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ASSESSMENT REPORT

describing

GEOLOGY, MINERALIZATION, SOIL GEOCHEMISTRY, ROCK GEOCHEMISTRY, GEOPHYSICAL SURVEYS, EXCAVATOR AND HAND TRENCHING, DIAMOND DRILLING, METALLURGICAL TESTING AND PRELIMINARY ECONOMICS

Field work conducted between June 21 and August 28, 2016

at the

KLAZA PROPERTY

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

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

prepared by

Archer, Cathro & Associates (1981) Limited

for

ROCKHAVEN RESOURCES LTD.

by

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and
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INTRODUCTION

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

The Property is owned by Rockhaven Resources Ltd. (Rockhaven). It comprised 1,317 mineral claims and covers an area of 25,410 hectares (254.1 km²). For the purpose of this report, the Property has been subdivided into six Work Areas in order to better describe historical exploration activities. Figure 2 shows the boundaries of the Work Areas, while Table 1 lists the claim groups within each Work Area.

Table 1: Work Area Claim Groups

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

On March 1, 2016, Rockhaven announced a preliminary economic analysis (PEA) for the KVS.

From June 21 to August 28, 2016, Rockhaven conducted soil geochemical sampling, an induced polarization geophysical survey, 1,200 m of excavator trenching, 60 m of hand trenching and 8,426.84 m of diamond drilling in 44 holes, on the KVS. Studies completed in 2016 on core from the KVS included ongoing metallurgical testwork. Results from the 2016 work program will be used in future to update mineral resource estimates and re-evaluate project economics.

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

LOCATION, CLAIM DATA AND ACCESS

The Property is located in southwestern Yukon at latitude 62°08′ north and longitude 137°17′ west on NTS 115I/3 and 115I/4 (Figure 1). It comprises 1,317 contiguous mineral claims, listed in Table 2. The claims are registered with the Whitehorse Mining Recorder in the names of Rockhaven or Archer Cathro, which holds them in trust for Rockhaven. A total of 132 claims

(Dic, Eagle, Etzel, VG, Vic, J. Bill, Jon-Wedge, Rat, Wedge, and Bull) are subject to a 1.5% Net Smelter Return (NSR) royalty payable to J. Dickson. The Desk claims are subject to two royalty agreements, each entailing a 1% NSR royalty on precious metals (total 2%) and 1/2% NSR royalty on other metals (total 1%), which are payable to R. Hulstein and the estate of R. Stroshein. The other 1,179 claims are not subject to any underlying royalties. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figures 3A and 3B.

Table 2: Claim Data

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

	76-78 (1)	YC19430-YC19432	December 1, 2040
Wedge	11-14 (1)	YA82177-YA82180	December 1, 2029
Dade	1-16	YD07685-YD07700	March 23, 2027
	17-54	YD108507-YD108544	March 23, 2024
	77-90	YD108567-YD108580	March 23, 2020
	91-96	YC97716-YC97721	March 23, 2025
	97-106	YD07248-YD07257	March 23, 2021
Krast	1-32	YD74101-YD74070	January 11, 2020
Queen	1-121	YE60731-YE60851	April 24, 2020
Val	1-9	YC25903-YC25911	February 24, 2026
	10-15	YE85801-YE85806	February 24, 2026
Nor	1-74	YE60651-YE60724	April 24, 2020
Bull	1-2 (1)	YA81420-YA81421	December 1, 2036
	12 (1)	YA86291	February 29, 2028
	14 (1)	YA86293	February 29, 2028
	16-20 (1)	YA86295-YA86299	February 28, 2027
	21-28 (1)	YA86300-YA86307	February 28, 2022
D	1-2	YB57373-YB57374	January 20, 2022
	3-4	YB57375-YB57376	January 20, 2030
Desk	1-6 (2)	YC47461-YC47466	March 23, 2020
J. Bill	1-2 (1)	YA78049-YA78050	February 28, 2022
	3-4 (1)	YA78051-YA78052	February 28, 2023
	5-12 (1)	YA78053-YA78060	February 28, 2022
	13 (1)	YA78061	February 2, 2030
	14 (1)	YA78062	February 2, 2034
	15-16 (1)	YA78063-YA78064	February 2, 2030
	17-24	YA78065-YA8072	February 28, 2022
	25-28	YA78073-YA8076	February 28, 2022
	29-30 (1)	YA78077-YA78078	February 28, 2030
	31-32 (1)	YA78079-YA78080	February 28, 2034
JBF	6	YB36958	December 1, 2028
	10	YB54543	December 5, 2029
Jon-Wedge	1 (1)	YB35895	December 1, 2030
	2 (1)	YB35896	December 1, 2028
	3 (1)	YB35897	December 1, 2020
	4 (1)	YB35898	December 1, 2021
	5-6 (1)	YB35899-YB35900	December 1, 2020
Ox	1-20 (1)	YA86386-YA86405	December 20, 2020
Rat	1-8 (1)	YA81428-YA81435	February 28, 2022
	9-24 (1)	YA81436-YA81451	February 28, 2023
	25-40 (1)	YA81452-YA81467	February 28, 2022
Sked	1-30	YD07655-YA07684	March 23, 2022
	31-36	YC99722-YC99727	March 23, 2022

Notes: (1) Dickson Royalty 1.5% NSR on all production.
(2) R. Hulstein and R. Stroshein Estate each have 1% NSR on precious metals and 0.5% NSR on non-precious metals.
*Expiry dates include 2016 work which has been filed for assessment credit but not yet accepted.

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

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

The 2016 exploration program was conducted from a tent frame camp located within the KVS. All of the main areas of exploration interest on the Property can be reached by a network of four-wheel drive roads and trails that connect to the Nansen Road (Figure 4).

HISTORY

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

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

From 1964 to 1966 Peso Silver Mines Ltd. (Peso) owned Mount Nansen Mines Ltd. (Mount Nansen Mines) and explored the Webber and Huestis Veins with 2,107 m of underground development and 2,226 m of diamond drilling. In 1968, Canadawide Investments Ltd. (Swiss financing) acquired control of Mount Nansen Mines and, from September 1968 to April 1969, it completed 976 m of drifting on the Huestis Vein and operated a 163 t/day mill. Production during this period totalled 85,133 g gold, 2,625 g silver and 49,207 kg lead. Peso reopened the mine in 1975 and, during 1976, it mined 7,451 t of rock and milled 5,844 t of ore grading about 10.3 g/t gold, 240.1 g/t silver, 1.0% lead and 1.0% zinc. In 1979, Peso changed its name to Rex Silver Mines Ltd. and, in 1980, it transferred the Mount Nansen property to Schweizerische Gesellschaft. In 1981, Nansen Mining Corporation (Nansen Mining) acquired the property. Nansen Mining conducted a feasibility study in 1983, before selling the property to BYG Natural Resources Inc. (BYG) in 1984 (YGS Minfile 115I 065). BYG optioned the property to Chevron Minerals Ltd. (Chevron) in late 1985 and, from 1986 to 1988, Chevron conducted a multi-facet

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

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

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

Between 1899 and 2014, several operators explored on various claim groups that now lie within one or more of the Work Areas on the Property. Although strong geochemical and geophysical anomalies were identified by this work, follow-up trenching and drilling produced sporadic results, in part because of physical and technological limitations. The following tables (organized by Work Area) summarize historical exploration and list the year of work, report reference, owner/operator, claim group name, work performed and highlight results for each exploration program.

Table 3: Work Area 1 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1969 (Cathro and Culbert, 1969)	Dawson Range Joint Venture	BBB area	Regional exploration including geochemical sampling.	A stream sediment sample returned 10 ppm Cu and 51 ppm Pb.
1974 (Cathro, 1974)	Klotassin Joint Venture	BBB area	Prospecting and mapping.	n/a
1975 (Cathro and Culbert, 1976)	Klotassin Joint Venture	BBB area	Soil and stream sampling	Highest samples ran at 114 ppm Cu, 48 ppm Pb, and 155 ppm Zn.
1980 (Archer and Onasick, 1980)	NAT Joint Venture	BBB area	Reanalysis of over 5,000 geochem samples	Most anomalous samples graded 110-500 ppb Au.
1985	Geological Survey of Canada	BBB area	Stream and water sampling	n/a
1986	Chevron	Toast	Toast claims	n/a

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

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

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

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

In 1980, the NAT Joint Venture (NAT JV), which comprised Chevron Canada Limited and Armco Mineral Exploration Ltd., explored the Dawson Range. Part of the NAT JV program involved reanalyses of over 5,000 previously collected geochemical sample splits for gold, silver, arsenic and lead. A total of 21 soil samples and 37 stream sediment samples were reanalyzed from the area of the BBB claims. Three stream sediment samples from one drainage returned between 110 to 150 ppb gold while samples from two other, nearby drainages yielded 500 ppb and 100 ppb gold (Archer and Onasick, 1980).

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

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

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

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

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

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

In 2011, Wolverine conducted geochemical sampling, prospecting and geophysical surveys on the BBB claims. Rock samples generally returned low values for gold, arsenic, silver and copper. One rock yielded an elevated value for silver (63.5 ppm). A total of 1,846 soil samples and 52 sieve silt samples were collected in 2011. Peak values from soil sampling were 836 ppb gold, 82 ppm arsenic, 32.9 ppm silver and 186 ppm copper (Smith, 2012). Sieve silt samples returned up to 424.6 ppb gold. A 396-line kilometre helicopter-borne magnetic and radiometric survey was completed by New-Sense Geophysics Ltd. over most of Work Area 1. First vertical derivative evaluation of the magnetic data delineated a number of northwest-trending lows, several of which show good correlation with weakly to strongly anomalous gold-in-soil values (Smith, 2012).

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

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

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

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

Table 4: Work Area 2 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1937 (none)	K. Paulson	n/a	Prospecting.	Rumour of high-grade silver-lead float (Eaton, 1986).
1948	G. Dickson	n/a	Bulldozer trenching.	n/a (Eaton, 1986).
1967 (none)	J. Smith	May	Soil sampling and bulldozer trenching.	Anomalous silver and lead soil geochemistry, but no vein was intersected by trenching (Campbell and Guardia, 1969).
1968 (Parker, 1968)	Esansee Explorations Ltd.	May	Geochemical and geophysical surveys and bulldozer trenching.	Peak soil values were 8,200 ppm lead, 125 ppm silver and 800 ppm arsenic. Specimen samples of "fissure" vein cut in a bulldozer trench returned peak values of 34.3 g/t gold, 2,057.1 g/t silver, 44% lead and less than 1% zinc.
1969 (Campbell and Guardia, 1969)	Esansee Explorations Ltd.	May	Bulldozer trenching and road building.	A chip sample returned 15.09 g/t gold and 483 g/t silver over 1.83 m. A 14 km road (considered an extension of the Mount Nansen Mine road) was built from the Mount Nansen Mine campsite to the May claims.
1971 (McClintock, 1986)	Cyprus Mines Corporation	Wedge	Mapping, geochemical sampling, geophysical survey, trenching, 6 diamond drill	Drill logs were submitted to the Yukon Government, but were not discussed. No other results available.

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

1986)				
1986 (McClintock, 1986)	Pearl Resources Ltd.	Wedge	222 soil geochemical samples.	Identified several NW trending soil anomalies (Au, Ag, Pb, and Zn).
1986 (Eaton, 1986)	Chevron Minerals Ltd.	Tawa	Mapping, prospecting, bulldozer trenching and an electromagnetic survey.	Deepening historical trenches returned 5.28 g/t gold and 132.0 g/t silver over 2 m. Geophysical and geochemical anomalies extended to 1,900 and 2,000 m, respectively.
1986 (McClintock, 1986)	Pearl Resources Ltd.	Etzel	Geological mapping and geochemical sampling	Geochemical sampling returning gold-in-soil values up to 310 ppb and silver-in-soil values up to 54.5 ppm. The best chip sample returned 0.99 g/t gold over 1 m.
1987 (Eaton and Walls, 1987)	Chevron Minerals Ltd.	Tawa	Road building, bulldozer trenching and claim staking.	Trench T-11 at the Klaza Zone returned 4.22 g/t gold and 47.3 g/t silver over 8.0 m including 4.27 g/t gold and 86.7 g/t silver over 1.0 m. Trenching at the BRX Zone intersected 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14) and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16).
1988 (Eaton and Walls, 1988)	Chevron Minerals Ltd.	Tawa	Excavator trenching (1924 m) and six diamond drill	Trenching exposed a vein in T-22 that returned 16.3 g/t gold and

			holes (377 m).	1,289 g/t silver over 1.7 m. A drill hole testing the down-dip continuity of this interval returned 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6).
1988 (Sutherland, 1988)	Chesbar Resources Inc.	Dic	Stream sediment sampling, prospecting and trenching.	Silt sampling returned values up to 1,050 ppb gold, while 75% of values were less than 10 ppb gold. Prospecting yielded a peak value of 220 ppb gold. Historical trenches (7.8 km) were deepened, but hindered by frozen ground.
1989 (Eaton, 1989)	BYG Natural Resources Inc. and Chevron Minerals Ltd.	Tawa	Road construction and excavator trenching (580 m).	n/a
1992 (Langdon, 1992)	Aurchem Exploration Ltd.	Wedge	RC drilling.	RC drilling confirmed anomalies identified by geophysics, trenching, and soil geochemistry. Some samples returned Cu-Mo anomalies, with minor Au and Ag.
1996 (Dujakovic et al., 1996)	BYG Natural Resources Inc.	Tawa, KR and Dic	Very low frequency electromagnetic, magnetic (VLF-EM) and geochemical surveys.	Northwesterly trending VLF-EM and magnetic anomalies and soil geochemical values up to 1,825 ppb gold and 1,049 ppm copper.

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

				ppm lead and 349 ppm arsenic.
2011 (Tarswell and Turner, 2012)	Rockhaven Resources Ltd.	Klaza	Geophysical surveying, diamond and reverse circulation drilling, excavator trenching, soil geochemical sampling, and air photo surveys.	Best drill intercept returned 5.43 g/t gold and 50 g/t silver over 14.80 m. Peak soil geochemical values were 320 ppb gold, 61.3 ppm silver, 606 ppm lead and 213 ppm arsenic.
2011 (Great Bear Resource, 2012a)	Great Bear Resources Ltd.	Etzel	Diamond drilling, excavator trenching, and soil geochemical sampling.	Best drill intercept returned 0.58 g/t gold and 2.4 g/t silver over 40.65 m.
2012 (Great Bear Resource, 2012b)	Great Bear Resources Ltd.	Etzel	Diamond drilling and soil geochemical sampling.	Best drill intercept returned 2.30 g/t gold and 7.0 g/t silver over 1.16 m.
2012	Rockhaven Resources Ltd.	Dic and Eagle	Purchased Dic and Eagle claims from J. Dickson	n/a
2012 (Tarswell and Turner, 2013)	Rockhaven Resources Ltd.	Klaza, Dic and Eagle	Diamond drilling, excavator trenching, and soil geochemical sampling.	Best drill intercept returned 5.78 g/t gold and 111 g/t silver over 15.62 m. Peak soil geochemical values were 920 ppb gold, 20.9 ppm silver, 722 ppm lead and 1,750 ppm arsenic.
2012	Rockhaven Resources Ltd.	Etzel	Purchased Etzel claims from Ansell Capital Corp.	n/a
2012	Rockhaven Resources Ltd.	Vic, VG, J. Bill#, D, Bull, JBF and Jon-Wedge	Purchased claims from Aurchem Exploration Ltd.	n/a
2013 (Tarswell and Turner, 2014)	Rockhaven Resources Ltd.	Klaza	Excavator trenching	Best trench result was 5.61 g/t gold and 300 g/t silver over 18.79 m

2014 (Dumala, Tarswell and Turner, 2015)	Rockhaven Resources Ltd.	Klaza	Geophysical surveys, excavator trenching, diamond drilling, and metallurgical testing	Best drill intercept returned 16.29 g/t gold and 1,435 g/t silver over 1.37 m.
2015 (Tarswell, Walsh and Cruz, 2016)	Rockhaven Resources Ltd.	Klaza	Soil geochemical sampling, geophysical surveys, excavator trenching, diamond drilling, metallurgical testing and mineral resource estimation	Best drill intercept returned 9.46 g/t gold and 84.9 g/t silver over 6.09 m.

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

In 1968, Esansee Explorations Limited (Esansee) completed geophysical and geochemical surveys on approximately 5,000 m of grid lines over some of the veins that now comprise the KVS. An electromagnetic (EM) survey identified three conductive zones (two major and one minor). Bulldozer trenching across one of these zones reportedly cut a 6 m wide gold-silver-lead bearing fissure vein, which was traced for 760 m. Specimen samples from this vein reportedly returned up to 34.3 g/t gold, 2,057 g/t silver and 44% lead, with less than 1% zinc. Three hundred and fifteen grid soil samples were collected. Soil sample results included peak values of 8,200 ppm lead, 125 ppm silver and 800 ppm arsenic, and showed strong positive correlation with conductive zones (Parker, 1968).

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

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

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

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

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

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

In 1985, Kerr Addison Mines Limited (Kerr Addison) staked the Dic 1-50 claims to cover an arsenic and antimony stream sediment anomaly on the north side of Mount Nansen, south-southwest of the Tawa claims. Kerr Addison also acquired the Vic and VG claims from G. Dickson. Kerr Addison performed geological, geochemical and geophysical surveys on the Dic

claims. A total of 216 soil and 45 rock samples were collected for analysis and 4.0 line kilometres of magnetic and 2.8 line kilometres of VLF-EM surveys were conducted. The best rock sample returned 0.48 g/t gold, 88 g/t silver, 1,600 ppm arsenic and 180 ppm antimony, while soil values peaked at 400 ppb gold, 27 ppm silver, 2,000 ppm arsenic, and 46 ppm antimony (Heberlein, 1985).

In 1986, Pearl Resources performed geological mapping and geochemical sampling on the Etzel claims. Results from soil samples collected on three separate grids identified linear, northwesterly trending anomalies with maximum values of 310 ppb gold, 54.5 ppm silver, 1,980 ppm lead and 1,160 ppm zinc. A chip sample across a 1.0 m sheared vein zone returned 0.99 g/t gold (McClintock, 1986).

In 1986, Chevron Minerals Ltd. (Chevron) optioned the Tawa claims from BRX. Chevron performed geological mapping, prospecting, grid soil geochemical sampling and EM surveys before staking additional claims to cover projections of anomalous trends. A 43.2-line kilometre EM survey was conducted and the strike lengths of known EM conductors were extended to 1,900 m. Soil sampling outlined numerous northwesterly trending clusters of anomalous gold values that ranged to a maximum of 6,258 ppb. Individual clusters are continuous for lengths up to 2,000 m. Almost 5,000 m of pre-stripping were done using a bulldozer because permafrost hindered trenching in frozen soil (Eaton, 1986). Where previously stripped trenches were deepened to bedrock, chip samples returned numerous high values including: 5.55 g/t gold and 31.2 g/t silver over 1.4 m (T-4); 3.5 g/t gold and 15.1 g/t silver over 4 m (T-4); and, 5.28 g/t gold and 132.0 g/t silver over 2 m (T-4). Trenching on virgin ground was less successful due to permafrost; however, two significant bedrock intercepts were exposed: 5.28 g/t gold and 242.4 g/t silver over 2.5 m (T-6/7) and 2.33 g/t gold and 3.77 g/t silver over 5.0 m (T-8).

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

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

In 1987, Chevron continued its exploration at the Tawa claims with pre-stripping, bulldozer trenching, road construction and claim staking. The pre-stripping and trenching program comprised 28 trenches totalling 6,385 m, of which 12 trenches totalling 1,939 m were wholly or partially excavated to bedrock. Continuous chip samples collected over 1 to 5 m intervals from trench ribs returned positive results from the Klaza and BRX zones (Eaton and Walls, 1987). The most significant result from the Klaza Zone was 4.22 g/t gold and 47.3 g/t silver over 8.0 m (T-11). The best results from the BRX Zone were 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14), and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16). Parallel vein structures were identified north and south of the two main zones. The best result from a new structure was 6.82 g/t gold and 17.1 g/t silver over 1 m (T-15). A 1.7 km four-by-four trail was constructed from the Nansen Road to the trenching area on the Tawa claims.

In 1988, Chevron sub-optioned the Tawa claims to BYG, under an agreement that allowed BYG to earn an interest in the claims by funding the next phase of exploration, which consisted of road building, pre-stripping, excavator trenching and six diamond drill holes (377 m). All of the drilling in 1988 was done at the BRX Zone, while the trenching was split between the BRX and Klaza zones (Eaton and Walls, 1988). Results from trenching better defined the known veins and identified a third vein (BYG Zone) approximately half-way between them. The best assay from the BRX Zone was 16.3 g/t gold and 1,289.1 g/t silver over 1.7 m (T-22). The Klaza Zone was delineated over a strike length of 250 m, with the best trench exposures grading 43.06 g/t gold and 102 g/t silver over 1.1 m and 4.22 g/t gold and 92 g/t silver over 8.0 m. One trench tested the BYG Zone and it cut three veins about 40 m apart. One of these veins returned 6.03 g/t gold and 24.0 g/t silver over 3.3 m (T-25). Drilling intersected numerous veins that were variably mineralized. The best drill result was 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6), which is down-dip of the vein exposed in T-22 (16.3 g/t gold and 1289.1 g/t silver over 1.7 m).

In 1988, Chesbar conducted stream sediment sampling, prospecting and excavator trenching on the Dic claims. Forty-four silt samples were collected at 100 m intervals along subparallel drainages. Gold values from this sampling were generally less than 10 ppb, but anomalous values up to 1,050 ppb were reported. Rock geochemical values were background to weakly elevated, with a peak of 220 ppb gold. Although 7.8 km of trenches were pre-stripped, unseasonably high precipitation resulted in less than 20 cm of overburden being removed from each of them (Sutherland, 1988).

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

In 1992, Aurchem Exploration Ltd. (Aurchem) carried out 3,384.8 m of reverse circulation drilling in 32 holes on its Wedge claims, some of which are now part of Work Area 2 (Langdon, 1992). Drill assays returned sub-economic but geochemically anomalous copper and molybdenum values in all 32 holes (Langdon, 1992). Gold and silver were present in very low amounts in some of the holes.

In 1996, BYG conducted geochemical sampling, and VLF-EM and magnetic surveys on the Tawa claims and KR claims located to the west. The magnetic survey identified northwest-trending linear magnetic highs and lows, which merge to the east into a large magnetic high. The magnetic lows appear to be related to geological structures or contacts (Dujakovic et al., 1996). The VLF-EM survey delineated three major structures offset by north-striking faults. In general, the VLF-EM highs and magnetic lows coincide. Four soil grids were sampled, with the strongest coincident gold and copper values along the eastern side of the Tawa claims, where peak values were 1,825 ppb gold and 1,049 ppm copper.

In 1998, BYG performed an exploration program at the Tawa claims, which included stripping of overburden from the surface traces of VLF-EM and magnetic anomalies, and three diamond drill holes (307.8 m). Two holes (TA-98-7 and 98-8) targeted the Klaza Zone, while the third hole (TA-98-9) tested the BYG Zone. Hole TA-98-7 intersected a weakly altered porphyry dyke with widespread potassic alteration that graded up to 0.9 g/t gold. Hole TA-98-8 intersected an altered porphyry dyke with high-grade gold-silver veins in its footwall. Samples of vein, dyke and breccia averaged 3.82 g/t gold and 84.7 g/t silver over 5.05 m, including a vein that returned 17.1 g/t gold and 159.2 g/t silver over 1.05 m (Stroshein, 1999). Hole TA-98-9 intersected a quartz-sulphide stockwork that averaged 0.24 g/t gold and 1.3 g/t silver over 55.75 m. Subsequent to the 1998 drill program, BYG filed for bankruptcy and all of its claims went into receivership.

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

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

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

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

In 2006, Bannockburn performed line cutting and IP surveying on the Klaza claims. A 1,450 by 1,800 m area was surveyed, which encompasses most of the KVS. Two large chargeability highs, with coincident resistivity lows, were identified in the eastern part of the survey area and remain open to the east. Narrow, linear chargeability anomalies in the western part of the survey area correspond with some of the known vein zones (Wengzynowski, 2006).

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

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

In 2009, Rockhaven purchased the Klaza claims from ATAC.

In 2010, Rockhaven staked additional claims and performed approximately 8,000 m of excavator trenching in 21 trenches, 1,642.08 m of diamond drilling in 11 holes, 326 line kilometres of helicopter-borne geophysical surveys and soil sampling (289 samples) (Turner and Tarswell, 2011). Highlight drill intervals included 32.52 g/t gold and 34.3 g/t silver over 3.36 m (KL-10-06) and 3.23 g/t gold and 117.7 g/t silver over 36.50 m (KL-10-07).

In 2011, Rockhaven performed 14,068.45 m of diamond drilling in 52 holes, 2,940 m of reverse circulation percussion drilling in 21 holes, 4,050 m of excavator trenching in 12 trenches, soil geochemical sampling (2,798 samples), petrographic studies and road building on the Klaza claims (Tarswell and Turner, 2012). Highlights from the diamond drilling included: 11.25 g/t gold and 72 g/t silver over 3.94 m (KL-11-17) and 4.24 g/t gold and 15 g/t silver over 10.46 m (KL-11-15).

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

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

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

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

In 2012, Rockhaven conducted an exploration program involving 21,719.47 m of diamond drilling, 3,964 m of excavator trenching, and soil geochemical sampling (Tarswell and Turner, 2013). Highlight drill results included 11.90 g/t gold and 5.23 g/t silver over 6.70 m (KL-12-133) and 5.78 g/t gold and 111 g/t silver over 15.62 m (KL-12-96).

In 2013, Rockhaven completed 5,000 m of excavator trenching in 38 trenches. Highlights from these trenches included 5.61 g/t gold and 300 g/t silver over 18.79 m in TR-13-51 and 16.20 g/t gold and 158 g/t silver over 6.84 m in TR-13-52.

In 2014, Rockhaven performed 880 m of excavator trenching in five trenches and 19,242 m of diamond drilling in 104 holes. Highlights from the 2014 trenches included 5.83 g/t gold and 390 g/t silver over 1.3 m in TR-14-13 and 1.13 g/t gold and 12.22 g/t silver over 5.9 m in TR-14-79. A total of 6,199 samples were collected from drill core in 2014. Highlights from the 2014 diamond drilling included KL-14-238, which intersected multiple veins within an 18.5 m interval that averaged 2.19 g/t gold and 120 g/t silver. The best of the veins in that interval graded 16.29 g/t gold and 1435 g/t silver over 1.37 m from the Central BRX Zone.

In January 2015, Rockhaven announced its maiden inferred resource estimate for the KVS. This estimate totalled 7,040,000 tonnes containing 948,348 oz gold and 21,780,313 oz silver, and averaging 4.19 g/t gold and 96.23 g/t silver at a 1.5 g/t gold cut-off (Wengzynowski et al., 2015).

Between June and August 2015, Rockhaven completed 436 m of excavator trenching and 13,774 m of diamond drilling in 104 holes. The program also included the installation of five groundwater monitoring wells and one downhole thermistor cable to collect ground water data within the KVS. Oriented core drilling was also done to collect geotechnical information.

Metallurgical test work was carried out throughout 2015 and was conducted on three zone specific and one project-wide composite. This work was successful at developing a process flow sheet that yielded good overall recoveries for gold, silver lead and zinc.

In December 2015, Rockhaven announced an updated inferred resource estimate for some of the zones in the KVS. This new estimate includes both pit-constrained and underground resources and comprises a total Inferred Mineral Resource estimate of 9,421,000 tonnes grading 4.48 g/t gold, 89.02 g/t silver, 0.75% lead and 0.95% zinc, and contains 1,358,000 oz gold, 26,962,000 oz silver, 155,417,000 lbs lead and 197,891,000 lbs zinc. Cut-off grades applied to the pit-constrained and underground resources are 1.3 g/t gold equivalent and 2.75 g/t gold equivalent, respectively (Ross, 2016).

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

Table 5: Work Area 3 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1987 (Hulstein, 1988)	G. Dickson	Nulee, JS, Moon, and Robert	Mapping, trenching, and geochemical sampling.	The Bear Zone returned anomalous soil geochemistry. The source of Montgomery Creek Zone anomalous float was untraceable.
1989 (Brent, 1991)	E. Curley	Grizzly	Four bulldozer trenches, hand trenching, and rock samples.	Trench intervals of 7.2 g/t Au over 3.5 m and 15.4 g/t Au over 1.5 m.
1990 (Brent, 1991)	E. Curley	Grizzly	Eight trenches, chip sampling, and mapping.	Located felsic dykes associated with the Grizzly Vein (now the V1 vein). A grab sample graded 42.5 g/t Au, 57.9 g/t Ag, >3% As, 185 ppm Cu, 28 ppm Mo, 979 ppm Pb, 91 ppm Sb, 34 ppm W, and 410 ppb Hg.
1994 (Pautler, 1994)	E. Curley, Teck Corporation	Grizzly	Trench mapping and rock sampling.	Trench chip samples graded at 3.52 g/t Au and 8.8 g/t Ag over 1.5 m.
2003 (Hulstein, 2003)	J. Dickson	JRW	Prospecting, chip samples, and soil sampling to explore V1.	Vein samples ran 1.24 g/t Au, 6,756 ppm As, 68.3 ppm Bi, and 51.2 ppm W over 2.2 m. Soil geochemistry revealed an anomaly containing 31.3 ppb Au, 53.1 ppm As, and 1.5 ppm Bi.
2009 (Smith, 2010)	Strategic Metals Ltd.	Dade	Staked the Dade 1-16 claims and ran a small soil geochemistry grid. Dade claims 17-96 were staked after assay results were returned.	Soil anomalies graded up to 113 ppb Au, while samples from trench floors ran 4,280 ppb Au.

2011 (Smith, 2011)	Wolverine Metals Ltd.	Dade	CanDig and excavator trenching, soil geochemistry, and geophysical surveys.	Trenching verified V1 and located V2 veining and stockwork.
2012 (Burrell, 2013a)	Strategic Metals Ltd.	Dade	23 diamond drill holes totalling 2043.39 m and 24 RC drill holes totalling 1426.47 m.	Diamond holes did not intersect quartz veining, but found some results in alteration zones such as 2.45 g/t Au over 1.37 m. RC drilling had few significant intervals, including 5.32 g/t Au over 1.53 m.

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

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

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

In 1990, eight more bulldozer trenches totalling 1,900 m^3 were excavated. Mapping identified a felsic porphyry dyke and a silicified rhyolite dyke, which are associated with an altered and brecciated quartz-sulphide vein that is likely the Grizzly Vein. The vein was described as white quartz with patchy arsenopyrite, honeycombed rusty cavities and stains of scorodite, limonite and manganese oxides. A vein sample from one of the trenches returned 42.5 g/t gold, 57.9 g/t silver, > 3% arsenic, 185 ppm copper, 28 ppm molybdenum, 979 ppm lead, 91 ppm antimony, 34 ppm tungsten, and 410 ppb mercury (Brent, 1991).

In 1994, a two-day trench mapping and rock sampling program was conducted at the Grizzly Vein by Eugene Curley and Teck Corporation. Sampling was done in two trenches located nine

metres apart on a side hill. A chip sample from the upper trench returned 0.7 g/t gold with no reported silver over 1.5 m, while a chip sample from the lower trench returned 3.52 g/t gold and 8.8 g/t silver over 1.5 m (Pautler, 1994). Where exposed in these trenches, the Grizzly Vein reportedly strikes 025°and dips 55° west. Gold appears to be concentrated within the brecciated, pyrite-rich footwall side of the vein. Despite the encouraging results, the claims were allowed to lapse following this work.

In 2002, J. Dickson staked the JRW 1-4 claims to cover the Grizzly Vein, and conducted a work program consisting of prospecting, rock sampling from existing bulldozer trenches, and reconnaissance soil sampling. A sample of quartz vein situated adjacent to a porphyry dyke returned 1.64 g/t gold, > 1% arsenic, 97.9 ppm barium and > 200 ppm tungsten. A chip sample of white to milky white quartz with less than 0.5% pyrite, scorodite staining and limonitic fractures returned 1.24 g/t gold, 6,756 ppm arsenic, 68.3 ppm bismuth and 51.2 ppm tungsten across 2.2 m. Soil sampling 200 m northeast of the old trenching area identified an anomaly with values up to 31.3 ppb gold, 53.1 ppm arsenic and 1.5 ppm bismuth (Hulstein, 2003). Dickson's claims later expired after inactivity.

In 2009, Strategic staked the Dade 1-16 claims. In 2010, Strategic performed one day of soil sampling on its Dade claims. Samples were collected on a 100 x 100 m grid in the vicinity of the Grizzly Vein and at five metre intervals from the floors of old trenches. Results from this work were encouraging. Grid soil samples returned a few anomalous values up to 113 ppb gold, while trench floor soil samples yielded localized strong to very strong results up to 4,280 ppb gold (Smith, 2010). The Dade 17 to 96 claims were added in September 2010 after the results from the 2010 exploration program were known. Wolverine signed an option purchase agreement with Strategic in September 2010. Based on the potential for discovery of additional veins on the Dade claims, the Grizzly Vein was renamed the V1 vein (Smith, 2011).

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

In 2012, Wolverine performed 2,043.39 m of diamond drilling in 23 holes and 1,426.47 m of RC drilling in 24 holes. Most of the drilling was done beneath and directly along strike of veins exposed in the old trenches. The diamond holes intersected an extensive system of quartz-calcite veinlets, but assay results were disappointing, with a peak value of 2.45 g/t gold over 1.37 m. The best RC drill results (up to 5.32 g/t gold over 1.53 m) came from widely spaced step-out holes drilled 400 m west of the trenched area (Burrell, 2013a).

Table 6: Work Area 4 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1934 (none)	G. Dickson	Val	Staked the Billy claims (now called Val)	n/a
1958 (Robinson, 1959)	Asbestos Corporation Ltd.	Val	Optioned the Billy claims, mapping, trenching, packsack drilling.	Exposed a quartz-feldspar porphyry dyke; alteration with galena and pyrite.
1979	Rex Silver Mines Ltd. (formerly Peso Silver Mines Ltd.)	Val	Transferred the Val property to Schweizerische Geselleschaft.	n/a
1981	Mount Nansen Corporation	Val	Acquired the Val property.	n/a
1981	BYG Natural Resources	Val	Re-staked some of the Val area as DD claims.	n/a
1983	Mount Nansen Corporation	Val	Conducted a feasibility study.	n/a
1984	BYG Natural Resources	Val	Purchased the Val property.	n/a
1985	BYG Natural Resources	Val	Re-staked some Val claims as ONT claims; Chevron Minerals Ltd optioned some claims.	n/a
1986-1988	BYG Natural Resources	Val	Ran an exploration program including mapping, soil geochemistry, geophysical surveys, trenching and diamond drilling.	Identified a multi-element anomaly (Au, Ag, Zn, Sb, As, Cd, Bi, Cu, Mo) trending N-NW.
1986-88	Aurum Geological Consultants Inc./Graham	McDade	Ran an exploration program including mapping, soil	Discovered high grade float samples (up to 15.67 g/t gold) and conducted pre-

	Dickson		geochemistry and bulldozer trenching	stripping/bulldozer trenching
1988	Chevron Minerals Ltd.	Val	Dropped its options.	n/a
1995 (Carlyle, 1997)	E. Curley	Queen	Staked Ang claims 1-8. Prospecting and surface mapping.	Located quartz-feldspar porphyry dykes
1997 (Carlyle, 1997)	E. Curley	Queen	Staked Ang claims 9-20. Program included geochemical soil sampling followed by trenching.	Soil geochemistry and trench samples gave low Au values (138 ppb Au and 47 ppb Au, respectively)
2003	B. Trerice	Val	Staked the Val claims	n/a
2011	Rockhaven Resources Ltd.	Val	Signed an option agreement for the Val property.	n/a
2012	Rockhaven Resources Ltd.	Val	Carried out geochemical soil sampling.	n/a
2013	Rockhaven Resources Ltd.	Val	Ran a two trench program.	Collected 82 samples over 330 m of trenching, locating mineralized veins below soil anomalies. Trenches returned 3.09 g/t Au with 5.93 g/t Ag over 1.00 m and 1.91 g/t Au with 131 g/t Ag over 1.30 m
2015	Strategic Metals Ltd.	Queen	Staked the Queen claims.	n/a
2015	Rockhaven Resources Ltd.	Queen	Rockhaven acquired Queen claims from Strategic.	n/a
2015 (Tarswell, Walsh and Cruz, 2016)	Rockhaven Resources Ltd.	Queen	Soil geochemical sampling	The best soil sample returned 119 ppb gold

Val Claim Area

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

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

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

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

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

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

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

Queen Claim Area

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

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

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

In spring 2015, Strategic staked the Queen claims and later that year, Rockhaven acquired them from Strategic as part of a large property-swap transaction. Rockhaven collected 20 soil samples from the Queen claims, with the best sample returning 119 ppb gold.

Table 7: Work Area 5 – Exploration History

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

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

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

Table 8: Work Area 6 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1965	Mount Nansen Mines Ltd.	Bit	Staked Bit claims 1-6	n/a
1966	Mount Nansen Mines Ltd.	Bit	Mapping and geochemical sampling	n/a
1971	Area Exploration Company Ltd.	Bit, Rusk	Optioned the Bit claims and staked Rusk claim 1-39.	n/a
1972	Area Exploration Company Ltd.	Rusk	Grid soil sampling	n/a
1973	Area Exploration Company Ltd.	Rusk	Drilled one diamond drill hole.	n/a
1976	G. Dickson	LD, Swiss	Restaked as LD cl 1-14	n/a
1979	G. Dickson	LD, Swiss	Restaked as Swiss cl 1-62	n/a
1980	G. Dickson	LD, Swiss	Trenching	n/a
1981	G. Dickson	LD, Swiss	Trenching	n/a
1983	G. Dickson	J. Bill	Restaked as J. Bill cl 1-32	n/a
1984	G. Dickson	Rat, Bull	Trenching, added Rat c1 1-24 and Bull cl 1-28	n/a
1987	E. Curley	Dows	Dows claims were staked. Hand trenching	n/a
1988	Noranda Exploration Company Ltd.	Dows	Optioned and expanded the Dows claims. Mapping, grid soil sampling, mechanized trenching, and geophysical surveys	Two best soil samples returned: 1,100 ppb gold, 2.0 ppm silver, 460 ppm arsenic and 1,100 ppb mercury; and, 490 ppb gold, 4.4 ppm silver, 1,100 ppm arsenic and 13,200 ppb mercury, respectively.
1989	Noranda	Dows	One diamond drill	Intersected a quartz

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

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

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

J. Bill Claim Area

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

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

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

In 1980 and 1981, G. Dickson conducted trenching.

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

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

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

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

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

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

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

Sked/Desk Claim Area

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

In early 1988, Noranda Exploration Company Ltd. (Noranda) optioned and expanded the Dows claims. That year, Noranda conducted mapping, grid soil sampling, mechanized trenching and geophysical surveys. Surface mapping was largely unsuccessful due to lack of bedrock exposures. A total of 673 soil samples, taken on a 25 x 100 m grid, identified a northeast-southwest trending anomaly that is strongly enriched in arsenic and mercury, with spotty gold and low silver values. The two best soil samples returned: 1,100 ppb gold, 2.0 ppm silver, 460 ppm arsenic and 1,100 ppb mercury; and, 490 ppb gold, 4.4 ppm silver, 1,100 ppm arsenic and 13,200 ppb mercury, respectively. A total of 39 rock and 134 chip samples were also collected during the 1988 program. The best specimen sample yielded 3.89 g/t gold and 6.9 g/t silver, while the trenching uncovered three zones of gold enrichment that ranged from four to thirty metres wide. Geophysical surveys on the Dows claims included a 43 line kilometre magnetometer survey, a 4.6 line kilometre VLF survey and a four line kilometre induced polarization survey. A broad magnetic low coincides with the high soil geochemical values, but these features are cut off to the north by a zone of low resistivity (Galambos, 1988).

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

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

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

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

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

In 1996, Conquest completed two diamond drill programs totalling 1,418 m in 11 holes. This drilling identified a wide zone of intense deformation, which hosts gold mineralization (Schmidt, 1996). Several anomalous intervals were intersected including: 5.51 g/t gold and 13.13 g/t silver over 2.61 m (DDH-96-2); 6.64 g/t with low silver over 5.90 m (DDH-96-6); and 0.34 g/t gold and 5.09 g/t silver over 11.10 m (DDH-96-8).

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

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

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

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

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

In July 2015, Rockhaven acquired the Desk and Sked claims via a property-swap transaction with Strategic.

GEOMORPHOLOGY

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

Elevations range from 1,200 to 1,800 m above sea level (asl), and tree-line is at about 1,450 m asl.

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

The Property has a continental climate with low levels of precipitation and a wide temperature range. Summers are normally pleasant with extended daylight hours whereas winters are long and cold. Although summers are relatively warm, snowfall can occur in any month at higher elevations. The Property is mostly snow free from late May to late September. According to Environment Canada, summer temperatures in the nearest community of Carmacks average 18 ºC during the day and 5 ºC at night. Winter temperatures average -12 ºC during the daytime. Total annual precipitation over the 1961 to 1990 period averaged 277 mm, with about 92 cm of snow (Environment Canada, 2015).

GEOLOGICAL SETTING

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

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

Regional stratigraphy in the area of the Property is summarized in Table 9. The basement rocks are mainly schists and gneisses, which include metaplutonic, metasedimentary and metavolcanic rocks (Simpson Range Suite and Snowcap and Finlayson Assemblages) (Ryan et al., 2016). Basement rocks are cut by weakly foliated plutonic rocks (Long Lake Suite) that were metamorphosed and uplifted in the Jurassic, along with the schists and gneisses. The youngest rocks are unfoliated and are represented by five plutonic/volcanic events that occurred in the Cretaceous and Tertiary (Whitehorse Suite, Mount Nansen volcanics, Prospector Mountain Suite, Carmacks volcanics and the newly identified, Casino Suite) (Sanchez et al., 2014). The Casino Suite is of particular significance, because it is associated with most of the epithermal vein and porphyry deposits in the Dawson Range Gold Belt. Intrusions related to the Casino Suite were emplaced from 72 to 79 Ma.

Table 9: Regional Lithologies

UPPER CRETACEOUS	
uKC	**uKC: CARMACKS** a volcanic succession dominated by basic volcanic strata (1), but including felsic volcanic rocks dominantly (?) at the base of the

succession (2) and locally, basal clastic strata (3) (70 ma approx):

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

LATE CRETACEOUS TO TERTIARY

LKgP

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

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

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

d. coarsely crystalline gabbro and diorite

f. quartz-feldspar porphyry

LKgC

LKC: CASINO SUITE
grey, fine to coarse-grained, massive, granitic rocks of intermediate (g) composition and related felsic dykes (f)

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

f. quartz-feldspar porphyry

MID-CRETACEOUS

mKN

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

mKdW

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

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

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

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

y. hornblende syenite, grading to granite or granodiorite

EARLY JURASSIC

EJgL

EJL: LONG LAKE SUITE
intermediate (g) to felsic (q) granitoid rocks:

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

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

LATE TRIASSIC

EJgL

LTrS: STIKINE SUITE
coarse-grained, foliated, gabbroic hornblende orthogneiss; coarse-grained hornblende-biotite grante and granodiorite with K-feldspar megacrysts; foliated, fine to medium-grained hornblende quartz diorite to diorite with minor biotite **(Tally Ho leucogabbro, Friday Creek diorite, King Lake granite)**:

UPPER DEVONIAN TO LOWER MISSISSIPPIAN

DMF

DMF: FINLAYSON
assemblage of mafic (1) to felsic (2) metavolcanic rocks of arc and back-arc affinities; carbonaceous pelite, metachert (3); minor quartzite, metavolcaniclastic rocks (4); marble (5); ultramafic rocks and metagabbro (6)

1. Medium to dark green intermediate to mafic volcanic and volcaniclastic rocks; fine-grained amphibolite and greenstone **(Little Kalzas, Ram Creek, Cleaver Lake, Tutchitua, Fire Lake fms; Big Salmon complex)** - DMFv
2. Felsic metavolcanic rocks, white quartz-muscovite schist, metaporphyry **(Kudz Ze Kayah, Wolverine, Waters Creek fms)** - DMFf
3. Dark grey to black carbonaceous metasedimentary rocks, metachert **(Nisana, Swift River, Grass Lakes, Wolverine fms)** - DMFbp
4. light green to grey, fine-grained siliciclastic and metavolcaniclastic rocks; arkosic grit and sandstone; chert and minor limestone **(Drury, Pelmac, Little Kalzas, Tutchitua fms; Big Salmon complex)** - DMFs
5. light grey to white marble, locally crinoidal **(Little Kalzas fm)** – DMFc
6. ultramafic rocks, serpentinite; metagabbro **(Fire Lake fm)** – DMFum

EARLY MISSISSIPPIAN

MgSR

MSR: SIMPSON RANGE SUITE
foliated granitoid of mainly granodiorite to tonalite composition (g), locally granite and augen granite (q), rare gabbro (gb)

g. Foliated to strongly foliated, fine to medium-grained, hornblende-bearing metagranodiorite, metadiorite and metatonalite

q. Foliated metagranite, quartz monzonite and granodiorite; augen granite

gb. Locally, metagabbro

NEOPROTEROZOIC AND PALEOZOIC

PDS

PDS: SNOWCAP
assemblage of dominantly metasiliciclastic rocks (1); minor marble (2), mafic metavolcanic rocks (3) and ultramafic rocks (4); intruded by Devonian-Mississippian calc-alkaline plutons of the Grass Lakes and Simpson Range suites; locally metamorphosed to blueschist and eclogite facies (5)

1. Polydeformed and metamorphosed quartzite, psammite, pelite and marble; minor greenstone and amphibolite **(Snowcap, Dorsey, part of Big Salmon complexes; North River fm)** – PDss
2. Light grey to buff weathering marble, generally lenticular and discontinuous - PDsc
3. Medium to coarse-grained amphibolite, commonly garnet-bearing; greenstone; minor marble **(Snowcap, Dorsey complexes)** – PDsv
4. ultramafic rocks, serpentinite; metagabbro; metapyroxenite **(Dorsey complex)** – PDsum
5. metasiliciclastic and mafic meta-igneous rocks locally metamorphosed to eclogite bluschist **(Quiet Lake, Faro-Ross River, Simpson Lake)** – PDse

PROPERTY GEOLOGY

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

The oldest exposed unit, comprised of Snowcap Assemblage schists, limestones and amphibolites, underlies a large region to the west of the Property. To the south and east of the Property, large bodies of orthogneiss belonging to the Simpson Range Suite surround younger Finlayson Assemblage metavolcanics. Paleozoic units are sporadically intruded by irregular bodies of Stikine Suite orthogneiss and granite.

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

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

A quartz-rich granite to quartz monzonite stock intrudes granodiorite in the southeastern corner of Work Area 2. This stock, known as the Mount Nansen Porphyry Complex, is thought to be the main heat source for hydrothermal cells responsible for mineralization on the Property. This pluton, along with feldspar porphyry dykes scattered throughout the Property, belong to the Casino Suite, which has been dated between Mount Nansen volcanics and Prospector Mountain Suite formation (S. Isreal, personal communication). Geochronological work indicates that porphyry dykes, which are spatially and genetically related to porphyry and vein mineralization on the Property, are Late Cretaceous (78.2-76.3 Ma) in age (Mortensen et al., 2016).

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

Two main fault trends, northwesterly and northeasterly, are present in the MNGC and are best documented where they are delineated by trenching and drilling at the KVS. The first set strikes northwesterly, dipping between 60° and 80° to the southwest. Although these faults lack strong topographic expression, they host mineralized veins, breccia zones and appear to control the distribution of porphyry dykes. The second set of faults strike northeasterly, almost perpendicular to the primary set, and dip sub-vertically. They form prominent topographic linears and offset mineralized zones in a number places, creating apparent left lateral displacements of up to 80 m in magnitude. The exact relationship between these structures and the mineralized northwesterly trending structures is still uncertain, but they appear to have been in part coeval and may have played an important role in ground preparation. A third set of structures are slightly oblique to the main mineralized faults, striking more westerly. They are less continuous and are considered to be Riedel shears. High-grade mineralization is sometimes localized at junctions between these shears and the northwesterly trending structures.

MINERALIZATION

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

Two porphyry centres have been identified in the northern part of the MNGC (Cyprus and Kelly zones) and are both related to the Mount Nansen Porphyry Complex. The larger and better defined porphyry centre, the Cyprus Zone, is partly covered by the claims in the southeastern corner of Work Area 2. It was explored in the late 1960s and early 1970s, with approximately 26 drill holes totalling 4,500 m. Average hypogene grades of 0.12% copper and 0.01% molybdenum were reported at depths exceeding 60 to 90 m below surface. Hypogene copper grades are approximately double those in the overlying leached cap. There is no significant supergene enrichment zone. Locally higher grade zones (0.6% copper and 0.06% molybdenum) and elevated precious metal values are associated with intense fracturing found in weakly potassic altered areas within the dominantly phyllic altered porphyry system. The potassic altered areas often feature tourmaline breccias, abundant quartz veining, and/or secondary biotite (Sawyer and Dickinson, 1976).

The western porphyry centre, the Kelly Zone, was explored as early as 1973. The Kelly Zone is defined by coincident geochemical and geophysical anomalies, including: 1) strongly elevated gold, copper and molybdenum soil geochemical values; 2) high chargeability values with moderate resistivity; and 3) a large area of low magnetic susceptibility observed in both ground and airborne surveys. The coincident anomalies cover a semicircular area approximately 2,500 m across. Trenching and diamond drilling done in 2012 by Rockhaven on the western edge of the Kelly Zone, discovered minor chalcopyrite, chalcocite and molybdenum, with rare bornite. The mineralization is hosted in several, 25 to 100 m wide bands of strongly phyllic altered and heavily quartz veined granodiorite, which are separated by barren porphyry dykes. The best interval in the 2012 drill hole averaged 0.20 % copper, 0.012 % molybdenum and 0.22 g/t gold over 25.99 m.

The majority of Rockhaven's exploration activities have been conducted in the KVS, which lies in the distal part of the local hydrothermal system where copper-deficient, precious metal rich veins predominate. Rockhaven has identified eleven main mineralized structural zones that are developed northwest of the porphyry targets. The structural zones collectively form a 3 km wide corridor that cuts northwesterly through Mid-Cretaceous granodiorite country rocks for a length of 4 km or more. Individual zones exhibit exceptional lateral and down-dip continuity, and all of them remain open for extension along strike and to depth. From south to north, the zones are named Rex, Chevron, Dickson, AEX, BRX, Pika, Stroshein, Herc, BYG, Klaza and Pearl. Rockhaven's exploration has focused mainly on the Klaza and BRX zones, which have been subdivided into the Western BRX, Central BRX, Eastern BRX, Western Klaza and Central Klaza

zones. The current mineral resource estimate contains mineralization from parts of these five sub-zones.

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

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

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

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

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

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

Mineralization within most structures is interpreted to be spatially and genetically related to porphyry dykes, which strike northwesterly and dip steeply to moderately toward the south. The dykes pinch and swell in three dimensions and are usually unmineralized. Movement on the

related faults likely post-dates emplacement of the dykes as they are occasionally cut by mineralized veins.

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

Other Areas of Vein Mineralization on the Property

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

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

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

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

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

Mineralization on the Sked/Desk claims (Work Area 6) occurs in three zones that range from four to thirty metres wide. These zones reportedly strike about 120° and dip between 60 and 65° to the southwest. The eastern extension of the mineralization may be truncated, or offset, by a small cross-fault, or could extend as a blind zone beneath Mount Nansen volcanic rocks. Quartz breccias and intense deformation have been reported in diamond drill holes. The best drill intercepts graded 10.2 g/t gold over 1.5 m and 6.64 g/t gold over 5.9 m. The Sked property also hosts a limestone formation that may have economic implication for tailings treatment should future development occur at the Klaza Deposit.

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

Mineralization Paragenesis in the KVS

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

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

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

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

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

Mineral assemblages and precious metal abundance associated with the four phases varies based on the spatial relationships of each zone to the primary heat source and the localized structural controls involved in vein emplacement. The following paragraphs describe the paragenetic features observed in the four sub-zones defining the mineral resource.

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

KL-14-156 114.20 m



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

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

KL-14-197 79.97 m

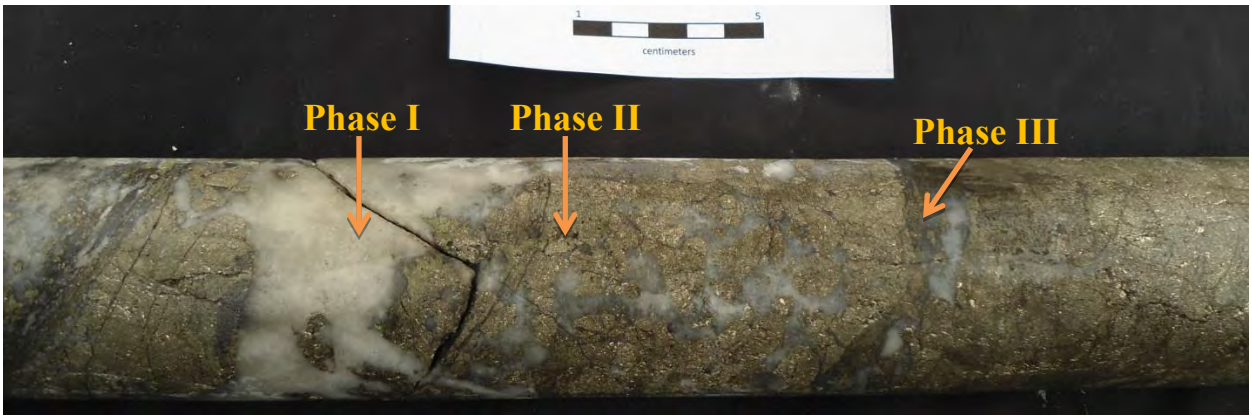


Plate 2: Central BRX Zone drill core highlighting Phases I through III. Quartz and pyrite generally dominate these veins.

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

KL-14-182 184.20 m



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

KL-14-178 96.50 m



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

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

KL-11-28 254.05 m



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

Alteration Facies in the KVS

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

Four significant alteration facies are observed in drill core and trench exposures. These phases are propylitic, argillic, phyllic and potassic alteration. The alteration facies and intensities vary, based principally on the spatial relationships of each zone with respect to the primary heat

source. Further controls on alteration include proximity to feldspar porphyry dykes, and presence of multiple phases of mineralization. Generally, propylitic alteration represents the most distal alteration facies, followed by weak argillic and advanced argillic alteration, then phyllic alteration and finally, the most proximal, potassic alteration. The following paragraphs describe the alteration facies observed in drill core from the KVS.

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

KL-14-228 144.00 m

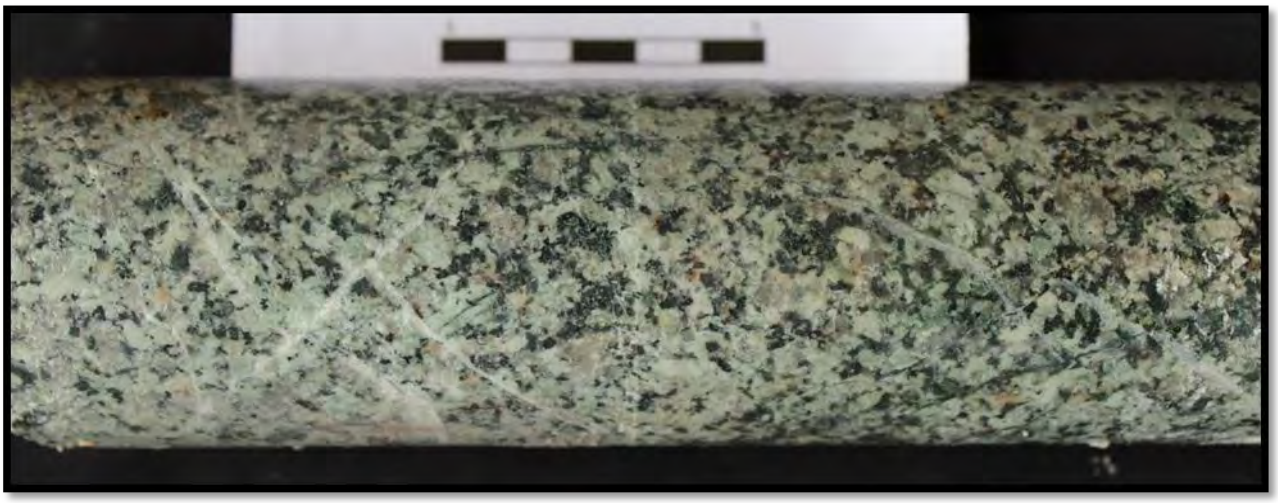


Plate 6: Moderate propylitic alteration.

KL-14-231 190.6 m



Plate 7: Strong propylitic alteration with weak potassic overprinting.

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

KL-14-138 138.86 – 141.76 m

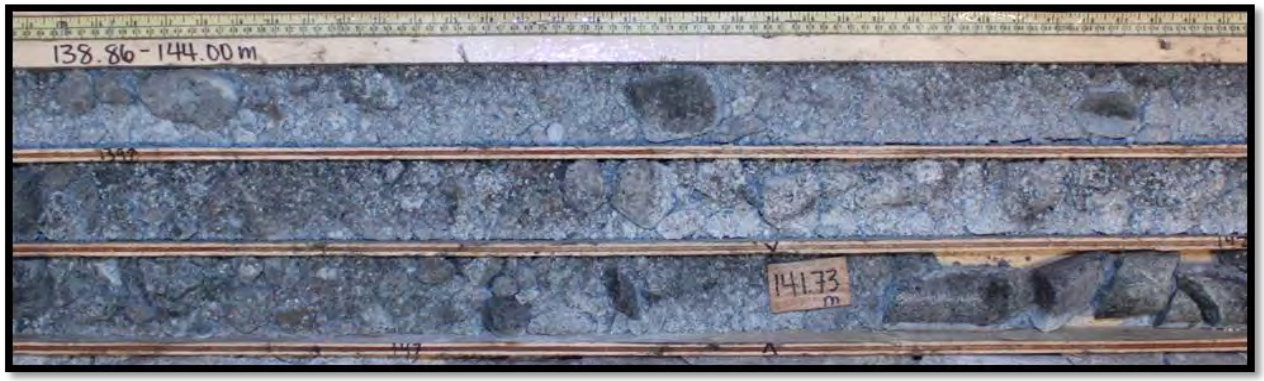


Plate 8: Highly friable montmorillonite alteration.

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

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

KL-14-220 182.30 m



Plate 9: Weak kaolinitic alteration.

Moderate kaolinitic alteration is noted where biotite, calcite and K-feldspar are destroyed, as the intensity of alteration increases. Pale green sericite becomes common; however, it is not pervasive. Hematite is common and chlorite, a relic of biotite alteration, may be present. Pyrite is generally absent or very weak.

KL-14-234 63.10 m



Plate 10: Moderate kaolinitic alteration.

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

KL-14-235 89.10 m

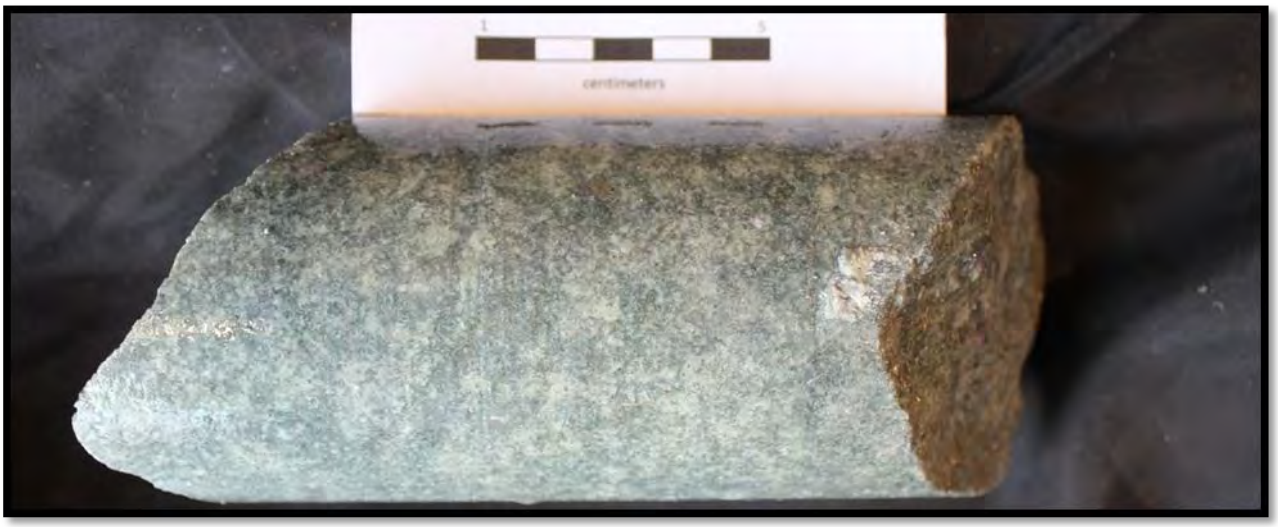


Plate 11: Strong kaolinitic alteration.

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

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

KL-14-229 310.70 m

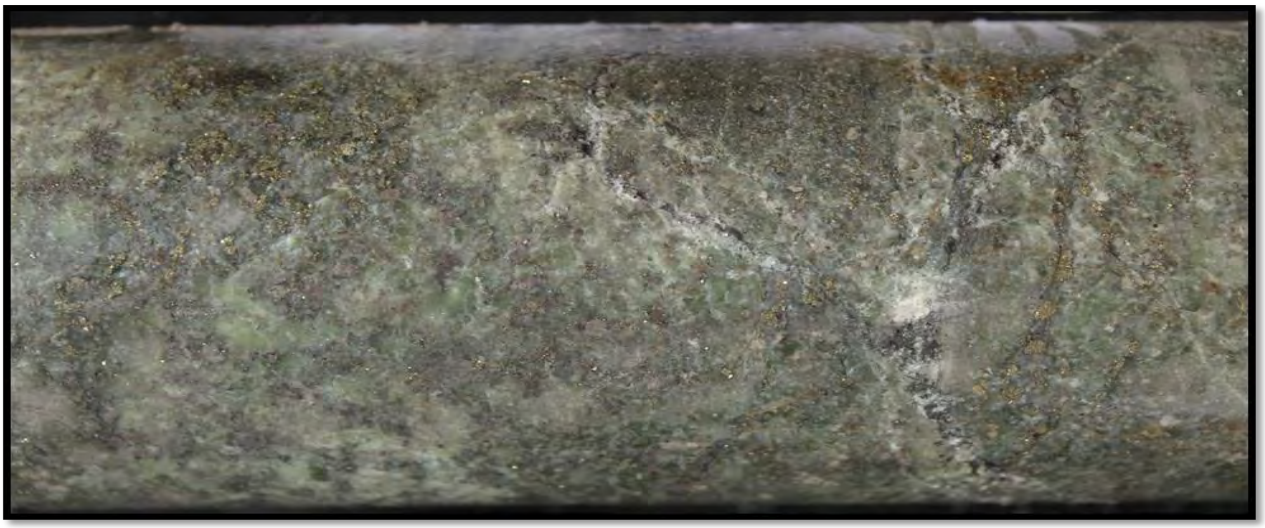


Plate 12: Strong phyllic alteration.

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

KL-14-220 182.30 m



Plate 13: Moderate potassic alteration with secondary biotite.

KL-14-231 191.55 m



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

Carbonate Gangue Facies in the KVS

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

Deposit Style Classification

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

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

Table 10: CBM Comparison with Klaza Vein System

Diagnostic Features of CBM Deposits	Diagnostic Features of KVS Mineralization
Mineralization hosted in veins and breccias	Mineralization hosted in veins and breccias
Large vertical extent of mineralization (> 1,000 m)	Large vertical extent of mineralization (520 m and open to depth)
Gold and silver generally well liberated (native or in electrum)	Gold and silver generally well liberated (native gold, electrum and silver in tetrahedrite)
Veins and breccias emplaced adjacent to mineralizing intrusive	Veins and breccias emplaced adjacent to mineralizing intrusive
Carbonate (dominant), quartz, pyrite, sphalerite and galena gangue	Quartz (dominant), carbonate, pyrite, sphalerite and galena gangue
Multiple mineralized structures with long strike lengths (> 700 m)	Multiple (eleven) mineralized structures with long strike lengths (>2,400 m)
Bonanza grade gold mineralization	Some bonanza grade intercepts

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

SOIL GEOCHEMISTRY

From 1966 to present, both reconnaissance and grid soil geochemical samples were collected at varying densities within Work Areas 1 to 6. Soil sample locations from the 2015 and 2016 programs were taken in Work Areas 2 and 6, and Work Areas 3 and 4, which are shown in Figures 9A and 9B, respectively, along with the locations of rock samples collected in 2016. The following descriptions focus on Work Area 2, which encompasses the most important mineralization found to date on the Property. Figures 10 to 13 thematically illustrate soil geochemical results for gold, arsenic, copper and lead, respectfully, across all six work areas. Sample Handling and Analytical Procedures are described in Appendix III.

Work Area 2

Historical samples were taken on baseline-controlled grids established using a hip-chain and compass. Baselines were marked with one metre high wooden lath and sample sites were marked with 0.5 m wooden lath; however, very few of these markers are currently standing and legible. Early soil sampling identified linear gold±silver±lead anomalies, which correspond to some of the known mineralized zones in the KVS, and a large (2,000 by 3,000 m) area of moderately to strongly anomalous copper-in-soil response, which partially defines the porphyry target at the Kelly Zone.

From 2010 to 2012, Rockhaven expanded grid sample coverage to the west and north of the earlier grids, and collected samples on a few contour-controlled lines in the northwestern part of Work Area 2. No soil sampling was done in 2014. In 2015, 609 samples were collected on grid lines east and northeast of the KVS. These samples were analyzed in 2016. During 2016 exploration, 68 grid soil samples were taken to the west and east of the KVS.

Effectiveness of soil sampling is often limited by thick layers of organic material, overburden, and in many areas, permafrost. Despite these limitations, soil sampling has been one of the most effective surface exploration techniques for identifying trenching or drilling targets.

Results for gold, silver, lead, arsenic and copper from historical programs as well as Rockhaven soil programs in and around the KVS are illustrated in Figures 14 to 18, respectively. Table 11 lists the anomalous thresholds and peak values obtained by Rockhaven's surveys, for these elements.

Table 11: Geochemical Data for Soil Samples

	Anomalous Thresholds			Peak Values
Element	**Weak**	**Moderate**	**Strong**	
Gold (ppb)	≥ 5 < 10	≥ 10 < 20	≥ 20	920
Silver (ppm)	≥ 0.5 < 1	≥ 1 < 2	≥ 2	61.3
Lead (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50	722
Copper (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100	1,870
Arsenic (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50	1,700

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

The structural corridor hosting the eleven known mineralized zones in the KVS is defined by linear trends of moderately to strongly anomalous values for gold, silver, lead and arsenic. Similar anomalies returned from the 2015 and 2016 soil sampling have been identified south and east of the structural corridor. No follow-up excavator trenching or diamond drilling has been completed on these new anomalies. Along strike to the northwest of the known mineralized zones, elevated soil values occur as isolated samples or in small clusters. The lack of continuity in these outlying anomalies may be due in part to more difficult sampling conditions resulting from lower elevations and increased overburden depths.

Work Areas 1, 3, 4, 5 and 6

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

A total of 20 soil samples were collected in Work Area 4 in 2015 on a small grid that covers the inferred southeastern extension of the Bear occurrence. These samples were analyzed in 2016.

A total of 68 soil samples were collected in Work Area 3 in 2016 on two grids near the Dade and Grizzly occurrences. Samples taken from undrilled areas of the Dade claims have returned values to a maximum of 166 ppb gold. Samples collected from soil near bedrock on trench floors

yielded values from background to 7,260 ppb gold. In 2016, a total of 186 contour soil samples were collected north of the Rusk occurrence in Work Area 6. These samples yielded values up to 147 ppb gold, 16 ppm silver and 1,900 ppm arsenic.

The results from the Sked/Desk claims include background to moderately anomalous gold, arsenic and sliver values to peaks of 1,100 ppb, 1,100 ppm and 4.4 ppm, respectfully.

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

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

ROCK GEOCHEMISTRY AND HAND TRENCHING

In 2016, Rockhaven collected 17 float samples from Work Areas 2, 3 and 6. These rock samples were collected during prospecting traverses. Float rock sample locations are shown in Figures 9A and 9B along with soil sample locations.

Six rock samples were taken to follow up anomalous results from 2015 soil geochemical sampling done east of the KVS within Work Area 2. Samples from two of the anomalous areas returned encouraging values up to 3.41 g/t gold, 537 g/t silver and 1.29% lead, and up to 4.09 g/t gold, 26.9 g/t silver and 4.07% copper. Rock samples taken from known veins at the Dade occurrence in Work Area 3 returned up to 1.22 g/t gold and 6.4 g/t silver. A total of eight samples were collected from historical trench workings at the Sked occurrence in Work Area 6. These rock samples were mostly limestone samples collected for the purpose of tailings treatment analysis. The best float sample returned 1,165 ppm arsenic, 244 ppm copper and 409 ppm zinc.

Hand trenching was also conducted in 2016 to the east of the KVS in Work Area 2 near the anomalous rock sample locations. Hand trench sample locations are shown in Figure 9A. A total of 13 chip and 4 float samples were collected from five hand trenches, which totalled approximately 60 m in length. Permafrost hampered trenching and bedrock was not reached in most of these trenches; and as a result, samples of float were taken. The best results came from HTR-16-03, which returned up to 10 g/t gold and 217 g/t silver from float samples.

Sample Handling and Analytical Procedures are described in Appendix III. Certificates of Analysis are found in Appendix IV.

GEOPHYSICAL SURVEYS

Work Area 2

To date, four types of geophysical surveys have been completed within Work Area 2: (1) SJ Geophysics Ltd. (SJ Geophysics) of Delta, British Columbia conducted two ground-based VLF-

EM and magnetic surveys on behalf of BYG Natural Resources in 1996 (Visser et al., 1996) and Rockhaven in 2014 and a Volterra 3D IP survey in 2016; (2) Aurora Geosciences Ltd. of Whitehorse, Yukon conducted a gradient array induced polarization survey on behalf of Bannockburn Resources in 2006 (Wengzynowski, 2006); (3) New-Sense Geophysics Ltd. (NSG) of Markham, Ontario conducted two high sensitivity helicopter-borne magnetic and gamma-ray spectrometric surveys for Rockhaven during the 2010 (Turner and Tarswell, 2011) and 2011 (Tarswell and Turner, 2012) field seasons; and (4) Ground Truth Exploration of Dawson City, Yukon conducted high resolution induced polarization surveys along two experimental lines in the Central Klaza and Central BRX zones for Rockhaven during the 2013 field season.

The **SJ Geophysics** VLF-EM and ground-based magnetic surveys were completed during two programs and covered a total of 330 line kilometres on a 4.5 by 8 km grid in the eastern and central parts of Work Area 2. The first survey was completed on behalf of BYG in 1996 and covered 250 line kilometres. In 2014, Rockhaven added another 80 line kilometres to the earlier survey. SJ Geophysics integrated and interpreted the data from both surveys and produced images relating to it. These surveys delineated numerous linear magnetic lows and VLF-EM conductors that coincide with known mineralized zones within the KVS. Northerly trending breaks in the VLF-EM conductors correspond to known or suspected cross-faults. Figure 19 shows the VLF-EM results overlain with the interpreted surface traces of the mineralized structural zones and their possible extensions along strike.

A Volterra-3D IP survey was completed by **SJ Geophysics** in 2016 to the east of the KVS. A total of 18.4 line kilometres were completed on a grid with seven survey lines spaced at 400 m. Survey stations along these lines were set up at 100 m intervals. The work was designed to better define the Kelly Zone, where porphyry-style mineralization had been inferred from a few widely-spaced drill holes, strong soil geochemistry and a broad magnetic low. Prior to 2016, only two trenches and one drill hole had tested the northern edge of this anomaly with the best result coming from hole KL-12-134, which averaged 0.15% copper, 0.14 g/t gold, 2.70 g/t silver and 0.010% molybdenum over 95.15 m. This survey identified a 2,400 metre by 2,200 metre sub-circular chargeability anomaly containing greater than 40 millisecond (ms) values, as shown in Figure 20. Within this anomaly there is a 1,700 metre by 800 metre core with greater than 50 ms values. North-trending resistivity lows (less than 100 ohm-m) coincide with the core of the chargeability anomaly, as shown in Figure 21.

The gradient array and pole-dipole IP survey conducted by **Aurora Geosciences** covered a 1,800 by 1,450 m area in the eastern and central parts of the KVS. Readings were collected at 25 m intervals along lines spaced 100 m apart. This survey identified two main anomalies, both of which feature elevated chargeability with coincident low resistivity.

The most prominent IP anomaly is located in the southeastern corner of area tested by Aurora and was the focus of the more expansive SJ Geophysics survey completed in 2016. It is only partially defined and currently comprises a 1,000 m diameter, semicircular area characterized by moderate chargeability and low resistivity. This anomaly coincides with an area of elevated gold-in-soil geochemistry (25 to 100 ppb) and strong copper geochemistry (>200 ppm) as well as weak porphyry-style mineralization and alteration that are part of the Kelly Zone.

The second IP anomaly includes three northwesterly trending linear, chargeability features of weak to moderate intensity. These chargeability features are 710 to 1,200 m long and are offset 30 to 190 m to the south from parallel resistivity lows. These linear features correspond with parts of the BRX, AEX and BYG zones. The Aurora survey did not cover the Klaza Zone.

The **NSG** surveys resulted in 326 line kilometres being flown on a grid that covered most of Work Area 2. Condor Consulting, Inc. of Lakewood, Colorado was retained to ensure quality control and produced a 3D model of the total field magnetics as well as various vertical derivatives. The first vertical derivative of the magnetic results overlain with the interpreted surface traces of the eleven structural zones is shown on Figure 22.

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

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

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

Work Areas 1, 3, 4, 5 and 6

Geophysical surveys of various types have been conducted on Work Areas 1, 3, 4, 5, and 6. The surveys and their results are summarized in: Smith, 2011; Smith, 2012; Galambos, 1988; McClintock, 1986; Heberlein and Lyons, 1986; and, Dujakovic and Visser, 1996. The most recent data are from helicopter-borne magnetic and radiometric surveys that were conducted over the BBB and Dade claims.

Magnetic data from the Dade claims has a strong northeasterly fabric, rather than the northwesterly orientation that characterizes the KVS. Although northwest-trending features are

less common, a linear with this orientation appears to mark a fault that truncates or offsets veining identified in trenches.

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

EXCAVATOR TRENCHING

Rockhaven performed 23,636 m of excavator trenching in 97 trenches between 2010 and 2016. Chip samples were taken along the west rib of each trench or where bedrock was the most stable. Where bedrock was not exposed, soil samples were typically collected along the floor of trenches and rock samples were taken if any mineralized float was observed. Sample Handling and Analytical Procedures are described in Appendix III, while Certificates of Analysis can be found in Appendix IV.

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

Table 12: 2010 to 2016 Excavator Trenching Summary

Year	Number of Trenches	Total Length (m)
2010	21	8,000
2011	12	4,050
2012	11	4,000
2013	38	5,000
2014	5	880
2015	2	436
2016	8	1,270
TOTAL	**97**	**23,636**

Work Area 2

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

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

occurred. Outside of the mineralized zones, trench exposures are dominated by blocky, weakly oxidized granodiorite.

The majority of Rockhaven's trench locations were selected on the basis of historical results. Where possible, trenches were excavated in areas that had previously been stripped of soil and vegetation. The trenches were aligned at about 030°, perpendicular to the trends of main veins and soil geochemical and geophysical anomalies. Figure 23 is a plan view map showing trench locations and float samples taken from trenching areas.

In 2016, four trenches totalling approximately 690 m were dug using a Hitachi 450 excavator, leased by Rockhaven from 15317 Yukon Ltd. of Whitehorse and operated by Archer Cathro personnel. Three trenches were dug to the southeast of the KVS to evaluate soil geochemical and geophysical anomalies. TR-16-84 encountered a quartz-carbonate vein zone and a gouge vein zone, which returned 3.88 g/t gold, 25.5 g/t silver over 3.5 m and 1.55 g/t gold over 3 m, respectively. A total of 152 samples were collected from the two trenches. The fourth trench was dug to the northwest of the Chevron Zone as a 70 m extension of TR-12-38B to re-evaluate the area. Heavy permafrost was encountered during stripping and work was stopped. No significant results were returned.

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

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

The **Klaza Zone** has been traced by closely spaced trenches for a strike length of 2,400 m, but is projected to another trenching area 1,300 m to the east, for a potential total strike length of 1,300 m. The zone is made up of numerous individual veins that range between 0.2 to 4.5 m wide.

Narrow, high-grade silver-gold enriched veins in the ***Western Klaza Zone*** are believed to represent distal mineralization. A strong vein and a nearby weaker vein, both with good lateral continuity, have been traced along this segment of the zone. These veins are not emplaced alongside a feldspar porphyry dyke, nor are they flanked by the type of sheeted veining seen elsewhere in the Klaza Zone. The mineral assemblages contain higher proportions of arsenopyrite and sulphosalts than are common further east in the zone, and silver to gold ratios are higher. The best trench result from this part of the Klaza Zone was 16.76 g/t gold and 1,052 g/t silver over 3.03 m in TR-13-70.

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

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

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

In 2013, two trenches tested the projected extension of the Klaza Zone 1,300 m east of the main trenching area. The best of these trenches (TR-13-41S) yielded multiple mineralized intervals, including 1.91 m grading 2.38 g/t gold and 18.25 g/t silver. The area between this trench and the known Klaza Zone has not yet been drilled or trenched and the continuity between these areas has not been established.

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

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

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

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

The **AEX Zone** was discovered in 2012, lies 850 m south of the Klaza Zone and has been traced for 1,650 m. The best trench exposure was in TR-10-03 and returned 10.90 g/t gold and 56.41 g/t silver over 1.25 m.

The **Dickson Zone** was also discovered in 2012 and lies 1,050 m south of the BRX Zone. It has been exposed in two areas, located approximately 1,500 m apart within a 3,000 m long geophysical and multi-element soil geochemical anomaly. The best exposure from this zone was in TR-12-02 and returned 10.85 g/t gold and 93.60 g/t silver over 1.60 m.

The **Chevron Zone** was another 2012 discovery, which is located approximately 1,150 m south of the BRX Zone. It hosts multiple vein structures that have only been tested by two trenches. The best trench results were 3.79 g/t gold and 190.48 g/t silver over 9.20 m and 6.25 g/t gold and 319 g/t silver over 4.80 m, both from TR-12-36.

The **Rex Zone** was discovered by a 2016 drill hole (KL-16-314). It has not been tested by trenching.

The **Stroshein Zone** lies approximately 100 m south of the Eastern Klaza Zone and 180 m north of the Pika Zone. Four trenches completed between 2010 and 2012 cross the zone, with the best result, 8.41 g/t gold over 1.35 m, coming from TR-12-39.

Table 13 lists the most significant mineralized intervals from trenching programs conducted since 2010 in the KVS.

Table 13: Significant Trench Results – Klaza Vein System

Trench	From (m)	To (m)	Int. (m)	Au (g/t)	Ag (g/t)	Zone
TR-10-01	229.32	231.32	2.00	6.36	118.55	PIKA
TR-10-01	311.02	312.63	1.61	5.67	140.09	Eastern BRX
TR-10-01	323.89	328.89	5.00	2.91	0.60	Eastern BRX
TR-10-01	469.10	473.62	4.52	2.48	46.80	AEX
TR-10-02	92.45	97.45	5.00	1.39	28.30	Eastern BRX
TR-10-02	227.07	232.37	5.30	1.85	29.63	AEX
TR-10-02	377.20	379.09	1.89	2.78	81.88	Eastern BRX
TR-10-03	236.96	238.21	1.25	10.90	56.41	AEX
TR-10-03	356.26	356.96	0.70	5.39	88.40	Eastern BRX
TR-10-03	96.30	99.00	2.70	2.61	14.80	Eastern Klaza
TR-10-03	349.50	352.50	3.00	6.80	55.67	Eastern Klaza
TR-10-03	464.61	467.07	2.46	7.43	146.38	BYG
TR-10-03	485.91	495.91	10.00	4.22	7.90	HERC
TR-10-04	105.50	108.70	3.20	2.94	190.06	PIKA
TR-10-04	257.47	258.50	1.03	19.80	135.00	Central BRX
TR-10-04	267.17	268.45	1.28	2.26	46.00	Central BRX

TR-10-04	300.67	301.80	1.13	7.09	146.00	Central BRX
TR-10-04	314.50	316.00	1.50	12.50	237.00	Central BRX
TR-10-04	320.00	321.70	1.70	2.81	7.57	Central BRX
TR-10-06	37.90	41.90	4.00	6.40	27.48	Eastern BRX
TR-10-08	322.84	325.34	2.50	3.57	1.40	AEX
TR-10-08	441.80	446.80	5.00	1.70	1.10	Eastern BRX
TR-10-08	453.60	456.10	2.50	4.47	1.80	Eastern BRX
TR-10-09	220.67	235.52	14.85	2.55	37.83	Central Klaza
TR-10-09	346.42	347.34	0.92	1.18	178.00	BYG
TR-10-10	63.73	66.28	2.55	2.45	71.53	Central Klaza
TR-10-10	129.13	136.93	7.80	6.96	66.36	Central Klaza
TR-10-10	148.63	152.05	3.42	1.20	96.20	Central Klaza
TR-10-11	199.55	204.95	5.40	2.04	18.66	Central Klaza
TR-10-11	225.00	227.47	2.47	4.54	12.70	Central Klaza
TR-10-11	240.57	242.07	1.50	2.33	33.00	Central Klaza
TR-10-11	454.34	459.56	5.22	1.52	31.21	BYG
TR-10-12N	188.40	196.00	7.60	3.06	48.66	HERC
TR-10-12N	409.00	412.00	3.00	2.78	9.90	BYG
TR-10-12N	423.20	425.30	2.10	2.58	12.50	BYG
TR-10-12N	597.50	615.20	17.70	2.56	30.42	Central Klaza
TR-10-12N	711.00	715.00	4.00	1.01	27.20	Central Klaza
TR-10-12S	2.20	4.00	1.80	0.97	309.61	PIKA?
TR-10-12S	89.25	90.25	1.00	1.67	461.00	PIKA?
TR-10-13	301.58	303.58	2.00	2.44	5.80	Eastern Klaza
TR-10-14	240.00	241.50	1.50	2.53	133.00	AEX
TR-10-14	246.00	247.00	1.00	2.52	94.40	AEX
TR-10-14	252.00	253.50	1.50	5.60	56.90	AEX
TR-10-14	349.50	350.50	1.00	0.99	166.00	AEX
TR-10-14	361.70	362.70	1.00	9.31	996.00	Central BRX
TR-10-14	366.70	369.50	2.80	1.90	17.52	Central BRX
TR-10-15	38.90	39.90	1.00	2.32	1162.28	AEX
TR-10-15	50.40	53.45	3.05	1.96	14.02	AEX
TR-10-15	69.32	70.32	1.00	3.76	26.00	AEX
TR-10-15	121.50	126.00	4.50	2.92	140.01	Central BRX
TR-10-17	124.77	127.07	2.30	1.54	71.10	Central BRX
TR-10-17	136.87	143.87	7.00	0.96	99.00	Central BRX
TR-10-19	72.65	74.10	1.45	12.45	305.00	Central Klaza
TR-10-20	14.34	17.84	3.50	4.18	360.09	Central BRX
TR-10-21	2.18	10.86	8.68	4.01	434.87	Central BRX
TR-11-22	330.23	331.03	0.80	2.51	260.00	Eastern Klaza
TR-11-22	335.59	337.08	1.49	1.41	77.60	Eastern Klaza

TR-11-22	346.10	349.48	3.38	4.46	61.59	Eastern Klaza
TR-11-22	378.30	379.65	1.35	9.86	61.20	Eastern Klaza
TR-11-24	188.46	191.53	3.07	2.94	36.62	Western BRX
TR-11-26	165.60	180.28	14.68	2.13	7.94	BYG
includes	173.47	176.25	2.78	8.28	20.16	BYG
TR-11-26	232.00	234.00	2.00	23.90	39.70	Central Klaza
TR-11-27	62.94	64.14	1.20	0.53	155.00	Western Klaza
TR-11-28	172.19	172.94	0.75	5.19	421.00	Western Klaza
TR-11-30	62.50	63.80	1.30	4.87	634.00	Western Klaza
TR-12-01	51.00	56.00	5.00	0.31	103.00	Dickson
TR-12-01	147.50	151.82	4.32	2.51	52.92	Chevron?
TR-12-02	322.50	324.10	1.60	10.85	93.60	Dickson
TR-12-08	709.70	718.15	8.45	1.69	2.48	Eastern Klaza
TR-12-23	18.00	26.00	8.00	1.65	50.55	Central BRX
includes	22.60	26.00	3.40	3.02	72.91	Central BRX
TR-12-35	81.60	83.85	2.25	5.53	237.61	Western Klaza
TR-12-36	358.50	367.70	9.20	3.79	190.48	Chevron
includes	358.50	363.30	4.80	6.24	318.58	Chevron
TR-12-39	808.05	809.40	1.35	8.41	26.10	Stroshein
TR-13-18	24.00	26.15	2.15	1.37	44.90	Central BRX
TR-13-41N	325.77	336.49	10.72	2.85	20.04	Pearl
includes	326.97	328.22	1.25	19.75	148.00	Pearl
TR-13-41S	811.16	813.07	1.91	2.38	18.25	Far Eastern Klaza
TR-13-42	32.05	35.10	3.05	2.73	6.53	Eastern Klaza
TR-13-42	68.10	69.60	1.50	3.91	9.50	Eastern Klaza
TR-13-42	77.85	86.00	8.15	1.73	2.93	Eastern Klaza
includes	77.85	80.15	2.30	2.77	4.01	Eastern Klaza
includes	83.35	86.00	2.65	2.43	2.81	Eastern Klaza
TR-13-42	105.25	110.55	5.30	0.72	22.88	Eastern Klaza
TR-13-44	1.00	2.05	1.05	1.98	100.00	Central BRX
TR-13-44	21.30	23.80	2.50	1.15	108.00	Central BRX
TR-13-45	104.30	105.30	1.00	17.10	154.00	Western BRX
TR-13-46	263.77	266.77	3.00	1.83	16.50	Chevron
TR-13-46	304.68	317.75	13.07	1.35	12.60	Chevron
includes	304.68	310.66	5.98	2.26	22.34	Chevron
TR-13-47	30.05	31.20	1.15	87.00	768.00	Western BRX
TR-13-49	1.61	2.92	1.31	8.42	548.00	Central BRX
TR-13-51	0.00	1.00	1.00	2.68	97.30	Central Klaza
TR-13-51	11.19	12.19	1.00	0.90	2710.00	Central Klaza
TR-13-51	18.19	19.69	1.50	1.50	134.00	Central Klaza
TR-13-51	24.53	29.98	5.45	18.67	493.22	Central Klaza

includes	26.53	29.98	3.45	29.21	766.54	Central Klaza
TR-13-52	3.75	10.59	6.84	16.20	157.93	Central Klaza
includes	3.75	6.09	2.34	13.50	155.00	Central Klaza
includes	7.49	10.59	3.10	25.40	230.00	Central Klaza
TR-13-53	17.83	22.13	4.30	1.49	5.38	Far Eastern Klaza
TR-13-53	66.72	68.72	2.00	1.04	88.10	Far Eastern Klaza
TR-13-53	107.39	108.77	1.38	4.56	19.60	Far Eastern Klaza
TR-13-53	175.08	180.08	5.00	4.13	64.67	Far Eastern Klaza
TR-13-53	233.24	237.61	4.37	1.47	1.49	Far Eastern Klaza
TR-13-53	524.58	525.78	1.20	28.20	359.00	Pearl
TR-13-55	39.85	41.90	2.05	1.84	47.70	Western BRX?
TR-13-58	3.35	6.60	3.25	50.07	909.90	Western BRX
TR-13-59	8.85	15.20	6.35	1.02	61.65	Western BRX
TR-13-61	14.25	16.25	2.00	2.97	96.50	Central BRX
TR-13-62	4.85	7.85	3.00	0.95	74.80	Central BRX
TR-13-66	1.00	2.00	1.00	3.41	121.00	Central Klaza
TR-13-66	6.98	8.42	1.44	1.83	214.00	Central Klaza
TR-13-66	15.43	21.99	6.56	10.46	171.99	Central Klaza
includes	18.72	20.99	2.27	25.70	449.00	Central Klaza
TR-13-67	35.00	38.55	3.55	31.38	310.31	Western BRX
TR-13-67	43.70	48.70	5.00	3.34	80.77	Western BRX
TR-13-68	9.30	11.30	2.00	2.08	274.00	Western BRX
TR-13-68	19.75	21.25	1.50	1.42	166.00	Western BRX
TR-13-69	5.16	9.76	4.60	8.29	295.35	Western Klaza
TR-13-70	2.50	7.03	4.53	11.36	729.95	Western Klaza
includes	2.50	4.00	1.50	24.70	2000.00	Western Klaza
TR-13-71	0.00	1.80	1.80	4.82	53.92	Western Klaza
TR-13-73	1.00	6.20	5.20	15.18	300.90	Western BRX
includes	3.70	6.20	2.50	26.10	574.00	Western BRX
TR-13-74	12.45	14.70	2.25	31.20	1030.00	Western BRX
TR-13-75	4.75	6.20	1.45	11.50	1680.00	Western BRX
TR-13-75	17.24	20.24	3.00	34.70	160.00	Western BRX
TR-13-77	3.60	7.18	3.58	9.16	430.28	Western BRX
includes	5.08	7.18	2.10	14.40	729.00	Western BRX
TR-14-13	188.60	189.90	1.30	5.83	390.00	Eastern Klaza
and	226.70	227.70	1.00	3.78	9.85	Eastern Klaza
and	246.60	248.60	2.00	2.65	12.48	Eastern Klaza
and	285.70	286.60	0.90	2.64	3.23	Eastern Klaza
and	397.70	399.70	2.00	1.97	2.42	Eastern Klaza
TR-14-79	16.20	17.20	5.90	1.13	12.22	Western Klaza
includes	20.70	22.10	1.40	2.75	27	Western Klaza

TR-15-80	208.9	209.9	1.00	41.3	241	Central Klaza
and	209.9	210.9	1.00	31.9	506	Central Klaza
TR-16-84	299	302.5	3.5	3.88	25.5	Unnamed

Work Areas 3, 4 and 6

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

In 2016, four historical trenches were re-trenched and sampled in Work Area 6 after float samples from the old workings returned up to 10.8 g/t gold, 179 g/t silver and 5.00% lead. These trenches intersected two roughly northwest trending veins that returned up to 4.94 g/t gold, 294 g/t silver and 11.99% lead over 6.5 m. A total of 222 chip samples were collected from the four trenches over 590 combined metres. The best intervals from these veins are listed on Table 14 below.

Table 144: 2016 Trench Intercepts in Work Area 6

Trench	From (m)	To (m)	Int. (m)	Au (g/t)	Ag (g/t)	Zone
TR-16-86	40	46.5	6.5	4.94	294	Unnamed
TR-16-88	40.5	43	2.5	4.46	11.25	Unnamed

DIAMOND DRILLING

Work Area 2

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

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

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

In 2012, diamond drilling was contracted to four companies: Swiftsure, Strike, Elite, and Platinum Diamond Drilling Inc. (Platinum) of Winnipegosis, Manitoba. The work was done

using three skid-mounted, diesel-powered A-5 drills and one skid-mounted, diesel-powered JKS-300 drill. The A-5 drills used HQ and NQ equipment while the JKS-300 used BTW equipment.

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

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

In 2016, diamond drilling was again contracted to Platinum. Drilling was done using two skid-mounted, diesel-powered A-5 diamond drills. The A-5 drills used HQ and NQ equipment.

A total of 340 diamond drill holes (78,873.13 m) have been completed in and around the KVS since 2010, as summarized in Table 14. A total of 3203 samples were collected from drill core in 2016. Sample Handling and Analytical Procedures are described in Appendix III, while Certificates of Analysis are in Appendix IV. Geological and Geotechnical Logs can be found in Appendix V.

Table 15: 2010 to 2016 Diamond Drilling Summary – Klaza Vein System

Year	Holes Drilled	Total Drilled (m)
2010	11	1,642.08
2011	52	14,068.45
2012	73	21,719.47
2013	0	0.00
2014	104	19,242.35
2015	56	13,773.94
2016	44	8,426.84
TOTAL	**340**	**78,873.13**

Most diamond drill holes were collared at dips of -50° (with the exception of vertical water monitoring holes) and most of the holes had azimuths of 030° to 035° (north-northeast) as shown on Figure 24. Drilling has been on section lines spaced roughly 50 m apart along much of the lengths of both the Klaza and BRX zones. More widely spaced drill holes have tested portions of the other nine zones in the KVS.

The majority of drill holes completed in 2016 were located either within the footwall area of the Central Klaza Zone, or along strike of the newly discovered Stroshein Zone. This drilling targeted areas of high-grade mineralization and was designed to infill around existing drill holes in order to provide data that will be used to update resource calculations.

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

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

Table 16: Data for Main Mineralized Zones – Klaza Vein System

Zone	Mineralized Strike Length (m)	Maximum Down-dip Drill Intercept (m)	Best Drill Intercept
Western Klaza	400	250	13.75 g/t gold and 357 g/t silver over 2.11 m (KL-12-115)
Central Klaza	800	325	7.20 g/t gold and 260 g/t silver over 15.30 m (KL-10-07)
Eastern Klaza	1,100	180	34.10 g/t gold and 47.5 g/t silver over 1.00 m (KL-12-68)
Western BRX	500	520	5.78 g/t gold and 111 g/t silver over 15.62 m (KL-12-96)
Central BRX	1,900	400	11.30 g/t gold and 233 g/t silver over 1.52 m (KL-12-114)
Pika	740	250	32.52 g/t gold and 34.3 g/t silver over 3.36 m (KL-10-06)
AEX	1650	310	9.03 g/t gold and 27.7 g/t silver over 1.00 m (KL-12-125)
BYG	650	310	6.29 g/t gold and 342 g/t silver over 1.43 m (KL-11-63)
Dickson	450	100	7.08 g/t gold and 127 g/t silver over 1.00 m (KL-12-86)
HERC	460	310	3.39 g/t gold and 205 g/t silver over 2.28 m (KL-12-95)
Chevron	250	90	3.97 g/t gold and 95.4 g/t silver over 1.26 m (KL-12-120)
Pearl	450	100	2.09 g/t gold and 5.68 g/t silver over 2.57 m (KL-14-234)
Stroshein	675	280	5.29 g/t gold and 10.97 g/t silver over 3.09 m (KL-16-300)
Rex	?	60	10.55 g/t gold and 44.7 g/t silver over 1.42 m (KL-16-314)

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

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

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

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

The **BRX Zone** has been traced for approximately 2,400 m along strike and been tested to a maximum depth of 520 m down-dip. Mineralization is associated with a laterally extensive northwest striking and moderately to steeply southwest dipping feldspar porphyry dyke. Veins occur on the margins of that dyke and, where the dyke bifurcates, the number of veins increases, which sometimes results in wider mineralized intervals.

The ***Central BRX Zone*** features veins and vein zones that are dominated by quartz, pyrite and iron-rich carbonates (ankerite and siderite). Pyrite, sphalerite and galena are the main sulphide minerals, while arsenopyrite and sulphosalts are absent, or present in only minor quantities. Figure 25 shows a type section depicting the geometry of the mineralized veining relative to the dyke. The best intervals from the Central BRX Zone came from KL-14-197, which graded 6.76 g/t gold and 978 g/t silver over 0.73 m, and KL-11-29, which returned 3.29 g/t gold and 407 g/t silver over 3.00 m.

The ***Western BRX Zone*** consists of quartz veins and vein zones that contain pyrite, arsenopyrite, galena, sphalerite, chalcopyrite and sulphosalts. Carbonate gangue facies in these veins are manganiferous carbonates. Figure 26 illustrates the geometry of mineralization defining this zone. The two best intercepts in the Western BRX Zone were from holes KL-12-96 and KL-14-238. KL-12-96 intersected two veins grading 25.1 g/t gold and 621 g/t silver over 2.32 m and 10.55 g/t gold and 92.7 g/t silver over 2.90 m. When composited together with adjoining samples, the broader interval averaged 5.78 g/t gold and 111 g/t silver over 15.62 m. KL-14-238 intersected multiple veins within an 18.5 m interval that averaged 2.19 g/t gold and 120 g/t silver. The best of the veins in that interval graded 16.29 g/t gold and 1435 g/t silver over 1.37 m. KL-14-238 intersected the zone 520 m down-dip from surface.

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

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

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

Mineralization in the ***Central Klaza Zone*** (east of section KL 9+900 m and west of section KL 10+500 m) is hosted within a laterally extensive complex of steeply dipping veins, breccias and sheeted veinlets, which are associated with a swarm of feldspar porphyry dykes. The strongest

veins are typically found along dyke margins. Pyrite, arsenopyrite, galena and sphalerite are the main sulphide minerals in this sub-zone. Excellent results from this part of the Klaza Zone were reported from an interval in KL-10-07, which graded 7.20 g/t gold and 260 g/t silver over 15.30 m and an interval in KL-12-133, which graded 11.90 g/t gold and 5.23 g/t silver across 6.70 m.

The ***Western Klaza Zone*** is defined by two narrow high-grade silver-gold veins (extending west from section KL 9+900). Unlike other zones, these veins are not emplaced alongside a feldspar porphyry dyke and they are not flanked by the type of sheeted veining seen elsewhere in the Klaza Zone. The mineral assemblages in the Western Klaza Zone contain higher proportions of arsenopyrite and sulphosalts than are common further east in the Klaza Zone, and silver to gold ratios are higher. Some of the best drill results from this area were cut in KL-12-115 and KL-14-220. KL-12-115 returned 4.51 g/t gold and 332 g/t silver across 7.12 m, including 13.75 g/t gold and 357 g/t silver across 2.11 m. An interval in KL-14-220 graded 15.38 g/t gold and 741 g/t silver across 1.46 m.

The geometry of mineralization for the Central Klaza and Western Klaza zones are illustrated in Figures 27 and 28, while Figure 29 shows 2016 target mineralization and subsequent drill intercepts within a section of the Central Klaza.

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

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

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

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

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

The **AEX Zone** is located approximately 150 to 200 m south of the BRX Zone. It is one of the largest zones on the property with a drill indicated strike length of 1,650 m. The best drill intercepts from the AEX Zone came from KL-12-091, which graded 9.03 g/t gold and 27.7 g/t silver over 1.00 m, and KL-15-248 which graded 26.9 g/t gold and 576 g/t silver over 0.42 m.

The **Chevron Zone** hosts multiple vein structures that have only been tested by two diamond drill holes and one excavator trench over a 250 m strike length in the western part of the zone, and one trench 1,600 m to the east. The best drill intercept returned 3.97 g/t gold and 95.4 g/t silver across 1.26 m.

The **Dickson Zone** has been tested by eight holes in two areas located approximately 1,500 m apart. These drilled areas lie within a single 3,000 m long, geophysical and multi-element soil geochemical anomaly. The deepest intercept of the Dickson Zone is 100 m down-dip of surface and returned 7.08 g/t gold and 127 g/t silver over 1.00 m. Additional drilling needs to be done between the two areas of mineralization to confirm continuity along the anomalous trend.

The **Rex Zone** is located approximately 1,100 m south of the Eastern BRX Zone, and represents the most southerly vein zone identified to date in the KVS. KL-16-314 encountered three near surface veins with the best intercept returning 10.55 g/t gold and 44.7 g/t silver over 1.42 m. Additional drilling needs to be done to outline the extent of this zone.

The **Stroshein Zone**, located 100 m south of the Eastern Klaza Zone, has been tested by seven holes located along strike, to a down-hole depth of 281.91 m. This zone lies along a magnetic low and is supported by anomalous soil geochemical results. Additional drilling needs to be done to further delineate the continuity of this zone.

The **Kelly Zone** has been tested by three diamond drill holes. The best results came from KL-12-134, which cut 0.22 g/t gold, 0.20 % copper and 0.012 % molybdenum over 25.99 m. Following favorable results from the IP survey in 2016, two additional diamond drill holes (KL-16-309 and KL-16-314) were collared 950 metres apart, to test parts of the chargeability and resistivity anomalies. Porphyry-style mineralization in these holes consists primarily of veins and veinlets hosting pyrite with lesser chalcopyrite and rare coarse-grained native arsenic. Assays from intervals within the chargeability anomaly yielded weakly elevated levels of copper and gold. Additional diamond drilling is needed to fully test this large geophysical anomaly.

Significant Drill Intersections from diamond drill programs conducted since 2010 are shown in Appendix VI. Histogram sections for the Western/Central BRX and Western/Central Klaza zones are included digitally.

Work Areas 3, 4 and 6

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

Burrell, 2013a; Robinson, 1959; McClintock, 1986; Heberlein and Lyons, 1986; Langdon, 1992; and Stroshein, 2008.

PERCUSSION DRILLING

In 2011, 2,940 m of reverse circulation percussion drilling were completed in 21 widely spaced holes. Most of this drilling tested across magnetic lows located in an overburden-covered area, along strike to the west of the KVS. Percussion drilling was completed by Midnight Sun Drilling Ltd. of Whitehorse, Yukon. This drilling was done using a track-mounted, diesel-powered reverse circulation percussion drill. The locations of the percussion holes are shown on Figure 30 overlain by first vertical derivative magnetic results.

The best intercepts from percussion drilling were from PDH-11-02 and PDH-11-03 which returned up to 0.481 g/t gold, 19.1 g/t silver and greater than 10,000 ppm lead over 1.5 m, and 0.395 g/t gold, 14.3 g/t silver and 952 ppm lead over 1.5 m, respectively. Two five-foot intervals that returned anomalous values for gold and lead were re-assayed after gold-panning the remaining percussion chips into a concentrate. Sample Handling and Analytical Procedures are described in Appendix III, while Certificates of Analysis are in Appendix IV

GEOTECHNICAL AND HYDROGEOLOGICAL TESTING

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

A Reflex ACT III downhole digital core orientation system was used in 2014 and 2015 to orient the core in a total of 46 holes. In 2015, 18 of the 19 oriented holes were drilled using split tubes. The use of split tubes allowed orientation measurements to be collected across incompetent intervals or intervals with poor recovery. Split tube intervals were oriented by Archer Cathro employees at the drill sites. The core tube was first aligned by the driller's helper using the ACT III tool before the split tube was extracted from the core tube. Care was taken to not shift the core during this process. A line representing the top of the hole was marked down the length of the core by the Archer Cathro employees. Structural orientation measurements within the interval were taken prior to the core being transferred to core boxes.

BASELINE WATER QUALITY AND WEATHER DATA COLLECTING

In March 2012, Rockhaven contracted J.Gibson Environmental Consulting to begin conducting baseline water quality surveys on the surface waters draining the Property from 10 sites. The

baseline survey tests for routine chemistry, total and dissolved metals, total organic carbon and total cyanide, pH measurements, water temperature and flow volumes. This testing has since expanded to quarterly tests on the Property across 11 sites.

In June 2013, an Onset Hobo weather station was installed by J.Gibson Consulting to collect continuous weather data. The station measures wind speed, wind gusts, wind direction, solar radiation, relative humidity, temperature (minimum and maximum) and rainfall precipitation.

Quarterly report data for water quality and climatic data from 2016 can be found in Appendix VII

MINERAL PROCESSING AND METALLURGICAL TESTING

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

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

In 2015, Rockhaven contracted Blue Coast to conduct a more in-depth metallurgical testwork program on composites prepared from representative core samples from specific interval resource blocks within the Klaza and BRX zones.

In 2016, Rockhaven contracted Blue Coast to conduct initial testwork to evaluate the applicability of pre-concentration on material from different zones in the Klaza deposit. Drill holes that were selected for use in representative composite samples and pre-concentration testing are shown on Figure 31.

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

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

Preliminary cyanide leach tests on material from the area delineated by the current mineral resource yielded gold recoveries ranging from 20.7% to 59.6%. Silver extractions by cyanide

ranged from 19.2% to 31.9%. Gold recovery from the Eastern Klaza Zone, which is not in the current mineral resource, was 78.4% and silver recovery was 27.1%.

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

Table 17: Composite Head Assays

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

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

Table 18: Metallurgical Performance from Locked Cycle Testing of Project Wide Composite

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

Product	Weight		% Distribution						
	g	%	Pb	Zn	Fe	Ag	Au	As	S
Lead Cleaner 3 Conc	**46**	**1.1**	**85**	**3**	**2**	**62**	**26**	**4**	**4**

Zinc Cleaner 2 Conc	**89**	**2.2**	**6**	**85**	**3**	**27**	**5**	**2**	**12**
AsPy Conc	**485**	**12.1**	**5**	**10**	**65**	**8**	**65**	**88**	**71**
Rougher Tail	**3389**	**84.5**	4	3	31	3	4	5	13
Feed	**4009**	**100**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

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

Table 19: Projected Metallurgical Performance

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

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

Table 20: Variability Composite Flotation Results

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

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

Limited flotation testwork has been conducted on the Eastern BRX Zone, with only a single open-cycle cleaner test conducted. Elevated copper grades in this area led to production of a bulk copper/lead cleaner concentrate grading 9% lead, 19% copper, 271 g/t gold and 3443 g/t silver, with recoveries of 60%, 41%, 51% and 59%, respectively. Recoveries to the zinc concentrate were 84% for zinc, 8% for gold and 14% for silver, with a zinc concentrate grade of 28%. The arsenopyrite rougher stage recovered 29% of the overall gold and 13% of the silver.

Overall recoveries of gold and silver to concentrates were 87% and 85%, respectively. These test conditions were un-optimized, and further follow-up work would be necessary to determine optimal process conditions for Eastern BRX material. This testwork would include development of a process to separate copper from lead with the aim of creating two separate saleable products. Further details pertaining to the 2015 metallurgical testwork can be found in the technical report entitled "Updated Diamond Drilling, Metallurgical Testing, and Mineral Resources" prepared by A.A. Ross, Ph.D., P.Geo of AMC Mining Consultants (Canada) Ltd., C.J. Martin, C.Eng., of Blue Coast Metallurgy Ltd., and M.R. Dumala, P.Eng of Archer, Cathro & Associates (1981) Limited.

Preliminary pre-concentration test work in 2016 was completed to graduate the use of pre-concentrate in the metallurgical flow sheet. Coarse fraction material > 9 mm was subject to DMS tests using a Knelson concentrator to perform density separation, while the fine fraction was tested using the same DMS tests at -1.18 mm and a super-panning table screened to -75 microns. The combined results from the coarse and fine fractions are summarized in Table 20.

Table 21: Overall Pre-Concentration Results

Product	Mass %	Grade				Recovery (%)			
		Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)	Au	Ag	Pb	Zn
Combined pre-con including fines	17.9	19.97	139.92	2.29	2.39	93.7	90.2	79.5	78.8
Combined tails	82.1	0.29	3.32	0.13	0.14	6.3	9.8	20.5	21.2
Head Grade	**100.0**	**3.81**	**27.76**	**0.52**	**0.54**	**100.0**	**100.0**	**100.0**	**100.0**

The results from this test work indicate that the use of pre-concentration will be effective and high recoveries of both gold and silver were achieved with a low mass pull (18%).

MINERAL RESOURCE ESTIMATION

The 2015 inferred mineral resource for the western and central portions of the Klaza Zone and all three portions of the BRX Zone total 9,421,000 t grading 4.48 g/t gold, 89.02 g/t silver, 0.75% lead, and 0.95% zinc. This mineral resource includes pit-constrained resources stated above a 1.3 g/t gold equivalent (EQ) cut-off and underground resources stated above a 2.75 g/t gold EQ cut-off. A summary of inferred mineral resources as of December 9, 2015 is shown in Table 21, and a breakdown by mineralized zones is given in Table 22 and Table 23. The mineral resource estimation was completed by Adrienne Ross, P. Geo (of AMC Mining Consultants Ltd.) who is a Qualified Person (QP) and independent of Rockhaven, based on the criteria defined by National Instrument 43-101.

Table 22: Inferred Resource in Pit-Constrained and Underground

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

Table 23: Inferred Mineral Resources (grade) as of December 9, 2015 by Zone

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

Table 24: Inferred Mineral Resources (contained metal) as of December 9, 2015 by Zone

Zone	PC/UG	Au (koz)	Ag (koz)	Pb (klb)	Zn (klb)	AuEQ (koz)
Western BRX	Pit-Constrained	146	1,960	12,608	12,557	178
	Underground	206	3,853	26,764	30,194	271
	Total	**352**	**5,813**	**39,372**	**42,750**	**448**
Central BRX	Pit-Constrained	33	1,752	8,361	8,693	60
	Underground	87	5,019	28,561	31,506	167
	Total	**121**	**6,771**	**36,922**	**40,198**	**227**
Eastern BRX	Pit-Constrained	27	559	908	1,798	35
	Underground	289	3,568	10,296	14,230	340

	Total	**317**	**4,127**	**11,203**	**16,028**	**374**
Western Klaza	Pit-Constrained	18	752	1,803	1,748	28
	Underground	80	2,703	5,879	8,820	117
	Total	**98**	**3,455**	**7,682**	**10,567**	**145**
Central Klaza	Pit-Constrained	164	2,168	24,578	36,680	210
	Underground	305	4,628	35,661	51,668	389
	Total	**470**	**6,796**	**60,239**	**88,347**	**599**

CIM definition standards were used for the Mineral Resource.
Using drilling results to September 30, 2015.
Near surface Mineral Resources are constrained by an optimized pit shell at a gold price of US$1300 oz.
Cut-off grades applied to the pit-constrained and underground Resources are 1.3 g/t Au EQ and 2.75 g/t Au EQ respectively.
Gold equivalent values were calculated using the following formula: Au EQ=Au+Ag/85+Pb/3.74+Zn/5.04 and assuming: US$1300 oz Au, US$20 oz Ag, US$0.90 lb Pb and US$0.90 lb Zn with recoveries for each metal of Au: 96%, Ag: 91%, Pb: 85% and Zn: 85%.
Numbers may not add due to rounding.
All metal prices are quoted in US$ at an exchange rate of $0.80 US to $1.00 Canadian.
Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
Source: AMC Mining Consultants (Canada) Ltd.

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

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

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

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

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

generally competent rock that contains minimal voids, the density measurements are considered to be a good approximation of bulk density.

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

PRELIMINARY ECONOMIC ASSESSMENT

In March 2016, Rockhaven announced the results of a positive Preliminary Economic Assessment ("PEA") for the Property. The results of the PEA include a pre-tax Net Present Value ("NPV") at a 5% discount rate of $150 million with a pre-tax Internal Rate of Return ("IRR") of 20% and a post-tax NPV at a 5% discount rate of $86 million and a post-Tax IRR of 14%.

Highlights from the PEA, with the base case gold price of US$1200/oz and a silver price of US$16/oz and an exchange rate of C$1.00 equal to US$0.75 are as follows (all figures in Canadian Dollars unless otherwise stated):

- Combination of contractor open pit and owner-operated longhole open stoping underground mining;
- NPV(5%) of $150 million and an IRR of 20% before tax, and an NPV(5%) of $86 million and an IRR of 14% after tax;
- 14-year mine life producing total payable metals of approximately 630,000 oz gold, 11,364,000 oz silver, 51,229,000 lbs lead and 52,461,000 lbs zinc;
- Project capital costs of $262 million, which includes $34 million in contingency costs. Life-of-mine ("LOM") sustaining capital costs total $96 million;
- Centrally located flotation-POX-leach process plant, operating year round at a rate of 1,500 tonnes per day ("tpd");
- Average mill feed grade of 3.33 g/t Au, 77 g/t Ag, 0.70% lead and 0.80% zinc which equates to a 4.02 g/t AuEQ*;
- Average LOM operating cash cost of US$652/oz AuEQ* and total all-in sustaining cost of US$966/oz AuEQ*; and,
- The project benefits from the well-developed infrastructure in the area including existing road access and proximity to an established community.

Tables 24 and 25 show economic results with varying metal prices and assumptions, and summarize projected production.

Table 25: Klaza Combined Open Pit and Underground Mine – Key Economic Assumptions and Results

Klaza	Unit	Value
Total Mineralized Rock Mined	kt	6,444
Gold Grade[1]	g/t	3.3
Silver Grade[1]	g/t	77
Lead Grade[1]	%	0.7%
Zinc Grade[1]	%	0.8%
AuEQ Grade[2]	g/t	4.02
Gold Recovery[1]	%	94%
Silver Recovery[1]	%	88%
Lead Recovery[1]	%	83%
Zinc Recovery[1]	%	84%
Gold Price	US$/oz	1,200
Silver Price	US$/oz	16.00
Lead Price	US$/lb	0.80
Zinc Price	US$/lb	0.85
Payable Gold Metal[3]	oz	630,000
Payable Silver Metal[3]	oz	11,364,000
Payable Lead Metal[3]	lbs	51,229,000
Payable Zinc Metal[3]	lbs	52,461,000
Total Net Revenue	$M	1,365
Total Capital Costs (Project & Sustaining)	$M	358
Operating Costs (Total)[4]	$/t	115.0
Operating Cash Cost (AuEQ[2])	US$/oz AuEQ	651.5
Total All In Sustaining Cost (AuEQ[2])	US$/oz AuEQ	965.9
Payback Period[6]	Yrs	7
Cumulative Net Cash flow[7]	$M	266
Pre-tax NPV[8]	$M	150
Pre-tax IRR	%	20
Post-tax NPV[8]	$M	86
Post-tax IRR	%	14

1. LOM average
2. Gold equivalent values for mining purposes assume base case metal prices and recoveries used in the PEA and are calculated using the following formula: AuEQ=1*Au+Ag/106.5+Pb/7.63+Zn/14.45
3. Overall payable % includes treatment, transport, refining costs and selling costs
4. Includes mine operating costs, milling, and mine G&A
5. Includes open pit and underground operating costs
6. Values are pre-tax and discounted at 5%, from base date of Year 0
7. Pre-tax and undiscounted
8. At 5% discount rate

Table 26: Klaza Economic Sensitivity Analysis (Pre-tax)

		-15%			Base Case	+15%		
Variable	**Unit**	**Value**	**NPV**	**IRR**		**Value**	**NPV**	**IRR**
Gold	US$/oz	$1,020	$41	9%	$1,200	$1,380	$259	30%
Silver	US$/oz	$14	$125	18%	$16	$18	$175	22%
Mining Cost	$/t	$51	$191	24%	$60	$69	$109	16%
Processing Cost	$/t	$37	$179	22%	$43	$50	$121	17%
LOM Capital	$M	$304	$188	26%	$358	$411	$111	15%

The Klaza project has been envisioned as a combined open-pit and underground mining operation. Open-pit mining is anticipated to be completed by a contract mining company while the underground operation will be owner-operator with the equipment owned and personnel employed by Rockhaven.

Grid electrical power will provide the majority of the electrical power to the project over the life of the mine. The work force is expected to live in the village of Carmacks and be transported daily by bus to and from the mine site along the existing road. No allowance for a mine camp has been included in the project estimates. Tables 26 and 27 show total capital and operating costs for development, processing and additional cost components.

Table 27: Total Capital Cost Estimate

Description	Cost ($M)
Underground development	136
Flotation tailings storage & residue tailings storage	10
Underground mine infrastructure	17
Mobile equipment	32
Processing plant	91
Surface infrastructure	14
Capital indirects	11
Contingency	34
Additional 5% sustaining for equipment rebuilds	13
Total capital cost	**358**
Project capital	**262**
Sustaining capital	**96**

Table 28: Total Operating Cost Estimate

Description	Cost ($/t)
Mining cost	59.65
Processing cost	43.37

General and Administration cost	12.00
Total operating cost	**115.02**

Open-pit mining is anticipated to commence in Year 1 and produce a total of 1,305 kt of mineralized rock over five years. Peak open-pit production will be 380 kt in Year 1. A total of 5,139 kt of mineralized rock is anticipated to be produced from underground operations over the 14-year mine life, beginning in Year 0. Peak underground production will be 551 kt in Year 6.

Underground mining will be accomplished using mechanized longhole open stoping on 30 m sub-levels. Underground access will be achieved via two separate declines for the main parts of the BRX and Klaza zones. A third decline will access an isolated sub-portion of the Central Klaza Zone. A minimum stope width of 2.0 m was used in this study with dilution of 0.25 m in the hanging wall and 0.1 m in the footwall.

Waste rock will be used to backfill underground stopes as they are mined and to construct the tailings dams. The remainder will be disposed of in waste dumps on surface.

The Klaza process consists of comminution by crushing followed by semi-autogenous grinding and ball milling, with the ground product feeding a conventional sequential flotation circuit producing lead, zinc and arsenopyrite concentrates. The arsenopyrite concentrate is treated by pressure oxidation (POX), followed by cyanide leaching of the POX residue to recover the gold. Precious metals are also leached from the lead concentrate to increase the overall gold recovery to doré and enhance saleability of the concentrate. Final products from this process are precious-metal-rich lead and zinc concentrates as well as gold and silver as doré.

The processing plant will operate year-round at a rate of approximately 1,500 tonnes per calendar day, and will achieve full throughput by Year 2. The average LOM feed grade is projected to be 3.33 g/t Au, 77 g/t Ag, 0.70% lead and 0.80% zinc.

Concentrates will be dewatered and containerized for shipment to smelters. Flotation tailings will be thickened and sent to a conventional tailings impoundment, and the leached pressure oxidation residue will flow through cyanide destruction and be sent to a double-lined hydromet residue storage facility. Starting in Year 6, mined-out open-pits will be used to store the flotation tails.

Process water will primarily be sourced from underground dewatering and surface run-off, with make-up from the nearby Klaza River as necessary.

Metallurgical testwork to support the PEA has been conducted on several composites from the Western Klaza, Central Klaza and Western BRX zones, as well as a Project-Wide Composite comprising a blend of material from these zones. Testwork included grinding, flotation and pressure oxidation work as highlighted earlier in this report.

Rockhaven undertook a preliminary concentrate marketing study to increase the confidence in the project's potential economics. H. M. Hamilton & Associates Inc. was contracted to investigate possible markets and potential terms for the lead and zinc concentrates. Results from

this study were used to direct metallurgical studies. Final concentrates are expected to be saleable and the findings from this study, including treatment terms and shipping distances, were used in the economic model.

The results of the PEA were positive and there are numerous opportunities to enhance value, which include further drilling to expand resources and metallurgical testing to reduce processing costs and lower cut-off grades through pre-concentration.

Details of the PEA can be found in the technical report entitled "Technical Report and PEA for the Klaza Au-Ag Deposit, Yukon, Canada for Rockhaven Resources Ltd." prepared by G. Methven, P.Eng and A.A. Ross, Ph.D., P.Geo and P. Lebleu, P.Eng and W. Hughes, P.Eng of AMC Mining Consultants (Canada) Ltd. (mineral resource, mining, infrastructure and financial analysis) in cooperation with C.J. Martin, C.Eng., of Blue Coast Metallurgy Ltd. (metallurgy and processing), and B.Borntraeger, P.Eng of Knight Piésold (tailings). The PEA was based on the updated Mineral Resource estimate as shown in the section above.

DISCUSSION AND CONCLUSIONS

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

Work Area 2 of the Property hosts a significant gold-silver deposit within a 100% owned road-accessible claim block. The majority of the current mineral resource is defined within the BRX and Klaza zones, which are two of eleven main mineralized structures identified to date within the KVS. New discoveries continue to be made within the KVS, with the Stroshein and Rex Zone discoveries in 2016.

Mineralization is related to a porphyry to epithermal transition model with the Mount Nansen porphyry complex (Cyprus and Kelly zones) considered to be the main driver for vein mineralization on the Property. Although vein mineralization in the KVS appears to be quite complex, the continuity of the BRX and Klaza zones is remarkably planar and cohesive, both laterally and vertically. Gold and silver distribution varies throughout the KVS, with the highest values for both metals mostly clustered within the western parts of the BRX and Klaza zones.

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

Metallurgical work completed to date includes conventional gravity separation, cyanide leaching and flotation tests. Flotation work has focused on producing lead, zinc and gold-rich bulk sulphide concentrates through sequential flotation. Locked-cycle tests have yielded promising

recoveries and grades. Overall projected recoveries to saleable products based on locked-cycle testing are 96% for gold, 91% for silver, 85% for lead and 85% for zinc.

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

In late 2016, test work was carried out to determine the suitability of applying pre-concentration techniques to the process flow sheet. The results were very promising, with high recoveries for both gold (93.7%) and silver (90.2%) to a concentrate with a low (18%) mass pull. Additional material is needed to carry out variability and locked-cycle tests.

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

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

The current mineral resource and unquantified mineralized zones elsewhere in the KVS are open for expansion along strike and to depth. The mineralized system is known to have a vertical extent of at least 520 m down-dip, and this could reasonably expand because most CBM deposits are mineralized in a vertical range exceeding 1,000 m. There is excellent potential to significantly increase the current mineral resource through continued low-cost drilling. In addition, many geochemical and geophysical anomalies, outside of those associated with the known mineralized structures, have yet to be explored.

Ongoing exploration at the KVS has largely been directed by geochemical and geophysical results. Multi-element soil geochemical anomalies mark the known mineralized zones, and similar, mostly untested anomalies have been identified along strike and parallel to the known zones. Hydrothermal fluids that flowed through the mineralized structures have: locally destroyed magnetite in the host rocks; precipitated sulphide minerals in fractures, veins and breccias; and, altered some minerals comprising wallrocks in and around the zones. Magnetic susceptibility measurements of drill core confirm that the mineralized zones are considerably less magnetic than the surrounding, unaltered granodiorite, and helicopter-borne surveys have outlined magnetic lows along the known zones. There are numerous untested linear magnetic lows within and adjacent to the KVS, which parallel the orientation of the known structural zones.

Results of ground-based VLF-EM surveys generally support the magnetic data. An induced polarization survey completed in 2016 identified a large, strong chargeability anomaly at the Kelly Zone, which has only been partially tested by drilling and trenching. A 2006 IP survey outlined the western edge of the Kelly Zone anomaly and identified narrow linear chargeability highs and resistibility lows along some of the mineralized structural zones in the KVS. A second, tighter array induced polarization survey, done in 2013 across the central parts of the Klaza and BRX zones, also showed outlined broad chargeability highs and resistivity lows that mark those zones and flanking subsidiary structures. Untested soil geochemical and geophysical anomalies are considered priority targets for future exploration.

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

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

Additional drilling at the KVS should include holes designed to extend the bounds of the current mineral resource to greater depths. These holes should include the western portions of the BRX and Klaza zones, due to the tenor of mineralization in the deepest holes being well above the deposit average grades and no indications that mineralization is waning at depth. Both these areas have much higher grades than are typically found in the central portions of the BRX and Klaza zones, and the mineral resource estimates for these areas are the least affected by cut-off grade sensitivity. Taking into account the results from the PEA, additional work should be expanded to assess for mineralization around the envisioned open-pits.

Northwesterly extensions of the BRX and Klaza zones are inferred by multi-element grid soil geochemical anomalies, linear magnetic low and very low frequency electromagnetic (VLF-EM) conductors. A series of widely spaced holes that attempted to trace the Western BRX Zone further to the northwest across a major cross-fault intersected vein zones, but it is unclear whether these zones are part of the BRX structure. More drilling is certainly warranted northwest of the cross-fault to assess potential along strike of the BRX, Klaza and other mineralized zones.

In 2016, work identified new areas of mineralization in the southeastern part of the KVS. The Rex Zone, which returned assays up to 10.55 g/t gold over 1.42 m, should be further drilled to better assess its overall potential and orientation. Additionally, newly identified soil geochemical anomalies and trench exposures indicate the potential for new discoveries further south in KVS and adjacent portions of Work Area 6.

Further deposit studies are recommended and should include fluid inclusion analyses to verify the deposit model classification. An in-depth analysis of metal and associated element ratios within the mineralized zones should also be done in order to establish vertical and lateral

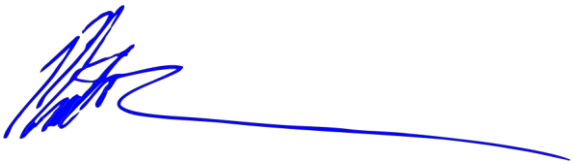
vectoring tools for continued deposit expansion and discovery of new mineralization elsewhere on the Property.

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

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Matthew Turner, B.Sc.



Kelson Willms, B.Sc.



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APPENDIX I

STATEMENTS OF QUALIFICATIONS

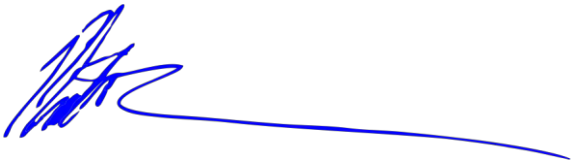
STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 2002 with a B.Sc. majoring in Earth and Ocean Sciences.

2. From 2002 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia, Yukon Territory and Northwest Territories

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



Matthew Turner, B.Sc.

STATEMENT OF QUALIFICATIONS

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

1. I am currently graduating from the University of British Columbia - Okanagan in 2017 with a B.Sc. majoring in Earth and Environmental Sciences

2. From 2015 to present, I have been actively engaged in mineral exploration in Yukon Territory

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



Kelson Willms, B.Sc.

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
1,317 Klaza Property Mineral Claims
November 2, 2016

Contract Diamond Drilling (including management)

Platinum Diamond Drilling Inc.	$936,127.74

Total drilling 8,426.84 m = $111.09/m

APPENDIX III

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLING METHODS AND APPROACH

Soil Sampling

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

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

Rock Sampling

Rock samples were collected from areas across the property as float samples and where possible, bedrock samples. Rock samples were collected from old workings, trenches that did not reach bedrock, and prospective areas of the property. After collection, samples were bagged in 6 mm clear plastic bags along with pre-numbered sample tags. The samples were then placed in white fiberglass bags and sealed, after the addition of one standard and one blank, with a metal clasp with sample numbers were written on the outside of that bag with permanent felt pen. Security tags placed on the fiberglass bags ensured chain of custody was followed during transport.

Trenching

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

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

1) Trenches were excavated.

2) The walls of trenches were cleaned, where necessary, with a shovel.
3) Trenches were mapped and sample intervals marked at geological breaks or at 1 to 10 m intervals depending on the intensity of alteration and mineralization.
4) Continuous chip samples were collected along one wall of the trench as close to the floor of the trench as slumping would allow using a geological hammer. The chips were collected either in a tub or on a sample sheet. Sample sizes averaged approximately two kilograms per linear metre sampled for intervals containing veins and about 7 kg per sample for intervals comprised primarily of altered wallrock.
5) Samples were placed in doubled 6 mm plastic bags along with a pre-numbered sample tag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen.
6) In 2011 to 2014, one blank and one standard samples were randomly inserted into every batch. No quality control samples were inserted into batches in 2010.
7) In 2013, samples collected from trenches within the core of the BRX and Klaza Zones were divided into batches comprising 31 trench samples plus one blank sample, one assay standard and one coarse reject duplicate sample.
8) In the event that bedrock could not be reached and chip samples could not be collected, representative float samples were collected from vein material. These float samples follow the same procedures as standard chip sampling.

Diamond Drilling

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

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

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

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

Drill core samples were collected using the following procedures:

1) Core was reassembled, lightly washed and measured.
2) Core was wet photographed.
3) Core was geotechnically logged.
4) Core was tested for magnetic susceptibility.
5) Core was geologically logged and sample intervals were designated. Sample intervals were set at geological boundaries, drill blocks or sharp changes in sulphide content.
6) Core recovery was calculated for each sample interval.
7) From 2010 and 2011, visually promising core intervals were sawn in half using a rock saw and the remainder of the core was split with an impact core splitter. In 2012, all visually promising core intervals were saw in half using a rock saw, while selected specimens of altered country rock were split using an impact core splitter. In 2014 and 2015 all marked samples were cut using a rock saw. In each case, one half of the core sampled and the remaining half was placed back in the core box.
8) All samples were double bagged in 6 mm plastic bags, a pre-numbered sample tag was placed in each sample bag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen. In 2012, 2014, and 2015 the fibreglass bag was sealed with a numbered security tag.
8) Two blank and two assay standard samples were randomly included in every batch of 30 or 31 core samples (in 2012, 2014 and 2015, batches comprised 30 core samples).
9) One duplicate sample consisting of quarter-split core was included in every batch of 30 or 31 core samples (in 2012 and 2015 batches comprised 30 core samples).
10) In 2012, 2014 and 2015 one coarse reject duplicate sample was also included in every batch of 30 core samples.

Re-sampling of percussion holes in 2016 followed the following procedures:

1) Percussion chip bags representing 5 foot intervals were opened and their contents transferred to 6 mm plastic sample bags. The whole contents of the bag were used due to the strong clay content of the chips.
2) Sample bags were taken to a local creek and gold-panned until a concentrate large enough to sample was collected, weighing between 40 and 80 grams.
4) Concentrate samples were double bagged in 6 mm plastic sample bags and a pre-numbered sample tag was placed in each sample bag. The samples were then placed in fiberglass bags sealed with a metal clasp and labelled with respective sample numbers in felt pen.
5) QAQC procedures were followed as per the sample techniques used during rock sampling.

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

weight in water. That data was applied to the following formula to establish the density of each of these samples:

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

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

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

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

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

ORIENTED CORE SURVEYS

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

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

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

HISTORICAL SAMPLE PREPARATION, ANALYSIS AND SECURITY

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

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

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

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

SAMPLE SECURITY

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

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

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

SAMPLE PREPARATION AND ANALYSIS

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

All 2010 to 2012 soil samples were dried and screened to -180 microns. All 2010 to 2015 rock, core and trench samples were dried, fine crushed to better than 70% passing -2 mm and then a

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

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

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

Soil samples collected in 2010 were analyzed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21) and for 35 other elements using aqua regia digestion and inductively coupled plasma-atomic emission spectrometry. Soil samples collected in 2011 and 2012, were analysed for gold by fire assay fusion and atomic absorption spectroscopy (Au-AA24) and for 35 other elements using aqua regia digestion and inductively coupled plasma-atomic emission spectrometry.

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

DATA VERIFICATION

Database

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

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

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

Collar Location

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

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

Down-hole Orientation

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

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

Assays

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

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

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

1) Sequentially pre-numbered sample tags: to identify each sample with a unique number to minimize the possibility of sample numbering errors and to ensure uniform collection of sample data.

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

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

APPENDIX IV

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE KL16107504

Project: Klaza

P.O. No.: Batch 7

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

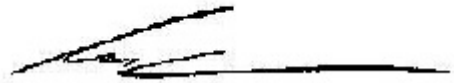
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 23-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS KL16107504

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292045		1.59	0.55	5.94	40.3	720	1.56	0.63	3.38	1.10	28.6	2.5	15	11.00	5.3	1.86
K292046		1.45	0.40	5.67	11.8	790	1.55	0.66	3.26	0.72	30.3	1.7	15	9.32	31.2	1.37
K292047		1.53	2.25	6.73	99.0	810	1.37	2.22	1.48	16.30	41.1	1.9	13	8.40	17.3	3.76
K292048		1.31	1.11	7.40	114.5	870	1.84	1.54	2.37	4.26	50.4	2.1	14	14.60	13.9	2.60
K292049		2.88	0.64	6.12	21.1	510	1.68	0.80	3.59	2.67	33.2	1.7	18	10.40	16.0	1.36
K292050		1.41	0.72	6.69	20.6	520	1.76	0.93	3.63	2.36	35.7	1.6	15	10.40	20.0	1.49
K292051		4.36	0.93	6.57	14.0	1430	1.52	0.80	3.17	7.51	37.7	1.2	11	8.22	12.9	1.71
K292052		1.31	2.04	6.72	198.0	1180	1.65	2.09	2.03	4.57	49.4	6.6	18	11.00	17.8	3.51
K292053		1.03	1.63	7.27	105.5	800	1.80	1.63	2.39	12.65	49.8	6.2	12	16.45	20.0	3.66
K292054		1.26	0.14	6.97	30.9	2780	1.85	0.15	2.49	0.31	40.0	5.9	12	13.00	4.8	2.68
K292055		1.81	0.93	6.59	77.1	1420	1.86	1.75	3.01	2.70	45.2	7.4	17	13.30	14.4	3.26
K292056		5.94	0.01	0.08	0.7	30	0.06	0.10	20.1	0.07	1.11	0.6	1	0.28	1.9	0.47
K292057		1.61	4.48	6.57	489	2350	1.16	6.54	2.06	24.2	39.2	6.0	10	15.50	52.7	2.51
K292058		3.91	0.03	6.23	10.9	1120	1.60	0.20	3.40	0.15	40.4	6.3	10	20.8	5.2	2.48
K292059		4.28	0.08	6.69	13.4	1560	1.64	0.14	3.50	0.12	44.8	6.7	10	19.95	6.5	2.41
K292060		3.54	0.11	6.80	16.0	2990	1.87	0.22	3.19	0.16	46.0	6.4	10	18.55	8.0	2.33
K292061		3.01	0.21	6.68	35.9	1630	1.59	0.59	1.98	0.65	37.2	6.8	14	12.65	9.0	2.59
K292062		<0.02	0.24	6.88	37.3	1640	1.67	0.55	2.02	0.65	39.4	7.5	15	13.20	9.1	2.61
K292063		1.46	0.55	6.26	38.1	1030	1.59	0.81	2.68	2.13	35.8	6.6	11	15.30	11.0	2.44
K292064		2.49	0.11	6.78	17.6	2210	1.74	0.11	2.45	0.15	38.4	6.1	16	11.75	3.8	2.46
K292065		3.21	0.11	6.37	12.5	2250	1.65	0.10	2.51	0.35	34.1	7.0	15	8.00	3.8	2.67
K292066		1.45	0.08	6.68	8.3	2400	1.49	0.05	2.33	0.23	39.6	6.7	15	7.33	4.3	2.69
K292067		1.18	0.44	7.49	38.4	2620	1.56	0.73	1.66	7.67	61.5	13.3	18	11.10	107.5	3.19
K292068		2.18	0.72	7.40	31.2	2200	1.57	1.18	0.78	2.79	41.3	8.9	14	14.40	84.8	3.07
K292069		1.34	0.72	8.12	36.9	1610	2.13	1.63	1.10	16.85	34.6	13.2	14	16.65	81.2	2.94
K292070		1.47	1.13	7.97	80.2	1520	1.84	1.98	0.11	1.17	27.4	5.4	15	15.15	282	2.81
K292071		0.26	11.50	6.27	1515	960	1.29	11.65	1.81	31.0	46.3	16.5	19	13.05	280	6.21
K292072		1.93	1.92	6.41	94.3	1220	1.13	3.60	0.05	0.71	38.5	8.1	15	15.40	113.5	2.49
K292073		2.75	0.82	1.71	31.3	670	0.58	1.49	0.02	0.15	10.05	5.3	50	2.90	45.1	1.18
K292074		6.16	0.01	0.07	0.2	60	0.08	0.03	20.2	0.07	1.27	0.7	3	0.49	1.8	0.48
K292075		1.93	0.62	7.73	31.1	5150	1.63	0.74	1.04	9.51	53.0	7.1	18	11.90	189.0	2.40
K292076		1.81	0.42	8.18	38.8	3210	1.77	0.57	1.16	3.07	51.0	8.3	12	12.60	137.0	3.57
K292077		1.28	0.22	7.75	20.0	2690	1.62	0.27	2.01	2.26	48.0	5.7	15	6.61	70.3	3.18
K292078		0.26	4.60	7.07	745	610	1.31	3.83	2.18	11.55	52.1	12.7	28	14.00	331	5.25
K292079		1.06	0.41	8.49	80.6	1670	1.25	1.13	0.45	0.30	58.6	7.2	14	10.00	44.3	3.04
K292080		1.35	0.22	8.46	31.4	2670	1.40	0.71	0.53	0.20	58.5	10.4	12	11.85	23.0	2.54

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

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VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS KL16107504

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292045		15.10	0.08	1.0	0.165	2.07	11.6	10.2	0.74	894	1.46	1.70	7.3	1.8	520	32.2
K292046		14.15	0.08	0.8	0.129	1.82	12.6	12.0	0.44	813	1.32	1.58	6.9	1.3	510	26.3
K292047		14.10	0.10	0.9	0.950	3.22	20.5	6.6	0.74	1560	1.29	0.04	6.0	1.3	440	192.5
K292048		15.80	0.09	1.1	0.250	3.31	24.2	8.9	0.82	1580	1.17	0.05	8.0	1.7	530	148.5
K292049		16.35	0.09	1.0	0.190	2.22	13.6	36.3	0.45	840	1.32	0.09	7.3	1.3	550	58.3
K292050		16.25	0.09	1.0	0.185	2.16	14.2	35.2	0.49	819	1.07	0.26	7.4	1.4	570	68.4
K292051		14.50	0.09	0.8	0.227	2.95	15.9	16.0	0.88	1250	0.74	0.06	5.0	1.1	440	274
K292052		15.55	0.07	1.0	0.188	2.94	26.5	16.3	0.71	1340	2.70	0.05	6.8	2.4	530	135.5
K292053		15.65	0.09	1.5	0.383	3.08	28.2	20.0	0.99	1380	1.42	0.05	7.5	2.8	590	236
K292054		16.45	0.10	0.9	0.083	3.10	20.0	63.4	0.50	888	1.44	0.31	7.6	2.0	570	20.2
K292055		14.95	0.09	1.2	0.096	2.55	22.5	19.3	0.94	876	2.04	0.75	7.0	3.2	530	87.8
K292056		0.26	0.14	<0.1	0.005	0.03	0.6	1.1	12.20	214	0.08	<0.01	0.2	1.7	140	1.4
K292057		14.80	0.10	1.1	0.358	2.81	20.6	35.1	0.51	439	1.44	0.70	7.0	2.0	540	226
K292058		17.30	0.09	3.3	0.030	2.45	20.6	23.5	0.98	555	0.59	0.65	9.0	3.9	700	14.5
K292059		17.45	0.09	3.5	0.028	2.41	23.2	36.1	1.00	595	1.53	0.11	9.1	3.9	710	22.4
K292060		17.60	0.09	3.3	0.034	2.45	23.9	46.6	0.92	621	1.61	0.05	9.2	3.6	710	24.8
K292061		15.35	0.08	0.9	0.058	2.91	18.9	33.2	0.63	590	1.71	0.77	6.7	2.7	530	22.8
K292062		15.75	0.07	0.9	0.053	2.96	20.5	36.7	0.65	600	1.93	0.77	6.9	2.9	540	22.8
K292063		14.90	0.08	1.1	0.067	2.46	18.1	15.7	0.77	684	1.40	1.29	6.9	2.4	530	77.1
K292064		15.10	0.10	0.8	0.031	2.86	19.5	17.2	0.58	597	1.75	1.85	7.0	2.3	520	17.9
K292065		15.05	0.08	0.9	0.033	2.57	16.7	19.1	0.64	702	1.77	2.16	7.0	2.3	530	39.2
K292066		15.80	0.12	1.0	0.033	2.63	19.5	15.9	0.64	702	1.94	2.39	7.9	4.0	560	26.0
K292067		16.60	0.14	1.1	0.118	2.73	35.3	5.5	0.73	675	1.26	2.00	8.2	2.9	630	119.0
K292068		15.75	0.11	1.1	0.288	2.97	22.6	6.3	0.55	348	0.99	1.20	6.9	2.3	570	105.5
K292069		16.80	0.12	1.1	0.308	3.60	15.9	7.9	0.39	1560	0.74	0.05	6.3	2.8	600	86.5
K292070		15.90	0.11	1.3	0.488	3.62	14.5	6.6	0.27	151	9.59	0.04	7.0	2.7	650	161.5
K292071		14.05	0.12	1.1	0.738	2.75	25.9	18.7	0.74	1720	8.59	0.12	6.2	11.6	510	1235
K292072		14.45	0.10	1.0	0.581	3.06	22.4	6.0	0.28	94	17.45	0.04	5.0	1.4	320	399
K292073		4.17	0.08	0.2	0.155	0.79	6.0	6.5	0.08	59	8.70	0.02	1.3	1.7	120	179.5
K292074		0.20	<0.05	<0.1	0.009	0.04	0.6	1.3	12.50	218	0.17	<0.01	0.2	2.4	180	3.4
K292075		16.65	0.14	1.4	0.169	4.15	28.9	10.3	0.78	494	1.89	0.64	8.8	3.2	670	310
K292076		16.85	0.13	1.2	0.102	3.10	27.5	9.3	0.90	513	2.13	1.39	8.8	3.5	700	139.5
K292077		17.20	0.11	1.2	0.061	2.61	25.6	6.7	0.74	403	3.00	2.29	8.4	3.4	650	48.6
K292078		15.55	0.11	1.1	0.303	3.13	30.4	26.9	0.82	1960	14.95	0.15	6.4	15.1	550	504
K292079		18.60	0.13	1.3	0.149	3.11	31.8	33.9	0.33	668	1.74	0.09	9.0	3.2	660	36.6
K292080		18.10	0.12	1.3	0.118	3.05	32.1	35.0	0.29	594	2.07	0.08	9.2	3.8	670	16.4

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

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS KL16107504

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292045		78.2	<0.002	0.47	4.66	8.3	1	3.3	256	0.61	0.11	8.70	0.234	1.89	3.2	59
K292046		80.1	<0.002	0.16	6.36	7.9	<1	2.4	250	0.53	0.24	8.67	0.215	1.63	2.7	54
K292047		198.5	<0.002	2.12	4.91	8.8	1	6.4	63.6	0.50	0.61	12.15	0.185	2.85	3.7	51
K292048		203	<0.002	0.96	6.53	9.5	1	4.5	101.0	0.77	0.15	13.85	0.224	3.26	4.8	57
K292049		88.2	<0.002	0.32	10.60	9.2	1	4.6	133.5	0.66	0.19	9.90	0.222	2.16	3.4	62
K292050		82.3	<0.002	0.34	10.80	9.9	1	4.6	146.0	0.64	0.26	10.35	0.228	2.03	3.7	63
K292051		114.5	0.002	0.21	10.10	7.7	1	4.9	110.5	0.42	0.21	10.20	0.166	2.64	3.5	49
K292052		123.0	<0.002	1.08	7.92	9.2	1	3.3	87.9	0.56	0.54	11.95	0.207	2.50	4.6	59
K292053		157.0	0.002	0.77	10.90	9.2	1	3.5	104.0	0.62	0.18	11.60	0.240	2.89	6.6	63
K292054		105.0	<0.002	0.23	7.17	9.9	<1	1.9	203	0.59	<0.05	10.50	0.236	2.09	4.4	64
K292055		111.5	<0.002	1.02	8.42	9.4	1	2.9	192.0	0.55	0.13	10.45	0.220	2.12	3.5	60
K292056		2.0	<0.002	<0.01	<0.05	0.2	<1	0.2	45.4	<0.05	<0.05	0.08	<0.005	0.02	0.6	2
K292057		88.2	<0.002	0.49	11.00	7.5	1	2.2	226	0.56	<0.05	9.83	0.220	1.50	2.5	59
K292058		60.9	<0.002	0.02	10.45	6.3	1	1.5	276	0.71	<0.05	7.20	0.272	1.45	3.9	67
K292059		60.7	<0.002	0.08	12.05	6.4	1	1.4	224	0.73	<0.05	7.74	0.271	1.47	5.2	67
K292060		69.1	<0.002	0.15	18.15	7.0	1	1.5	214	0.71	<0.05	8.22	0.271	1.65	5.6	68
K292061		95.9	<0.002	0.28	5.51	8.2	1	1.9	210	0.55	<0.05	9.68	0.216	1.71	2.6	61
K292062		102.0	<0.002	0.28	5.68	8.8	1	2.0	212	0.57	<0.05	10.40	0.221	1.69	2.8	62
K292063		83.0	<0.002	0.48	5.09	8.5	1	1.9	253	0.57	0.05	9.04	0.216	1.66	4.1	60
K292064		97.7	<0.002	0.08	2.87	9.1	1	1.5	316	0.54	<0.05	10.35	0.226	1.31	3.1	60
K292065		74.8	<0.002	0.05	2.24	8.7	1	1.6	342	0.56	<0.05	8.75	0.227	1.04	2.7	61
K292066		85.3	<0.002	0.03	1.80	9.6	1	1.5	362	0.61	<0.05	10.65	0.235	1.03	3.1	63
K292067		114.0	<0.002	0.81	2.69	11.2	1	2.7	279	0.63	0.18	13.90	0.254	1.47	3.9	71
K292068		151.5	<0.002	0.63	3.97	9.9	<1	3.0	141.5	0.57	0.11	14.35	0.222	2.43	3.6	66
K292069		189.5	<0.002	0.65	5.30	11.4	1	3.6	27.5	0.52	0.09	14.85	0.222	3.39	3.4	69
K292070		194.0	<0.002	0.34	8.35	11.9	1	4.5	16.2	0.59	0.18	15.80	0.210	3.39	5.8	73
K292071		161.5	0.002	4.46	58.8	9.1	2	7.2	92.6	0.51	1.08	12.10	0.196	2.54	5.2	59
K292072		171.5	<0.002	0.63	11.10	8.0	1	6.1	46.0	0.44	0.29	10.15	0.161	2.31	2.8	81
K292073		47.6	<0.002	0.27	19.35	2.1	<1	2.1	14.3	0.11	0.31	2.53	0.041	0.59	0.8	36
K292074		2.8	<0.002	0.01	0.06	0.2	<1	<0.2	49.4	<0.05	<0.05	0.13	<0.005	0.02	0.7	2
K292075		176.5	<0.002	0.48	6.25	12.3	1	2.7	166.5	0.75	0.23	14.90	0.255	2.69	5.2	78
K292076		130.0	<0.002	0.39	4.30	12.2	1	2.6	234	0.67	0.17	14.80	0.278	1.84	7.2	79
K292077		96.5	<0.002	0.14	3.22	11.1	1	2.2	393	0.66	0.08	13.60	0.258	1.21	3.3	70
K292078		178.0	0.004	2.84	29.1	10.1	1	5.6	113.0	0.54	0.34	13.00	0.213	2.67	5.6	69
K292079		154.5	<0.002	1.07	19.70	12.2	1	3.2	52.2	0.74	0.18	17.65	0.281	2.01	3.8	72
K292080		153.0	<0.002	0.72	10.25	12.9	1	3.4	57.8	0.74	0.18	17.25	0.276	1.98	2.8	68

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS KL16107504

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292045		2.1	11.1	128	30.8	0.037
K292046		1.3	9.6	112	21.5	0.010
K292047		5.2	9.3	1320	24.2	0.084
K292048		4.1	13.9	381	31.0	0.064
K292049		1.3	12.0	317	25.9	0.016
K292050		1.2	13.2	291	26.9	0.016
K292051		1.6	12.5	630	22.7	0.018
K292052		7.6	13.6	420	26.6	0.118
K292053		8.4	14.7	987	47.9	0.057
K292054		4.4	14.0	63	24.0	0.009
K292055		5.9	14.2	232	36.1	0.058
K292056		0.1	0.7	18	<0.5	<0.005
K292057		2.2	11.7	1700	31.9	0.059
K292058		1.1	12.2	66	119.0	<0.005
K292059		1.4	13.0	65	119.0	<0.005
K292060		2.1	13.8	66	117.5	<0.005
K292061		4.7	12.3	91	26.7	0.018
K292062		4.9	12.9	88	26.4	0.018
K292063		2.4	13.2	197	33.8	0.021
K292064		1.4	13.3	54	24.7	0.009
K292065		1.7	12.6	72	24.9	<0.005
K292066		1.0	14.5	69	29.5	<0.005
K292067		1.5	16.5	396	31.4	0.010
K292068		1.8	10.3	387	31.2	0.016
K292069		2.3	23.7	851	31.9	0.010
K292070		3.5	9.3	485	36.3	0.026
K292071		5.8	11.3	2270	27.9	0.815
K292072		5.3	6.1	165	28.0	0.088
K292073		1.2	1.4	60	6.4	0.190
K292074		0.1	0.8	19	<0.5	<0.005
K292075		2.4	15.8	496	37.3	0.027
K292076		1.6	15.2	475	34.0	0.017
K292077		1.7	17.0	188	37.0	0.006
K292078		5.9	12.9	911	32.1	0.343
K292079		6.1	17.7	70	38.9	0.064
K292080		5.2	17.4	59	37.1	0.018

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS KL16107504

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108378

Project: Klaza

P.O. No.: Batch 3

This report is for 28 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

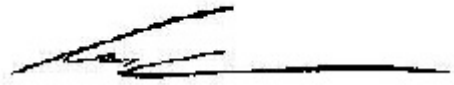
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108378

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Cu	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce
	Units	kg	ppm	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
K292701		1.52	23.0				1.395	43.0	4.36	4300	40	0.91	43.3	0.87	201	16.85
K292702		1.52						12.90	6.47	1755	270	1.46	26.7	1.45	15.15	47.9
K292703		1.38					1.415	54.0	6.39	3200	310	1.70	69.8	1.35	186.5	51.7
K292704		3.78						29.4	5.74	522	360	1.17	89.7	0.85	2.39	44.9
K292705		4.96						0.08	0.05	2.4	20	0.06	0.14	20.7	0.21	1.11
K292706		1.71						10.20	1.53	99.8	240	0.38	53.6	0.39	3.10	22.7
K292707		1.77						46.3	5.35	319	130	1.14	122.5	4.09	35.2	40.9
K292708		1.54						6.62	4.03	314	130	1.16	19.85	2.72	7.42	31.3
K292709		0.28						40.4	5.38	2360	100	1.19	36.6	1.61	42.4	34.6
K292710		1.59						8.97	3.98	485	70	1.20	22.0	1.92	8.71	17.80
K292711		1.76						1.78	6.18	173.5	320	1.46	4.42	1.21	5.19	91.3
K292712		3.03						5.40	3.69	518	190	1.07	4.83	4.41	34.1	31.6
K292713		2.33						4.33	5.44	828	410	1.07	0.30	2.49	20.4	36.2
K292714		0.15	14.00	134	2.82	2.47	15.70	>100	4.50	165.5	330	0.49	1.90	2.17	846	18.90
K292715		1.49						1.93	2.97	103.5	50	0.87	2.03	4.75	65.0	6.55
K292716		1.82				1.070		14.60	5.67	551	50	1.20	6.33	1.35	15.85	36.1
K292717		2.42						1.03	7.48	88.2	450	1.68	2.22	1.39	0.61	49.7
K292718		<0.02						1.08	7.53	104.5	290	1.65	2.40	1.35	0.46	48.5
K292719		1.15						2.46	3.33	166.0	40	0.81	4.39	4.51	15.75	16.70
K292720		0.83						6.95	3.42	396	60	0.87	14.65	1.82	44.3	24.4
K292721		1.26		167	2.55			>100	2.96	2840	40	0.81	274	2.70	45.0	30.6
K292722		0.96						10.10	6.59	1350	270	1.31	28.4	1.62	4.83	66.1
K292723		<0.02						9.17	6.65	1265	400	1.37	27.1	1.49	4.57	66.4
K292724		1.75						16.80	6.33	386	170	1.18	39.8	1.11	9.14	43.3
K292725		2.47						6.69	6.07	339	250	1.22	5.76	0.79	1.39	47.8
K292726		0.86						19.80	5.49	396	60	1.38	22.6	2.95	34.6	18.85
K292727		1.15						15.95	5.61	241	540	1.02	29.5	1.94	19.80	12.10
K292728		4.92						0.06	0.05	0.8	40	0.05	0.09	20.8	0.12	1.15

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Project: Klaza

CERTIFICATE OF ANALYSIS TR16108378

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05
K292701		33.5	9	4.54	743	13.00	10.35	0.07	0.6	3.02	2.27	7.4	7.6	0.41	1100	2.30
K292702		4.0	10	8.97	150.5	6.10	14.35	0.10	1.1	0.519	2.98	24.9	11.1	0.74	1790	1.19
K292703		4.9	7	16.70	1760	7.72	15.30	0.08	0.9	2.47	2.76	28.1	13.0	0.88	2380	1.74
K292704		6.2	11	7.60	2290	8.99	15.55	0.09	0.8	1.435	2.74	25.2	8.0	0.49	909	5.47
K292705		0.6	1	0.15	4.5	0.50	0.19	0.09	<0.1	0.006	0.02	0.5	1.0	12.75	221	0.22
K292706		22.4	17	2.37	223	2.86	4.44	0.05	0.2	0.212	0.70	17.4	7.5	0.18	713	17.35
K292707		15.1	7	9.72	732	5.62	12.70	0.08	0.7	1.690	2.46	23.2	11.8	1.69	3560	6.20
K292708		4.6	12	13.20	338	4.40	10.25	0.07	0.9	0.354	1.74	17.5	28.9	0.88	2080	14.75
K292709		16.7	21	8.83	1100	8.51	13.10	0.08	0.7	1.515	2.53	18.2	15.2	0.65	2150	16.75
K292710		20.0	6	4.53	689	12.90	11.55	0.08	0.5	0.709	1.88	8.3	10.3	1.03	1500	8.14
K292711		17.7	11	7.58	459	7.85	14.65	0.12	0.7	0.247	2.96	54.7	7.2	0.76	698	1.97
K292712		5.4	5	6.56	714	7.58	8.72	0.07	0.4	0.145	1.56	18.4	22.8	1.77	5850	8.25
K292713		8.7	9	10.25	22.6	5.44	11.10	0.08	0.9	0.160	2.52	20.5	22.3	0.86	9050	1.08
K292714		61.8	47	1.28	>10000	9.49	16.10	0.10	0.5	3.22	0.85	8.5	6.6	0.83	1680	159.5
K292715		4.1	9	4.98	96.2	5.21	7.51	<0.05	0.4	0.510	1.34	1.4	25.9	1.90	2690	7.72
K292716		6.5	9	7.30	105.5	9.77	14.10	0.09	0.7	0.165	2.89	18.7	7.7	0.68	1380	3.36
K292717		9.5	12	17.05	50.9	4.93	16.80	0.12	0.9	0.209	3.52	27.6	7.2	0.79	1020	1.23
K292718		11.5	13	16.05	43.7	5.38	16.90	0.12	0.9	0.197	3.60	26.7	7.2	0.77	931	1.42
K292719		7.8	6	4.73	94.1	5.87	8.06	0.09	0.4	0.196	1.52	5.1	33.9	0.59	1200	2.06
K292720		9.3	10	6.69	353	10.60	8.26	0.10	0.4	0.273	1.65	13.1	33.4	0.75	1860	16.65
K292721		15.4	6	6.96	>10000	13.00	8.41	0.11	0.3	16.90	1.37	16.8	22.2	0.83	2730	28.1
K292722		5.4	9	12.50	1120	6.89	16.05	0.13	0.8	1.070	3.25	35.7	12.4	0.72	1080	3.02
K292723		5.6	11	11.50	969	6.82	16.60	0.14	0.8	1.010	3.29	36.2	11.7	0.70	1000	3.15
K292724		8.2	10	5.82	1490	7.20	16.60	0.12	0.8	0.332	3.19	22.4	9.1	0.63	1330	17.05
K292725		5.6	16	6.60	2730	4.52	14.45	0.11	0.8	0.505	3.06	25.9	9.8	0.52	742	7.31
K292726		4.9	8	9.29	1380	6.34	10.80	0.11	0.4	0.473	2.50	5.0	14.7	1.44	1420	2.30
K292727		6.3	8	4.60	701	5.02	12.00	0.10	0.5	0.288	2.70	5.4	12.0	0.96	1000	18.75
K292728		0.6	1	0.15	5.6	0.49	0.17	0.07	<0.1	0.005	0.02	0.6	1.0	12.75	216	0.13

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

ALS Canada Ltd.

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

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108378

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
K292701		0.03	4.0	3.6	290	1955	106.5	<0.002	>10.0	44.0	5.5	4	10.2	30.9	0.32	1.59
K292702		0.04	6.2	2.1	450	802	176.5	<0.002	4.39	20.4	8.1	1	5.4	68.2	0.50	0.48
K292703		0.05	6.0	2.2	510	4380	136.0	<0.002	4.07	104.5	8.4	1	17.3	67.0	0.49	0.31
K292704		0.03	4.7	2.9	420	162.5	139.0	<0.002	9.14	42.7	7.5	8	18.0	58.1	0.38	5.86
K292705		<0.01	0.1	1.7	170	4.9	1.1	<0.002	<0.01	0.18	0.1	<1	<0.2	48.0	<0.05	<0.05
K292706		0.02	1.2	1.9	110	197.5	44.5	0.002	2.86	10.30	2.3	1	2.6	14.2	0.10	1.33
K292707		0.02	4.8	2.3	380	1405	133.0	<0.002	4.86	95.7	7.1	1	9.8	82.2	0.37	0.56
K292708		0.03	3.9	5.1	250	259	102.5	<0.002	3.77	147.5	5.1	<1	5.5	72.5	0.30	0.36
K292709		0.06	4.4	13.6	420	1555	141.0	0.002	7.38	102.5	7.5	1	10.4	59.9	0.35	0.66
K292710		0.04	1.5	2.3	540	314	116.5	<0.002	>10.0	44.0	7.8	4	9.4	58.9	0.12	0.95
K292711		0.06	2.0	3.3	380	86.8	158.0	<0.002	6.91	5.85	8.5	3	12.5	33.8	0.18	0.69
K292712		0.02	2.4	2.2	290	723	78.7	<0.002	6.31	86.8	4.9	1	7.8	63.5	0.20	0.49
K292713		0.02	5.0	2.5	440	1030	151.5	<0.002	3.42	38.9	8.2	<1	1.6	106.0	0.38	<0.05
K292714		1.11	2.1	18.7	570	>10000	28.7	0.073	>10.0	185.5	10.8	10	19.3	216	0.13	0.52
K292715		0.03	1.8	2.0	180	373	67.3	<0.002	4.04	21.8	4.5	<1	8.0	112.5	0.16	0.33
K292716		0.04	3.8	2.4	430	>10000	174.0	<0.002	>10.0	43.7	7.3	1	11.1	31.6	0.32	0.39
K292717		0.04	5.4	2.8	560	53.2	192.5	<0.002	3.16	17.20	9.6	1	11.0	52.5	0.45	0.24
K292718		0.05	5.1	2.8	570	53.6	191.0	<0.002	3.97	14.15	9.7	1	12.8	48.3	0.40	0.38
K292719		0.03	1.9	2.3	240	214	90.0	<0.002	5.82	52.6	4.2	1	8.8	114.0	0.16	0.61
K292720		0.03	1.7	3.6	220	887	95.4	0.004	>10.0	153.0	4.6	2	9.3	42.7	0.14	1.06
K292721		0.02	1.5	2.8	200	1050	82.6	<0.002	>10.0	2590	3.8	5	32.7	42.7	0.13	2.62
K292722		0.07	5.2	2.5	460	107.5	161.0	<0.002	6.28	83.9	8.4	1	12.0	56.7	0.43	0.64
K292723		0.07	5.3	2.8	470	100.5	169.5	<0.002	6.29	74.7	8.5	1	12.3	51.5	0.42	0.64
K292724		0.04	3.8	2.6	460	657	209	<0.002	7.51	143.5	8.3	5	15.5	22.0	0.34	5.19
K292725		0.03	4.8	2.2	410	72.9	187.5	<0.002	4.16	311	7.7	1	13.4	19.7	0.38	0.81
K292726		0.03	2.0	2.6	380	2000	116.0	<0.002	5.62	112.0	6.9	2	6.4	322	0.18	0.72
K292727		0.06	1.6	1.9	370	7710	132.5	0.006	4.41	85.2	6.6	3	11.9	37.3	0.14	2.16
K292728		<0.01	0.1	1.5	150	11.3	1.1	<0.002	0.01	0.39	0.1	<1	0.2	52.2	<0.05	<0.05

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

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108378

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292701		5.00	0.134	1.64	2.2	40	4.9	5.5	>10000	14.5	>10.0
K292702		11.85	0.199	2.63	4.3	54	6.7	11.1	1170	37.3	0.629
K292703		12.15	0.189	2.41	3.5	55	15.0	11.8	>10000	28.6	0.767
K292704		9.71	0.149	2.21	3.2	51	12.6	9.0	209	27.3	0.801
K292705		0.23	<0.005	<0.02	3.2	2	0.1	0.7	28	<0.5	<0.005
K292706		2.20	0.043	0.68	0.6	22	2.7	2.5	278	5.0	0.104
K292707		8.29	0.155	2.53	4.0	51	5.3	11.2	2810	21.8	0.410
K292708		5.84	0.120	1.57	12.6	38	5.5	9.3	575	34.6	0.709
K292709		7.45	0.156	2.03	4.9	53	6.6	8.4	3110	23.2	1.655
K292710		11.10	0.055	1.30	6.4	36	6.1	8.0	973	11.9	0.645
K292711		9.58	0.086	1.82	6.1	59	4.7	10.9	358	20.3	1.750
K292712		5.19	0.082	1.52	5.4	35	6.0	11.4	2210	11.8	0.665
K292713		10.20	0.190	2.05	5.2	57	2.1	9.4	1790	26.4	0.421
K292714		1.52	0.174	7.40	2.1	123	7.6	12.7	>10000	10.5	>10.0
K292715		2.71	0.061	0.96	3.7	33	3.4	7.6	5160	11.3	0.210
K292716		9.01	0.133	2.37	2.5	50	9.1	7.2	1300	20.9	0.489
K292717		13.25	0.195	2.99	4.4	65	4.9	9.8	101	25.9	0.540
K292718		13.25	0.187	2.85	4.6	67	4.9	9.4	88	26.6	0.157
K292719		3.22	0.069	1.21	7.8	31	5.5	8.9	1360	10.6	0.893
K292720		5.40	0.065	1.34	8.0	32	4.9	6.3	3740	11.2	0.873
K292721		4.64	0.053	1.68	4.7	26	6.1	5.9	3380	10.3	2.80
K292722		11.80	0.183	2.33	6.2	58	9.8	12.1	357	24.8	2.11
K292723		12.20	0.185	2.36	6.0	58	10.4	10.6	336	25.5	1.855
K292724		12.80	0.137	1.88	6.4	58	10.5	11.4	744	25.9	3.77
K292725		10.90	0.157	2.58	2.8	52	12.3	7.1	188	26.6	0.306
K292726		6.15	0.090	2.25	3.8	47	5.5	11.0	3030	12.1	0.357
K292727		7.12	0.075	1.31	4.7	49	6.6	5.6	1510	13.1	0.321
K292728		0.09	<0.005	<0.02	0.7	2	0.1	0.8	22	<0.5	<0.005

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

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

Project: Klaza

Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108378

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Ag-OG62	Au-AA24	Au-GRA22	Cu-OG62
ME-MS61	ME-OG62	Pb-OG62	Zn-OG62

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108379

Project: Klaza

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

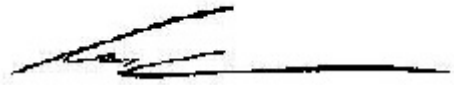
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108379

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K290401		1.55	0.14	5.29	2.7	1580	0.86	0.47	5.28	0.32	32.4	5.2	8	6.54	3.5	2.36
K290402		1.32	0.30	8.02	11.2	9160	1.68	1.77	2.56	0.48	46.6	8.4	8	14.15	3.2	3.05
K290403		1.06	4.64	7.39	74.3	1080	1.64	5.56	5.76	8.89	41.5	11.2	9	13.80	10.7	5.15
K290404		2.00	0.25	6.53	6.2	1920	1.27	0.40	5.69	1.36	39.9	6.6	9	8.03	3.3	2.86
K290405		1.11	15.85	7.50	522	1100	1.38	0.42	1.55	30.9	49.4	7.9	10	12.25	28.0	4.19
K290406		6.10	0.03	0.06	0.6	20	0.06	0.05	20.5	0.10	1.12	0.6	1	0.16	3.3	0.49
K290407		1.45	1.24	6.96	179.5	1100	1.33	0.33	3.11	4.35	40.1	8.2	12	7.97	8.6	3.79
K290408		1.69	0.20	6.67	4.5	2240	1.30	0.31	3.61	0.61	42.5	6.5	9	8.49	3.5	2.96
K290409		0.30	4.37	6.45	711	330	1.38	2.96	2.09	10.50	47.2	11.5	25	13.85	305	4.87
K290410		1.97	0.83	6.30	11.4	1600	1.40	0.85	3.61	0.91	37.4	8.4	10	8.31	4.8	3.36
K290411		1.49	0.10	6.65	2.2	1900	1.32	0.23	3.50	0.24	40.1	7.9	9	7.21	1.7	3.08
K290412		1.60	0.56	7.07	149.5	870	1.37	0.37	3.05	2.09	40.4	7.9	11	14.45	4.5	3.05
K290413		1.79	7.93	4.64	498	430	0.97	0.47	4.34	46.5	30.7	8.4	8	7.51	127.0	3.87
K290414		2.22	0.32	6.33	13.6	760	1.22	0.47	2.93	0.30	45.3	6.9	9	8.08	4.5	2.85
K290415		1.46	0.27	4.88	2.6	810	0.87	0.95	3.05	0.29	35.2	5.9	11	4.62	2.9	2.09
K290416		1.54	0.05	8.20	4.2	2070	1.60	0.09	1.11	0.18	35.3	6.5	11	11.30	5.9	3.31
K290417		<0.02	0.06	8.93	4.0	2210	1.60	0.10	1.20	0.17	52.0	6.8	10	11.45	6.1	3.12
K290418		1.65	0.20	7.59	4.2	2140	1.58	0.10	3.07	0.74	42.6	7.5	9	15.45	4.7	3.11
K290419		2.28	3.88	7.17	39.1	1110	1.91	0.10	5.15	23.9	39.0	8.0	7	41.3	22.0	3.63
K290420		1.21	0.07	7.72	3.7	470	1.75	0.06	1.59	0.12	54.3	6.4	11	10.55	3.2	2.88
K290421		1.90	0.49	6.64	8.1	500	1.42	0.09	3.53	0.47	45.3	10.1	10	8.58	3.4	3.61
K290422		2.15	0.02	6.75	2.9	4870	1.37	0.13	3.16	0.05	39.2	7.3	10	8.31	2.4	3.02
K290423		5.98	0.07	0.11	<0.2	20	0.07	0.18	21.2	0.07	1.25	0.8	1	0.53	50.4	0.53
K290424		3.57	0.08	6.85	9.4	1560	1.18	0.17	3.04	0.09	48.1	7.1	10	8.87	4.7	2.94
K290425		2.31	1.30	7.32	123.0	690	1.26	0.28	3.27	4.15	51.8	8.2	9	9.89	20.4	3.15
K290426		1.09	1.75	6.78	139.0	720	1.32	0.16	3.24	2.01	47.1	7.9	9	8.98	21.6	3.08
K290427		2.99	1.39	7.71	180.0	710	1.50	0.85	1.67	7.14	49.3	7.8	8	9.98	2.2	3.46
K290428		2.39	0.15	7.21	14.7	1250	1.46	0.53	2.66	0.15	68.8	6.4	10	11.15	1.4	2.88
K290429		3.95	0.10	7.11	29.6	1460	1.42	0.21	3.39	0.17	48.8	8.2	12	11.90	2.6	3.01
K290430		2.01	0.15	6.67	3.5	1360	1.34	0.18	3.13	0.09	40.7	7.5	13	7.31	26.3	2.78
K290431		0.29	11.30	6.54	1565	280	1.49	12.95	1.91	31.3	44.7	18.4	19	14.00	284	6.47
K290432		1.99	0.07	6.94	2.7	900	1.42	0.13	3.12	0.09	45.3	7.9	11	7.59	7.6	2.97
K290433		2.92	0.12	6.97	3.9	650	1.53	0.15	3.28	0.17	46.1	9.6	12	8.96	2.3	3.56
K290434		1.83	1.83	6.45	37.3	560	1.37	0.31	3.05	28.4	47.6	8.0	9	8.38	27.6	3.14
K290435		2.01	0.08	7.49	4.0	610	1.60	0.14	3.06	0.21	49.7	8.3	11	10.75	1.8	3.28
K290436		1.87	0.21	5.78	10.3	470	1.14	0.14	3.54	2.60	40.1	7.0	7	13.40	8.4	2.84

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

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108379

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K290401		11.15	0.12	0.8	0.032	2.37	17.9	20.1	0.57	1060	0.28	0.08	4.9	2.0	430	8.8
K290402		20.2	0.15	1.4	0.093	4.09	23.7	20.8	0.63	1820	0.98	0.29	8.2	2.9	580	15.8
K290403		21.0	0.12	1.1	0.179	3.56	22.1	38.4	0.97	2420	1.60	0.04	6.9	3.9	630	562
K290404		14.50	0.12	1.0	0.052	2.91	19.2	30.1	0.58	1720	0.49	0.18	7.5	2.3	660	12.0
K290405		14.45	0.13	1.0	0.819	3.60	27.1	13.7	0.61	1570	0.86	0.06	6.7	2.9	600	2130
K290406		0.21	0.10	<0.1	0.006	0.02	0.6	1.0	12.55	220	0.09	<0.01	0.1	1.6	150	3.4
K290407		14.85	0.14	1.0	0.065	2.84	19.5	32.7	0.67	1400	0.62	0.28	7.2	3.0	670	113.5
K290408		14.55	0.15	1.0	0.037	2.50	21.3	14.3	0.56	1090	0.37	1.28	7.2	2.5	640	12.0
K290409		14.60	0.10	1.0	0.317	2.96	26.1	23.0	0.75	1850	13.80	0.15	5.8	14.2	500	459
K290410		15.95	0.12	0.9	0.038	2.29	19.0	46.9	1.18	1190	0.33	0.89	6.2	3.0	580	69.3
K290411		14.25	0.10	0.9	0.035	2.22	21.2	16.5	1.24	1020	0.15	1.33	6.5	2.8	600	11.8
K290412		14.65	0.13	1.0	0.088	2.90	20.5	18.7	1.04	1280	0.26	0.33	7.1	3.1	640	76.8
K290413		10.25	0.10	0.6	1.260	2.20	16.5	15.9	1.32	2580	0.42	0.02	4.4	2.9	390	2190
K290414		13.65	0.13	0.9	0.040	2.48	24.6	38.7	1.11	1340	0.18	0.04	6.3	2.5	550	23.7
K290415		10.60	0.11	0.7	0.041	1.68	18.8	53.6	1.00	1080	0.37	0.06	4.7	2.6	480	12.2
K290416		16.55	0.11	1.2	0.047	2.62	17.1	33.5	0.52	398	0.56	0.16	8.3	3.2	710	15.9
K290417		17.20	0.12	1.2	0.045	2.73	27.8	35.1	0.58	395	0.40	0.18	8.5	2.4	760	15.7
K290418		16.10	0.14	1.1	0.058	2.54	22.2	27.4	0.97	807	0.34	0.09	6.9	2.8	600	39.6
K290419		15.40	0.14	0.8	1.000	3.00	21.9	19.1	1.62	1520	0.16	0.06	5.0	2.6	420	1465
K290420		14.50	0.12	1.1	0.046	2.42	28.2	30.1	0.71	805	0.66	0.62	7.7	2.6	690	12.3
K290421		13.45	0.12	1.0	0.035	2.16	23.2	23.0	1.14	1400	0.35	0.83	6.7	2.8	600	57.8
K290422		14.85	0.14	1.1	0.033	2.57	20.1	14.0	0.74	855	0.26	1.97	6.6	2.6	580	11.8
K290423		0.31	0.12	<0.1	0.006	0.03	0.6	1.2	13.05	228	0.12	0.01	0.2	2.2	170	1.6
K290424		13.15	0.17	1.3	0.033	2.74	25.8	45.1	0.84	1360	0.37	0.44	6.8	2.8	560	15.0
K290425		14.25	0.13	1.1	0.048	3.63	28.3	5.6	1.12	5130	1.12	0.02	7.1	4.5	610	139.0
K290426		13.45	0.11	1.1	0.041	3.45	25.3	4.8	1.07	5270	0.93	0.02	6.7	2.9	570	82.7
K290427		16.25	0.11	1.4	0.083	4.12	26.6	8.1	0.76	5590	0.14	0.03	7.4	3.0	640	289
K290428		14.95	0.15	1.7	0.036	3.54	39.8	23.1	1.02	1230	0.25	0.03	7.0	2.6	480	23.6
K290429		14.35	0.14	1.2	0.038	3.00	25.6	28.4	1.04	1640	0.16	0.30	7.3	2.7	630	19.9
K290430		15.05	0.12	1.2	0.041	2.65	20.8	13.3	0.65	785	0.24	1.21	7.0	3.0	620	9.5
K290431		14.25	0.11	1.0	0.798	2.89	23.4	19.1	0.77	1780	8.53	0.12	6.0	12.0	520	1280
K290432		14.45	0.13	1.2	0.036	2.64	23.5	16.8	0.65	756	0.17	1.18	7.0	2.9	630	7.7
K290433		15.05	0.13	1.3	0.049	3.17	23.8	29.6	1.04	1280	0.14	0.59	7.6	3.0	650	8.6
K290434		14.85	0.12	1.0	0.348	3.20	26.4	26.8	0.97	1480	0.23	0.05	5.9	2.5	530	1110
K290435		16.05	0.14	1.5	0.052	3.35	25.8	38.1	1.15	1180	0.19	0.04	7.9	2.7	680	9.6
K290436		12.25	0.12	1.0	0.040	2.67	22.4	33.5	1.25	1280	0.13	0.03	5.4	2.2	430	134.5

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108379

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K290401		119.5	<0.002	0.08	5.01	7.4	<1	1.1	149.5	0.40	<0.05	6.19	0.183	1.13	3.2	56
K290402		155.5	<0.002	0.28	6.05	9.5	1	1.5	242	0.88	<0.05	17.70	0.268	1.80	3.0	102
K290403		157.5	<0.002	1.13	12.45	10.4	1	3.6	131.5	0.55	<0.05	11.55	0.266	1.86	10.2	119
K290404		100.5	<0.002	0.20	5.84	10.4	<1	1.7	144.5	0.60	<0.05	10.20	0.292	1.63	3.0	77
K290405		182.5	<0.002	1.35	18.85	11.0	<1	8.2	52.9	0.55	<0.05	12.40	0.269	2.19	3.1	77
K290406		1.2	<0.002	<0.01	0.14	0.2	<1	<0.2	52.4	<0.05	<0.05	0.08	<0.005	<0.02	0.6	2
K290407		112.0	<0.002	0.21	7.77	12.7	<1	2.3	85.9	0.56	<0.05	9.90	0.311	1.55	2.7	97
K290408		99.8	<0.002	0.11	3.70	10.8	<1	1.4	169.0	0.58	<0.05	10.35	0.283	1.25	2.3	82
K290409		142.5	0.005	2.66	28.9	8.6	1	5.6	108.0	0.47	0.32	11.10	0.199	2.37	4.6	65
K290410		88.5	<0.002	0.34	4.55	9.7	1	1.5	205	0.51	0.05	8.86	0.245	1.21	4.8	102
K290411		94.9	<0.002	0.07	2.55	10.4	<1	1.4	201	0.52	<0.05	10.85	0.256	1.12	1.7	78
K290412		115.0	<0.002	0.18	5.31	10.9	<1	1.9	132.0	0.59	<0.05	11.35	0.281	2.01	5.7	81
K290413		126.5	<0.002	1.82	35.6	7.4	<1	4.3	90.3	0.36	<0.05	6.40	0.167	1.46	8.2	51
K290414		130.5	<0.002	0.11	6.43	9.8	<1	1.2	101.5	0.59	<0.05	11.95	0.233	1.47	5.0	81
K290415		83.4	<0.002	0.02	7.28	8.3	<1	1.1	100.5	0.39	<0.05	6.49	0.190	0.89	1.7	60
K290416		82.4	<0.002	0.02	7.87	12.3	<1	1.7	189.0	0.65	<0.05	12.10	0.317	0.97	1.6	80
K290417		94.2	<0.002	0.03	8.05	12.6	<1	1.7	202	0.69	<0.05	15.20	0.333	1.00	1.8	83
K290418		86.9	<0.002	0.09	9.52	10.3	<1	1.7	230	0.58	<0.05	12.05	0.269	1.16	2.8	90
K290419		123.5	<0.002	0.99	11.60	7.7	<1	4.4	284	0.40	<0.05	8.18	0.191	1.59	11.5	95
K290420		93.8	<0.002	0.06	6.69	12.0	<1	1.6	186.5	0.63	<0.05	14.30	0.302	1.26	1.8	82
K290421		71.7	<0.002	0.21	6.34	10.0	<1	1.8	199.5	0.55	<0.05	11.05	0.264	1.20	3.1	74
K290422		97.4	<0.002	0.10	3.88	9.9	<1	1.4	331	0.48	<0.05	11.10	0.264	1.29	3.0	77
K290423		1.9	<0.002	<0.01	0.07	0.3	<1	<0.2	52.9	<0.05	<0.05	0.14	0.007	0.02	0.5	3
K290424		128.0	<0.002	0.08	9.79	9.4	<1	1.5	195.5	0.59	<0.05	16.25	0.244	1.76	4.3	69
K290425		226	<0.002	0.51	15.85	11.0	<1	1.6	94.6	0.57	<0.05	13.75	0.269	2.69	4.8	78
K290426		190.0	<0.002	0.39	17.25	9.8	<1	1.4	87.3	0.56	<0.05	12.05	0.259	2.53	4.9	73
K290427		215	<0.002	0.99	12.65	11.5	<1	1.7	80.3	0.60	<0.05	15.00	0.283	2.72	5.8	92
K290428		192.0	<0.002	0.07	4.87	8.8	<1	1.4	126.0	0.66	<0.05	20.4	0.218	2.45	5.8	76
K290429		136.5	<0.002	0.07	6.84	11.1	<1	1.5	188.5	0.59	<0.05	13.15	0.267	2.21	4.1	77
K290430		118.5	<0.002	0.08	5.55	10.5	<1	1.4	174.5	0.61	<0.05	12.15	0.270	1.37	4.6	89
K290431		159.0	<0.002	4.60	65.3	8.9	1	8.0	94.9	0.49	1.23	11.65	0.203	2.50	4.8	62
K290432		118.0	<0.002	0.04	2.21	10.8	<1	1.4	175.0	0.63	<0.05	13.40	0.268	1.26	4.3	86
K290433		125.0	<0.002	0.17	3.69	11.3	<1	1.6	149.5	0.70	<0.05	13.75	0.289	1.70	3.7	85
K290434		179.0	<0.002	0.88	6.79	9.9	<1	7.4	111.0	0.52	<0.05	12.70	0.226	1.86	3.9	86
K290435		145.0	<0.002	0.15	4.72	12.6	<1	1.8	152.0	0.76	<0.05	15.10	0.294	1.91	3.9	89
K290436		139.5	<0.002	0.17	10.70	8.1	<1	1.9	145.0	0.51	<0.05	11.50	0.195	1.56	3.1	63

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Finalized Date: 25-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS TR16108379

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K290401		1.4	12.1	69	23.5	<0.005
K290402		2.7	13.5	122	41.2	0.005
K290403		2.6	19.7	680	31.6	<0.005
K290404		1.6	14.9	143	29.9	<0.005
K290405		1.6	13.2	2470	28.2	<0.005
K290406		0.1	0.8	23	<0.5	<0.005
K290407		2.9	13.1	490	26.8	<0.005
K290408		1.2	12.9	119	29.2	<0.005
K290409		5.2	12.1	853	31.4	0.350
K290410		1.9	11.6	166	23.3	<0.005
K290411		1.6	11.8	118	25.0	<0.005
K290412		2.7	11.7	294	26.1	<0.005
K290413		1.3	12.6	5180	15.0	0.034
K290414		1.6	12.9	131	24.6	<0.005
K290415		1.2	9.1	121	17.0	<0.005
K290416		3.3	11.1	81	32.7	<0.005
K290417		3.4	14.4	85	33.6	<0.005
K290418		2.7	14.4	117	30.1	<0.005
K290419		1.4	12.7	2010	23.0	0.007
K290420		1.4	13.9	82	32.9	<0.005
K290421		1.1	14.1	111	28.7	<0.005
K290422		1.8	12.1	62	34.7	<0.005
K290423		0.1	0.8	21	0.7	<0.005
K290424		1.8	12.7	61	36.8	<0.005
K290425		2.6	17.8	412	32.7	<0.005
K290426		2.2	17.4	207	31.4	0.005
K290427		2.4	13.3	648	46.5	0.020
K290428		1.5	14.0	84	51.3	<0.005
K290429		1.9	13.6	86	35.0	<0.005
K290430		1.8	9.2	74	33.8	<0.005
K290431		5.7	12.0	2360	31.0	0.843
K290432		1.5	10.3	75	34.1	<0.005
K290433		2.0	12.7	99	35.5	<0.005
K290434		1.7	12.6	2670	28.6	<0.005
K290435		2.0	13.9	91	37.0	<0.005
K290436		1.5	11.6	253	28.0	<0.005

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CERTIFICATE OF ANALYSIS TR16108379

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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

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

Finalized Date: 24-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108380

Project: Klaza

P.O. No.: Batch 8

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

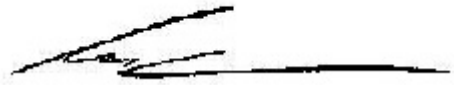
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108380

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292081		1.33	1.06	7.59	159.0	480	1.48	3.78	1.10	1.37	56.5	9.4	8	13.00	23.5	5.15
K292082		2.44	0.53	8.47	66.8	1420	1.54	1.08	0.54	4.57	57.5	11.9	9	16.55	57.5	3.32
K292083		1.00	16.35	4.10	940	190	1.18	24.0	0.41	18.85	35.5	8.4	10	8.94	1605	8.47
K292084		6.08	0.02	0.05	1.2	20	<0.05	0.04	20.6	0.10	1.01	0.7	1	0.15	3.3	0.51
K292085		1.58	2.29	7.88	2350	730	1.74	4.22	0.92	3.90	54.1	9.1	9	18.05	203	5.06
K292086		3.93	1.35	7.82	859	960	1.54	2.77	1.26	5.70	52.0	8.0	10	13.70	177.5	4.47
K292087		1.22	0.32	8.07	22.5	3490	1.53	0.61	1.01	1.90	57.3	4.1	10	14.65	18.5	4.01
K292088		0.35	11.75	6.49	1445	670	1.39	12.15	1.84	31.4	43.3	17.4	19	12.50	276	6.37
K292089		1.33	2.22	7.56	219	830	1.53	3.37	0.97	6.12	65.8	41.1	8	15.40	335	5.19
K292090		3.12	0.70	1.34	51.4	400	0.47	1.16	0.88	2.79	8.72	15.2	21	1.67	27.7	2.28
K292091		2.58	1.96	6.97	147.5	870	1.52	3.39	0.53	16.20	43.0	19.4	10	10.50	130.0	4.32
K292092		1.39	2.10	5.91	197.5	640	1.40	4.14	0.38	2.89	45.1	11.8	10	7.89	150.5	3.86
K292093		1.27	0.54	6.10	22.6	1100	1.52	1.10	0.22	1.76	101.0	4.2	6	11.25	15.1	1.57
K292094		1.62	1.05	7.90	66.9	1640	1.57	2.21	0.79	2.34	68.2	6.1	12	12.15	101.0	3.21
K292095		0.74	2.19	7.52	75.6	1540	1.50	4.07	0.73	1.74	63.7	5.4	8	11.75	156.0	3.24
K292096		1.31	1.81	8.04	136.0	2120	1.42	2.63	0.81	1.38	59.0	4.8	9	12.35	242	3.79
K292097		1.26	0.21	7.54	12.0	2350	1.52	0.64	2.39	1.21	50.4	7.1	12	10.75	15.8	2.86
K292098		1.20	0.22	6.99	16.9	2120	1.51	0.85	2.54	0.17	50.8	4.7	11	12.90	17.4	2.61
K292099		1.22	2.97	7.09	133.0	450	1.45	3.78	1.69	0.68	53.0	15.3	9	11.05	295	5.34
K292100		1.68	0.47	7.37	15.5	1800	1.66	1.08	2.34	2.76	59.0	20.6	12	14.45	11.7	2.74
K292101		2.41	0.21	7.19	9.1	1890	1.50	0.61	2.37	0.20	47.5	7.0	13	11.45	19.7	2.89
K292102		1.26	1.13	7.43	25.5	1770	1.61	1.80	2.58	0.47	53.0	6.7	11	16.50	175.0	3.01
K292103		0.28	4.48	6.33	704	450	1.38	3.20	2.06	10.25	40.4	11.4	26	11.85	319	4.88
K292104		1.81	0.48	6.95	70.8	930	1.54	0.86	3.60	4.04	56.6	8.3	9	24.8	17.5	3.17
K292105		1.71	0.95	7.16	50.3	1390	1.43	1.51	2.51	1.65	74.8	9.3	10	18.45	38.3	3.14
K292106		2.24	15.10	6.52	574	80	1.35	50.6	0.41	6.99	47.3	5.8	9	24.9	667	10.85
K292107		1.66	3.02	7.28	417	450	1.55	8.56	0.81	2.59	50.8	7.4	11	11.45	328	6.12
K292108		5.18	3.57	7.36	209	660	1.51	4.96	1.85	2.02	54.0	7.0	10	18.15	470	4.24
K292109		6.23	0.02	0.09	0.6	20	0.08	0.05	21.4	0.08	1.13	0.8	1	0.36	3.1	0.57
K292110		5.28	0.24	8.23	25.6	2320	1.15	0.89	0.60	0.72	54.0	5.5	10	14.20	13.9	2.78
K292111		2.09	1.06	7.65	92.1	1070	1.72	3.45	1.67	1.84	54.6	9.4	10	22.4	127.5	3.58
K292112		1.77	1.06	7.62	126.0	960	1.69	2.52	1.70	1.97	56.6	4.3	11	28.7	57.6	3.25
K292113		1.63	0.38	7.57	43.9	1550	1.24	1.39	1.13	0.23	49.9	6.3	11	16.10	28.1	3.19
K292114		<0.02	0.39	7.76	41.2	1610	1.37	1.47	1.11	0.21	50.0	6.4	10	18.00	27.4	3.07
K292115		0.87	0.38	7.64	26.0	2270	1.24	1.13	1.30	0.19	44.5	5.5	9	14.35	76.0	2.84
K292116		1.41	0.14	6.78	13.5	1350	1.60	0.85	2.35	0.34	55.0	4.3	11	18.15	10.0	3.34

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

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108380

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292081		16.05	0.14	1.2	0.167	3.31	30.2	16.1	0.57	668	1.68	0.06	5.9	2.8	550	78.1
K292082		17.25	0.14	1.2	0.135	3.19	30.5	31.0	0.34	1570	1.70	0.08	7.5	3.4	680	26.3
K292083		9.36	0.12	0.6	1.080	1.81	18.2	31.1	0.30	819	11.65	0.03	3.0	2.6	360	402
K292084		0.18	0.05	<0.1	0.006	0.02	0.5	1.0	12.95	220	0.09	<0.01	0.1	1.4	150	1.8
K292085		17.00	0.13	1.2	0.292	3.07	29.4	20.4	0.59	1220	1.44	0.04	7.1	2.6	600	116.5
K292086		16.40	0.12	1.3	0.208	3.77	28.1	9.9	0.57	833	1.83	0.29	6.5	2.3	540	99.0
K292087		17.10	0.12	1.1	0.115	2.81	31.2	18.7	0.50	1250	0.76	0.44	6.9	2.9	600	61.9
K292088		14.70	0.15	1.0	0.750	2.80	21.2	18.6	0.76	1710	8.61	0.12	5.6	11.2	510	1270
K292089		15.95	0.15	0.9	0.543	3.21	35.2	14.8	0.55	1020	6.94	0.05	6.1	5.0	560	203
K292090		2.92	0.08	0.2	0.077	0.54	4.8	7.3	0.31	408	4.83	0.02	0.9	1.3	80	118.5
K292091		15.35	0.13	1.3	0.494	2.86	22.2	22.4	0.51	812	0.93	0.03	6.0	2.4	450	326
K292092		12.30	0.12	2.1	0.222	2.62	23.1	9.6	0.35	379	1.08	0.04	5.7	1.6	210	101.5
K292093		10.85	0.13	3.5	0.140	2.13	61.2	11.9	0.21	247	1.46	0.71	5.9	1.1	40	54.6
K292094		16.60	0.14	2.3	0.152	2.91	38.1	14.8	0.37	553	2.74	0.35	8.3	1.9	480	41.2
K292095		16.35	0.10	1.9	0.189	2.97	36.0	12.8	0.38	547	2.47	0.30	8.5	7.2	430	52.2
K292096		18.25	0.09	1.5	0.198	3.03	32.5	16.4	0.31	738	1.40	0.10	8.5	2.8	560	37.6
K292097		16.15	0.08	1.2	0.106	2.71	27.4	10.7	0.78	453	0.81	2.32	7.6	2.7	550	36.2
K292098		15.55	0.11	1.1	0.110	2.63	27.1	8.9	0.73	424	0.88	1.86	7.2	2.2	520	17.7
K292099		16.90	0.09	1.1	0.280	3.24	29.1	9.6	0.78	416	128.5	0.68	6.2	2.4	640	52.9
K292100		15.70	0.12	1.1	0.099	2.26	34.1	10.0	0.81	443	35.8	2.23	7.6	2.3	570	71.6
K292101		15.80	0.07	1.1	0.071	2.11	26.3	10.4	0.78	395	11.05	2.21	7.4	2.6	540	16.2
K292102		16.35	0.11	1.0	0.187	2.54	28.3	10.7	0.73	608	13.65	1.73	7.8	2.6	610	26.5
K292103		15.30	0.08	1.0	0.291	2.90	22.2	24.4	0.74	1840	14.55	0.15	5.9	14.5	510	472
K292104		15.75	0.07	0.9	0.226	2.96	33.3	8.9	1.23	2350	21.6	0.06	6.7	2.4	520	103.0
K292105		15.90	0.10	1.1	0.225	2.97	42.9	9.1	0.89	952	15.60	0.04	7.1	2.3	550	61.3
K292106		16.85	0.10	0.9	0.756	2.91	22.8	14.7	0.31	321	3.34	0.04	5.6	2.1	470	408
K292107		18.25	0.07	1.0	0.583	3.48	28.5	13.7	0.61	748	2.50	0.04	6.7	2.4	550	80.7
K292108		16.60	0.11	0.9	0.427	3.08	30.6	19.0	0.79	939	1.72	0.04	7.1	2.6	560	92.8
K292109		0.30	<0.05	<0.1	0.009	0.03	0.6	1.3	13.10	235	0.16	0.01	0.2	1.7	170	1.6
K292110		17.40	0.07	1.2	0.147	2.36	29.1	30.4	0.32	576	1.39	0.06	8.4	2.4	630	25.6
K292111		17.35	0.10	1.0	0.448	3.18	31.8	17.2	0.76	939	2.12	0.04	7.7	2.4	580	70.7
K292112		17.45	0.10	1.0	0.336	3.07	32.9	22.9	0.71	1300	3.39	0.04	8.0	2.6	590	72.8
K292113		16.55	0.08	1.0	0.224	2.30	27.5	47.7	0.46	564	0.68	0.06	7.7	2.4	600	19.9
K292114		16.70	0.08	1.0	0.252	2.36	27.4	49.3	0.46	567	1.24	0.06	7.8	2.4	630	21.1
K292115		16.90	0.09	1.0	0.192	2.72	22.9	22.1	0.34	459	0.88	0.44	8.0	1.9	600	13.3
K292116		15.05	0.07	1.2	0.109	1.62	30.4	12.9	0.84	474	0.71	1.96	7.5	2.5	550	17.5

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CERTIFICATE OF ANALYSIS TR16108380

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292081		205	<0.002	3.90	10.65	10.6	1	4.6	40.2	0.49	0.36	13.50	0.208	2.40	3.3	67
K292082		157.0	<0.002	0.56	14.20	11.6	1	3.0	64.2	0.64	0.24	15.05	0.264	2.13	5.7	69
K292083		126.5	<0.002	7.74	190.5	6.2	1	8.1	48.6	0.25	0.72	8.10	0.111	1.74	12.7	42
K292084		1.1	<0.002	0.01	0.33	0.2	<1	<0.2	51.3	<0.05	<0.05	0.09	<0.005	0.02	0.7	2
K292085		205	<0.002	2.52	28.1	11.7	1	4.3	53.0	0.56	0.14	14.55	0.261	2.57	4.4	77
K292086		216	<0.002	2.26	7.29	10.1	1	4.9	93.8	0.56	0.21	14.10	0.231	2.57	2.9	65
K292087		116.0	<0.002	0.35	5.73	11.4	1	2.9	93.4	0.55	<0.05	15.35	0.255	1.53	7.2	75
K292088		161.0	<0.002	4.54	63.8	9.2	2	7.7	98.5	0.47	1.14	10.95	0.205	2.38	5.2	61
K292089		174.5	<0.002	3.22	36.6	10.4	1	5.6	31.8	0.47	0.29	14.45	0.225	2.44	5.1	63
K292090		29.7	<0.002	1.76	8.76	1.9	1	1.2	14.1	0.07	0.11	2.27	0.031	0.48	0.8	17
K292091		171.0	<0.002	2.14	22.0	8.7	1	6.0	12.5	0.58	0.24	17.25	0.177	2.27	3.3	58
K292092		164.0	<0.002	3.05	41.8	5.3	1	3.5	13.9	0.89	0.40	26.2	0.091	2.05	4.6	35
K292093		112.5	<0.002	0.46	6.88	2.2	<1	1.2	42.8	1.46	0.09	50.6	0.023	1.47	5.1	12
K292094		144.5	<0.002	1.20	18.35	9.4	1	3.4	56.3	0.99	0.27	23.9	0.204	1.62	5.8	56
K292095		154.0	0.002	1.37	17.75	8.5	1	3.8	50.0	1.01	0.24	24.1	0.182	1.89	5.3	51
K292096		140.0	<0.002	1.26	26.8	10.3	1	4.2	59.4	0.77	0.23	16.60	0.232	1.72	4.1	64
K292097		96.8	<0.002	0.28	2.40	9.8	1	2.6	373	0.63	0.12	12.60	0.235	1.27	3.7	64
K292098		105.0	<0.002	0.52	1.98	9.6	1	3.2	308	0.58	0.15	12.40	0.218	1.45	3.9	59
K292099		176.5	0.003	4.25	2.25	11.8	1	10.2	132.5	0.48	0.46	10.80	0.214	2.20	4.7	73
K292100		99.0	0.004	0.93	1.87	9.9	1	4.4	358	0.63	0.22	13.00	0.234	1.49	4.6	64
K292101		86.8	<0.002	0.24	2.04	10.0	1	3.0	392	0.60	0.10	11.80	0.228	1.24	4.3	63
K292102		116.5	0.002	0.87	4.01	10.7	1	5.1	289	0.59	0.09	12.00	0.252	2.06	3.8	68
K292103		138.0	0.004	2.65	26.8	8.8	1	5.7	107.0	0.49	0.42	9.22	0.193	2.60	4.8	65
K292104		167.0	<0.002	1.42	6.48	9.6	1	4.4	106.0	0.51	0.12	12.25	0.212	3.41	3.8	61
K292105		144.0	0.002	1.29	13.15	9.7	1	5.6	83.1	0.59	0.36	12.75	0.214	3.26	4.7	60
K292106		168.0	<0.002	>10.0	123.0	8.4	3	13.9	120.5	0.48	0.82	9.10	0.175	2.89	4.9	58
K292107		220	<0.002	4.41	21.5	9.8	1	7.8	33.5	0.54	0.22	12.10	0.215	3.11	2.8	64
K292108		166.5	<0.002	2.61	36.2	10.3	1	6.6	50.8	0.56	0.27	12.25	0.229	2.93	3.7	64
K292109		2.0	<0.002	<0.01	0.17	0.2	<1	0.2	54.1	<0.05	<0.05	0.07	<0.005	<0.02	0.5	2
K292110		105.0	<0.002	0.55	14.45	10.5	1	3.8	48.6	0.70	0.05	14.05	0.266	1.68	4.0	66
K292111		169.0	0.002	1.22	16.95	10.5	1	7.1	39.0	0.59	0.13	12.90	0.241	3.13	3.7	70
K292112		159.0	<0.002	1.11	16.75	11.6	1	5.5	55.8	0.61	0.20	12.05	0.255	3.42	5.1	73
K292113		114.5	<0.002	0.80	22.7	10.9	1	4.0	91.1	0.65	0.13	11.90	0.247	1.87	4.6	70
K292114		115.5	<0.002	0.73	22.5	11.1	1	4.2	96.3	0.65	0.16	12.30	0.254	1.85	4.8	71
K292115		116.5	<0.002	0.46	28.6	10.8	1	3.8	95.0	0.67	0.14	11.50	0.257	1.71	3.8	67
K292116		80.7	<0.002	0.36	4.56	10.2	1	2.9	291	0.62	0.07	12.85	0.226	1.32	4.8	62

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

ALS Canada Ltd.
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www.alsglobal.com

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

Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108380

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292081		3.8	14.4	201	30.9	0.469
K292082		4.5	17.8	611	33.9	0.036
K292083		3.7	9.8	706	15.9	1.885
K292084		0.1	0.6	20	<0.5	<0.005
K292085		5.3	12.4	533	32.5	0.958
K292086		4.6	13.3	482	32.9	0.328
K292087		2.5	16.0	259	29.5	0.009
K292088		5.8	9.7	2320	26.5	0.912
K292089		3.2	16.7	515	24.8	0.303
K292090		0.7	3.7	218	4.7	0.139
K292091		3.8	11.6	1170	32.6	0.191
K292092		2.2	10.6	236	46.3	0.474
K292093		0.8	10.8	166	80.6	0.026
K292094		3.3	18.5	175	57.9	0.144
K292095		3.3	19.2	149	56.7	0.162
K292096		4.9	21.7	128	44.0	1.215
K292097		1.2	15.2	110	34.8	0.020
K292098		2.0	15.6	52	31.8	0.032
K292099		3.1	16.9	89	33.5	2.25
K292100		2.1	14.3	238	32.1	0.158
K292101		4.9	15.1	61	31.6	0.013
K292102		1.7	14.1	90	30.9	0.585
K292103		5.8	10.0	849	29.3	0.361
K292104		3.9	14.1	348	25.5	0.076
K292105		5.7	12.8	191	29.9	0.066
K292106		9.6	12.9	478	25.4	0.530
K292107		7.6	11.4	281	26.4	0.850
K292108		4.7	12.6	217	26.5	0.477
K292109		0.1	0.8	20	0.5	<0.005
K292110		4.0	13.2	88	35.1	0.041
K292111		4.1	12.2	176	27.6	0.094
K292112		5.1	12.5	202	27.7	0.079
K292113		4.0	16.5	67	26.1	0.045
K292114		4.1	18.9	68	26.3	0.039
K292115		4.2	14.8	47	26.0	0.069
K292116		1.3	17.0	73	36.2	0.005

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

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

Project: Klaza

Finalized Date: 24-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108380

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108381

Project: Klaza

P.O. No.: Batch 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

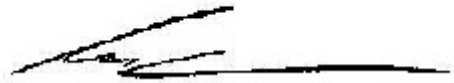
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108381

Sample Description	Method	WEI-21	Ag-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K292117		0.99		0.13	7.72	17.9	2500	1.79	1.52	2.71	0.17	51.5	4.1	9	17.10	37.0
K292118		1.71		1.09	7.03	114.5	230	1.64	5.05	0.91	1.55	47.8	9.1	11	9.12	17.2
K292119		1.36		0.14	8.17	18.3	1840	1.71	1.55	1.08	0.65	58.6	4.2	15	14.35	15.4
K292120		6.98		0.48	7.42	44.2	310	1.73	2.66	1.81	1.06	45.3	9.7	15	16.75	23.8
K292121		<0.02		0.58	7.81	47.5	340	1.83	2.87	1.88	1.21	50.1	10.6	14	18.80	25.3
K292122		5.00		0.43	7.23	67.7	280	1.63	3.14	1.44	0.66	66.6	13.2	13	13.25	22.8
K292123		1.56		0.61	3.68	57.4	90	0.73	3.12	1.12	1.25	17.50	95.4	13	8.15	103.0
K292124		1.55		0.53	6.45	27.9	760	1.41	1.87	2.61	1.48	85.2	21.9	11	20.2	55.9
K292125		2.42		0.68	6.94	91.7	560	1.53	3.37	2.29	0.37	58.0	7.3	14	16.65	56.2
K292126		1.27		0.39	7.45	17.7	1670	1.63	1.09	2.36	0.32	49.9	6.7	12	13.20	36.5
K292127		0.30		12.10	6.49	1425	560	1.37	11.90	1.89	32.6	45.4	18.0	19	12.35	283
K292128		1.38		0.22	7.63	8.6	2180	1.68	0.87	1.88	0.33	50.4	4.8	17	11.70	26.8
K292129		1.48		0.50	7.67	20.8	2050	1.65	1.52	1.51	0.51	53.0	5.6	11	13.80	22.0
K292130		2.24		1.55	7.45	65.8	490	1.73	5.03	0.90	1.14	56.1	5.5	14	25.7	113.5
K292131		4.95		0.21	6.47	14.0	1680	1.13	0.06	3.26	0.75	47.8	4.6	15	6.53	3.2
K292132		4.13		0.69	6.53	34.4	670	1.22	1.10	4.05	1.06	52.4	5.2	17	5.39	19.3
K292133		2.82	110	>100	3.39	757	60	0.75	597	1.73	25.6	32.6	24.3	9	3.58	4320
K292134		6.03		0.12	0.06	0.9	130	0.05	0.57	20.7	0.09	1.15	0.7	1	0.24	7.2
K292135		1.75		1.17	6.70	50.5	1290	1.47	2.78	2.21	3.55	50.2	15.8	8	17.05	16.5
K292136		5.30		0.77	6.84	42.1	2130	1.48	1.28	2.29	5.71	42.2	6.7	10	13.85	41.8
K292137		1.90		0.74	6.93	43.1	2320	1.55	1.29	2.35	7.39	42.3	5.9	8	14.10	31.3
K292138		1.71		2.13	6.63	141.5	200	1.37	5.27	0.94	17.55	48.2	6.6	11	10.35	29.2
K292139		3.51		0.47	6.83	54.9	1860	1.38	1.16	2.38	3.67	56.8	7.7	12	16.40	25.1
K292140		6.07		0.31	7.42	27.7	2020	1.44	1.00	1.64	0.73	52.8	8.9	11	20.2	16.8
K292141		0.29		4.56	6.68	702	370	1.44	3.48	2.07	11.15	49.2	13.0	27	12.20	320
K292142		3.11		0.57	6.97	53.3	2090	1.57	1.53	3.02	0.64	45.6	7.1	9	17.20	56.8
K292143		4.89		0.51	7.33	38.2	1810	1.48	1.47	2.00	1.35	43.6	6.8	12	14.85	36.4
K292144		3.27		1.94	5.15	87.9	200	1.29	3.46	1.57	1.38	29.2	24.7	12	12.05	495
K292145		4.74		1.73	6.44	102.0	600	1.24	2.88	2.17	3.70	39.3	16.2	12	12.10	283
K292146		1.95		1.77	4.93	96.6	1060	0.88	3.89	2.42	1.03	35.2	61.3	13	11.00	361
K292147		6.06		0.01	0.05	1.1	20	<0.05	0.03	20.4	0.07	1.12	0.7	2	0.19	1.9
K292148		5.50		1.00	4.10	82.4	830	0.77	3.03	1.14	1.18	27.8	44.8	14	8.49	176.5
K292149		5.32		2.53	6.86	37.5	1450	1.16	9.96	2.40	2.09	35.5	22.4	11	14.35	105.5
K292150		1.74		1.21	5.92	129.5	980	1.08	3.04	1.29	5.14	42.2	25.6	9	11.75	86.0
K292151		5.56		1.37	7.21	114.5	1330	1.39	3.02	2.02	3.57	53.0	4.7	12	16.25	50.4
K292152		1.85		0.99	6.41	159.0	1070	1.35	3.66	1.65	0.55	40.8	50.8	12	8.25	51.4

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

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108381

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K292117		3.45	16.35	0.19	1.4	0.193	2.66	28.2	17.7	0.77	503	0.97	1.34	7.7	2.8	640
K292118		5.94	16.30	0.22	1.1	0.262	3.48	25.7	7.7	0.48	446	3.83	0.06	4.9	2.8	530
K292119		4.25	17.80	0.19	1.3	0.224	2.90	33.1	24.2	0.58	633	0.89	0.07	7.4	2.6	690
K292120		3.96	15.30	0.17	1.1	0.249	2.97	23.8	11.5	0.61	381	0.71	0.80	5.9	2.4	590
K292121		4.18	16.75	0.19	1.1	0.256	3.11	26.7	11.9	0.64	402	0.45	0.83	6.3	2.6	620
K292122		4.80	15.90	0.21	1.0	0.235	3.37	35.4	17.1	0.60	572	0.72	0.23	5.9	2.9	610
K292123		4.50	9.38	0.13	0.5	0.219	1.64	8.8	13.6	0.49	379	7.66	0.04	2.9	4.1	280
K292124		3.61	15.05	0.19	0.8	0.356	2.51	52.0	14.9	0.77	566	0.39	0.76	6.1	2.8	490
K292125		4.67	16.00	0.20	1.1	0.281	2.25	33.2	13.5	0.78	564	1.09	1.15	6.9	2.8	560
K292126		3.32	16.15	0.19	1.3	0.212	2.32	27.0	15.5	0.65	502	1.16	1.88	6.8	2.5	540
K292127		6.48	15.45	0.18	1.1	0.751	2.94	23.6	20.7	0.77	1760	9.01	0.12	5.9	12.2	530
K292128		4.28	16.80	0.15	1.2	0.151	2.63	26.9	18.3	0.89	489	0.88	1.59	7.4	2.9	650
K292129		4.12	16.65	0.22	1.2	0.238	2.93	29.3	30.4	0.79	525	0.73	0.25	6.8	2.7	580
K292130		4.29	16.70	0.18	1.3	0.331	3.11	31.8	44.0	0.58	548	1.39	0.04	6.8	4.3	590
K292131		2.16	16.10	0.13	1.9	0.029	0.42	25.2	137.5	1.01	1000	0.51	0.09	7.1	6.4	720
K292132		2.28	16.10	0.15	2.4	0.035	0.33	28.0	172.0	1.37	1420	1.49	0.13	7.1	10.5	610
K292133		13.45	11.50	0.14	0.6	2.67	1.47	16.0	17.1	0.60	2480	5.47	0.04	3.0	4.0	280
K292134		0.52	0.26	0.08	<0.1	0.007	0.03	0.6	1.4	12.50	214	0.16	<0.01	0.2	1.7	200
K292135		3.91	16.10	0.08	1.0	0.386	3.30	27.5	16.1	0.77	1360	1.21	0.06	7.7	2.8	540
K292136		2.90	16.75	0.09	1.2	0.399	3.40	21.4	23.7	0.72	2100	2.75	0.07	8.7	2.4	550
K292137		2.78	17.00	0.11	1.3	0.386	3.34	20.9	26.4	0.71	2240	1.18	0.07	8.8	2.5	550
K292138		5.97	16.75	0.09	1.0	0.649	3.16	27.2	8.1	0.54	1490	1.59	0.03	6.7	2.2	480
K292139		2.93	16.00	0.09	1.0	0.200	2.84	34.3	22.3	0.86	1300	4.35	0.05	7.7	2.6	540
K292140		2.84	17.75	0.10	1.2	0.142	2.80	29.4	31.8	0.60	1050	5.03	0.06	9.2	2.3	600
K292141		4.99	16.30	0.10	1.1	0.294	2.97	28.2	26.3	0.77	1860	15.25	0.15	7.0	14.4	510
K292142		2.90	16.70	0.09	1.0	0.176	2.75	24.2	20.9	1.08	1720	1.48	0.04	8.5	2.5	560
K292143		3.31	16.90	0.09	1.1	0.318	2.73	23.0	28.4	0.70	1080	1.54	0.09	8.7	2.1	580
K292144		5.53	12.15	0.07	0.7	0.353	2.14	16.1	11.0	0.64	785	7.40	0.04	5.4	3.8	360
K292145		3.10	15.10	0.09	0.9	0.422	3.26	20.4	11.9	0.69	2200	1.04	0.06	6.6	2.3	490
K292146		2.65	10.90	0.12	0.8	0.358	2.48	19.3	11.9	0.58	583	2.49	0.04	4.5	2.4	360
K292147		0.50	0.21	0.21	<0.1	0.005	0.02	0.5	0.8	12.65	214	<0.05	<0.01	0.1	1.5	170
K292148		2.84	9.30	0.13	0.6	0.288	1.76	15.5	13.4	0.48	462	14.45	0.03	3.5	2.6	310
K292149		3.31	14.75	0.12	1.1	0.354	2.75	19.4	13.0	0.60	608	5.10	0.52	6.5	1.8	540
K292150		5.05	13.60	0.11	1.0	0.379	2.29	23.8	29.2	0.50	1830	9.45	0.06	5.4	3.5	460
K292151		4.05	16.30	0.12	1.3	0.266	2.82	30.9	32.7	0.79	2100	0.62	0.06	7.7	2.2	600
K292152		4.81	14.80	0.11	1.1	0.400	3.19	22.1	7.5	0.66	1010	7.27	0.03	6.1	3.2	540

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108381

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K292117		13.1	124.0	<0.002	0.78	5.03	10.8	<1	3.1	269	0.65	0.36	12.85	0.261	2.07	5.3
K292118		99.0	183.5	<0.002	5.29	7.11	9.9	1	8.7	28.8	0.44	1.27	10.75	0.170	2.71	3.5
K292119		17.8	151.5	<0.002	1.22	12.15	12.1	<1	4.3	42.0	0.60	0.28	12.65	0.261	2.34	3.1
K292120		41.0	147.0	<0.002	2.40	5.65	9.0	1	6.0	137.5	0.51	0.54	12.00	0.212	2.33	4.2
K292121		43.6	161.0	<0.002	2.50	6.04	9.7	1	6.4	144.0	0.51	0.69	12.65	0.219	2.33	4.5
K292122		30.7	156.0	<0.002	2.71	10.35	11.0	2	5.9	93.1	0.49	0.69	12.25	0.214	2.27	3.5
K292123		22.4	78.6	<0.002	3.56	6.41	4.4	2	3.7	42.9	0.24	0.57	5.01	0.102	1.21	1.8
K292124		33.3	123.5	<0.002	1.29	5.56	8.3	1	5.7	188.0	0.46	0.21	11.50	0.204	1.86	4.6
K292125		27.3	120.0	<0.002	1.89	4.64	9.7	1	5.2	196.0	0.57	0.22	12.40	0.223	1.63	4.7
K292126		32.1	103.5	<0.002	0.54	6.39	8.9	1	3.0	243	0.57	0.14	12.35	0.219	1.59	3.7
K292127		1280	164.5	<0.002	4.64	63.4	8.8	2	7.9	95.1	0.49	1.44	10.60	0.206	2.71	4.9
K292128		21.6	104.5	<0.002	0.28	7.36	11.8	1	3.1	242	0.58	0.10	12.55	0.264	1.58	3.9
K292129		45.1	138.0	<0.002	0.71	6.95	10.1	<1	3.6	112.5	0.59	0.09	13.70	0.235	2.17	6.4
K292130		53.1	166.5	<0.002	2.72	35.7	9.8	1	7.4	76.3	0.56	0.59	13.35	0.234	2.74	4.4
K292131		48.3	14.1	<0.002	0.19	4.02	5.1	<1	1.1	360	0.55	<0.05	7.80	0.238	0.49	4.1
K292132		66.5	16.6	<0.002	0.30	10.70	5.1	<1	1.3	302	0.56	<0.05	8.87	0.232	0.55	5.7
K292133		1645	79.1	<0.002	>10.0	42.2	4.7	6	11.7	59.1	0.23	3.95	5.41	0.095	1.44	1.6
K292134		2.9	1.4	<0.002	0.01	0.08	0.2	<1	<0.2	51.7	<0.05	<0.05	0.09	<0.005	0.02	0.9
K292135		77.4	144.5	<0.002	1.84	7.97	9.5	1	4.4	101.5	0.59	0.28	12.50	0.213	3.01	4.0
K292136		93.1	126.5	<0.002	0.93	11.55	9.3	1	3.5	118.5	0.68	0.14	11.95	0.233	2.93	3.9
K292137		93.6	116.5	<0.002	0.88	10.95	9.5	1	3.1	127.0	0.72	0.10	12.40	0.240	2.81	4.3
K292138		325	204	<0.002	6.10	8.57	9.2	1	9.2	28.0	0.55	0.51	12.50	0.183	3.13	3.2
K292139		98.3	125.5	<0.002	1.36	8.22	9.6	1	3.6	119.5	0.59	0.18	12.55	0.220	2.67	3.9
K292140		32.1	112.5	<0.002	0.65	11.20	10.9	1	3.1	91.1	0.69	0.16	13.55	0.251	2.37	4.4
K292141		472	160.0	0.003	2.70	31.6	9.6	1	5.9	109.0	0.52	0.35	11.85	0.203	2.61	5.4
K292142		37.1	96.7	<0.002	0.84	14.55	9.9	<1	3.3	117.0	0.67	0.23	12.40	0.239	2.67	6.6
K292143		43.9	106.5	<0.002	0.93	9.50	10.4	1	3.8	120.0	0.66	0.22	12.70	0.249	2.42	3.9
K292144		76.3	118.0	<0.002	4.71	16.60	7.2	2	4.4	49.8	0.43	0.70	8.46	0.154	2.14	3.5
K292145		102.0	167.0	<0.002	2.03	13.00	9.2	1	4.7	76.4	0.50	0.92	12.35	0.184	3.04	3.2
K292146		33.8	127.5	<0.002	1.82	30.0	5.9	<1	3.2	73.9	0.41	0.74	9.66	0.143	2.21	8.8
K292147		1.4	1.3	<0.002	<0.01	0.10	0.1	<1	<0.2	48.6	<0.05	<0.05	0.08	<0.005	<0.02	0.6
K292148		34.9	99.9	<0.002	1.94	25.5	5.0	<1	2.7	60.5	0.31	0.37	7.54	0.117	1.53	2.7
K292149		108.5	121.5	0.002	1.51	11.20	7.7	1	4.0	131.0	0.57	0.96	12.65	0.211	2.30	3.5
K292150		70.5	121.5	0.002	3.97	18.20	6.9	1	4.5	90.5	0.48	0.33	10.60	0.179	1.78	5.7
K292151		113.0	136.0	<0.002	2.11	22.3	9.7	1	5.3	123.5	0.64	0.10	13.25	0.237	2.59	6.2
K292152		38.6	212	<0.002	4.16	15.65	8.7	1	8.1	41.9	0.50	0.18	10.85	0.197	3.07	6.7

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108381

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K292117		68	2.2	14.0	80	31.4	0.019
K292118		62	4.4	13.3	164	26.1	0.124
K292119		77	4.2	16.8	120	28.3	0.013
K292120		61	3.1	14.6	121	24.4	0.083
K292121		64	3.3	15.7	127	26.4	0.066
K292122		71	2.6	16.3	134	24.5	0.033
K292123		48	1.7	8.0	140	11.2	0.101
K292124		59	1.7	16.2	155	20.8	0.020
K292125		66	2.7	17.7	99	26.1	0.336
K292126		60	2.1	13.3	75	30.8	0.021
K292127		62	6.1	10.3	2340	26.0	0.894
K292128		75	1.6	14.3	94	30.4	0.009
K292129		65	3.5	13.0	109	28.1	0.026
K292130		66	6.5	11.8	142	33.6	0.058
K292131		46	3.6	9.8	123	49.8	<0.005
K292132		44	5.3	11.0	151	76.6	0.017
K292133		36	5.6	5.5	1870	14.3	1.120
K292134		2	0.1	0.8	19	<0.5	<0.005
K292135		61	3.5	14.4	348	28.5	0.050
K292136		64	3.9	13.6	505	34.2	0.081
K292137		65	4.2	14.2	642	35.2	0.083
K292138		57	7.9	10.5	1150	28.5	0.254
K292139		62	4.8	14.3	333	28.7	0.049
K292140		70	3.5	14.5	89	34.0	0.010
K292141		65	5.9	12.3	863	30.4	0.350
K292142		64	5.7	14.4	90	30.0	0.027
K292143		69	3.2	14.5	151	31.5	0.018
K292144		57	3.1	11.9	135	20.5	0.048
K292145		57	2.8	14.6	301	25.0	0.100
K292146		48	2.6	14.1	103	22.3	0.059
K292147		2	0.1	0.8	19	<0.5	<0.005
K292148		43	2.2	10.3	106	17.5	0.040
K292149		76	3.9	11.8	205	30.2	0.030
K292150		65	4.1	10.9	392	28.0	0.109
K292151		67	4.5	15.0	312	34.1	0.122
K292152		65	6.1	13.0	69	29.3	0.493

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108381

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-21d	LOG-22
	LOG-23	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	

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

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

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108382

Project: Klaza

P.O. No.: Batch 10

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

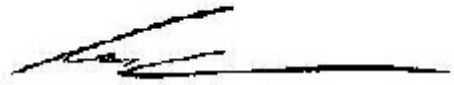
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108382

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292153		1.53	0.25	7.91	24.9	2600	1.37	0.95	0.79	0.47	51.9	5.3	16	13.80	14.1	3.23
K292154		1.30	0.31	7.89	15.1	2630	1.28	1.05	0.98	0.57	52.3	7.8	13	14.10	25.3	3.45
K292155		1.81	0.12	7.57	7.6	1650	1.51	0.54	2.44	0.25	50.9	4.6	9	12.45	7.0	3.69
K292156		4.05	5.05	7.45	245	330	1.31	13.85	0.30	1.08	43.6	4.4	11	12.35	701	4.59
K292157		4.16	4.06	7.40	206	180	1.29	12.55	0.05	0.22	46.1	6.7	14	10.35	224	6.66
K292158		0.29	11.00	6.29	1495	920	1.31	10.55	1.81	30.8	44.7	15.9	19	11.85	277	6.20
K292159		4.00	13.35	7.45	201	220	1.45	9.05	0.08	0.52	56.6	6.9	13	13.05	1510	5.08
K292160		1.53	1.58	7.58	122.5	660	1.64	5.88	0.96	2.08	59.9	9.2	12	15.20	868	3.71
K292161		1.80	12.65	6.17	276	940	1.21	268	0.44	1.29	26.6	66.8	12	12.35	5250	11.70
K292162		6.02	0.04	0.06	1.2	20	0.06	0.42	20.0	0.07	1.05	0.8	2	0.18	11.1	0.48
K292163		1.19	2.07	6.85	31.2	1370	1.53	20.2	2.34	1.71	48.7	5.9	11	19.60	264	3.28
K292164		2.07	0.71	7.58	30.8	1590	1.46	2.59	1.92	1.62	52.4	6.8	13	14.25	301	3.65
K292165		2.06	0.34	7.34	9.0	2470	1.47	0.76	2.60	0.39	47.9	6.9	15	13.00	32.6	3.08
K292166		2.25	0.44	7.78	175.0	1990	1.66	1.46	0.96	0.96	49.0	9.6	11	16.10	385	4.08
K292167		0.92	0.44	7.61	155.0	2080	1.61	1.45	1.24	0.81	49.1	9.7	12	17.30	341	4.16
K292168		2.94	1.70	7.39	240	340	1.26	6.19	0.07	0.39	55.8	4.7	14	9.45	527	4.81
K292169		2.23	1.28	7.89	182.5	950	1.85	2.98	0.58	3.56	56.3	8.7	12	19.45	998	3.55
K292170		1.38	0.40	7.84	43.7	950	1.41	0.34	1.30	6.62	52.8	7.7	12	23.0	405	2.78
K292171		2.97	0.60	7.98	50.7	820	1.29	1.26	0.67	3.45	63.6	12.9	14	12.30	107.0	3.96
K292172		3.17	0.50	7.73	66.0	1020	1.69	1.60	0.46	4.10	105.5	8.5	9	23.5	722	3.50
K292173		<0.02	0.57	7.69	71.0	1020	1.74	2.18	0.46	4.50	132.0	10.5	11	23.4	812	3.85
K292174		1.47	0.55	7.89	67.4	840	1.50	1.08	0.87	2.46	58.3	9.1	11	12.75	125.5	4.22
K292175		1.43	0.31	7.97	20.2	2400	1.32	0.68	1.12	0.65	53.6	7.0	10	16.70	80.6	3.42
K292176		1.59	0.62	7.78	14.3	2200	1.69	1.27	2.15	0.46	52.4	6.5	12	13.55	47.9	3.31
K292177		4.47	0.27	7.38	18.2	2170	1.90	0.46	2.26	0.40	47.3	7.1	11	25.5	43.3	2.83
K292178		0.29	4.57	6.90	729	390	1.50	3.49	2.17	10.60	48.6	11.9	26	12.75	333	5.18
K292179		6.46	0.79	7.16	29.5	1920	1.48	1.68	2.34	1.15	42.7	6.0	13	16.85	126.0	3.32
K292180		5.19	0.70	7.56	79.1	1190	1.54	1.24	1.83	3.76	57.6	7.8	12	17.35	211	3.28
K292181		6.05	0.02	0.11	0.3	60	0.06	0.04	20.8	0.08	1.42	0.8	1	0.30	3.1	0.51
K292182		1.34	0.39	7.42	41.8	740	1.68	0.57	1.79	1.68	47.4	7.4	10	18.65	210	2.84
K292183		1.52	0.50	7.57	66.1	1280	1.58	0.67	1.69	3.45	49.8	6.6	9	22.0	189.0	3.07
K292184		1.71	3.05	5.84	246	120	1.26	10.05	2.20	10.30	47.6	15.1	10	14.35	51.7	11.70
K292185		1.36	0.78	7.25	21.7	530	1.43	2.24	1.88	2.80	50.7	7.7	11	21.0	94.1	4.33
K292186		1.37	0.56	7.36	40.8	2200	1.31	0.61	2.34	3.73	45.7	7.9	11	24.1	123.0	3.42
K292187		1.75	2.35	7.22	37.8	810	1.58	4.44	1.85	2.59	47.3	10.9	11	19.65	255	4.02
K292188		5.51	0.72	7.46	34.9	790	1.47	3.04	1.84	1.95	48.4	15.1	12	14.40	193.0	4.03

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

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Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108382

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292153		16.55	0.07	1.1	0.203	2.79	29.1	29.9	0.40	795	0.52	0.08	7.4	2.0	580	21.1
K292154		18.50	0.11	1.3	0.266	2.70	27.4	25.3	0.39	692	0.87	0.12	8.2	2.3	610	19.9
K292155		16.95	0.08	1.3	0.089	2.29	27.9	18.3	0.83	518	0.46	1.45	8.4	2.2	570	16.0
K292156		20.8	0.09	0.9	0.251	3.71	24.3	7.3	0.37	182	1.65	0.07	4.2	2.3	450	57.0
K292157		19.40	0.07	0.9	0.204	3.54	23.9	5.1	0.34	72	1.49	0.05	3.8	2.4	440	62.4
K292158		14.65	0.08	0.9	0.735	2.77	23.7	18.0	0.73	1700	8.55	0.12	6.0	11.5	510	1230
K292159		18.65	0.10	0.9	0.586	3.79	30.2	16.0	0.33	113	1.75	0.07	3.9	2.6	520	76.3
K292160		18.15	0.09	0.9	0.196	3.53	34.4	10.9	0.47	375	1.61	0.64	4.8	2.2	690	57.3
K292161		19.30	0.07	0.7	0.423	3.10	12.8	6.0	0.34	144	3.46	0.42	2.6	7.7	700	151.0
K292162		0.22	<0.05	<0.1	0.007	0.03	0.5	1.1	12.50	215	0.06	<0.01	0.2	1.2	180	1.6
K292163		16.45	0.09	0.8	0.131	3.04	26.6	6.8	0.71	551	1.43	1.37	6.5	2.2	590	49.8
K292164		16.55	0.06	0.7	0.142	2.76	29.4	9.1	0.60	603	2.06	1.72	6.8	2.5	660	31.7
K292165		16.65	0.07	1.0	0.080	2.75	26.2	9.9	0.66	481	0.74	1.87	7.4	2.5	570	34.2
K292166		17.55	0.06	1.0	0.267	3.02	26.5	16.0	0.34	489	1.12	1.08	7.0	3.6	900	57.0
K292167		17.05	<0.05	1.0	0.214	3.00	27.1	15.4	0.39	573	1.86	1.04	7.1	8.1	850	58.9
K292168		18.60	0.07	1.0	0.744	3.59	30.3	4.9	0.37	66	1.47	0.08	4.6	3.2	670	276
K292169		18.25	0.05	0.9	0.323	3.40	30.1	9.1	0.41	434	1.31	0.05	6.3	3.4	780	77.8
K292170		16.40	0.05	1.0	0.064	2.37	27.5	30.3	0.47	1010	0.89	0.04	7.8	2.8	690	18.6
K292171		18.40	0.06	1.0	0.139	1.95	36.1	57.3	0.38	1080	1.39	0.03	7.0	3.2	730	47.0
K292172		16.90	0.08	0.9	0.357	2.42	69.7	28.7	0.32	780	2.19	0.04	6.2	3.0	710	37.9
K292173		17.25	0.08	0.9	0.328	2.37	87.2	30.1	0.32	809	2.02	0.04	6.5	3.4	710	40.4
K292174		18.45	0.06	0.9	0.139	3.67	33.5	17.1	0.56	662	1.41	0.08	4.9	2.9	580	56.2
K292175		17.15	0.09	1.0	0.088	3.25	29.4	20.2	0.52	763	2.49	0.19	6.5	2.4	600	22.3
K292176		18.20	0.06	1.0	0.127	2.97	28.1	11.8	0.67	489	1.67	1.43	7.6	2.3	600	37.3
K292177		17.55	0.08	1.2	0.080	3.14	23.8	24.6	0.57	447	1.40	1.35	8.5	2.4	590	23.8
K292178		15.90	0.08	1.1	0.309	3.12	26.9	26.3	0.80	1940	14.60	0.15	6.2	14.6	540	500
K292179		17.00	0.05	1.0	0.088	3.00	22.2	14.9	0.64	574	1.36	1.39	7.3	2.4	580	45.4
K292180		17.25	0.09	1.2	0.156	2.88	31.1	32.1	0.69	1020	4.04	0.08	7.0	2.9	560	82.5
K292181		0.34	<0.05	<0.1	0.008	0.05	0.7	1.3	12.95	226	0.07	0.01	0.3	1.5	180	1.7
K292182		17.45	<0.05	1.0	0.116	2.36	24.3	54.0	0.59	978	3.47	0.04	7.3	2.8	600	31.1
K292183		16.70	0.08	1.1	0.086	3.17	25.9	12.7	0.70	1160	3.91	0.04	7.0	2.4	580	32.0
K292184		14.35	0.06	0.9	0.091	2.64	25.1	6.8	0.91	2330	1.95	0.03	5.6	2.8	510	212
K292185		16.20	0.08	0.8	0.068	3.21	27.3	9.5	0.90	1080	0.81	0.04	5.2	2.5	550	86.4
K292186		17.90	<0.05	0.9	0.067	2.13	22.5	38.7	0.77	1460	1.05	0.04	7.3	2.9	590	53.5
K292187		17.05	<0.05	0.8	0.159	3.08	24.6	24.3	0.73	913	2.11	0.05	5.6	2.7	590	46.9
K292188		18.30	<0.05	0.9	0.152	1.91	26.1	24.9	0.68	692	4.03	1.36	6.6	3.0	600	59.1

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

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108382

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292153		125.5	<0.002	0.43	17.65	10.8	1	2.3	93.0	0.58	0.06	13.05	0.239	1.91	4.4	68
K292154		118.0	<0.002	0.41	14.50	11.9	1	3.1	86.4	0.66	0.13	13.25	0.254	1.61	3.2	74
K292155		103.0	<0.002	0.10	4.92	10.9	1	2.1	262	0.70	0.05	12.40	0.252	1.49	3.7	69
K292156		163.0	<0.002	3.44	7.71	10.5	3	11.5	45.8	0.34	0.70	12.20	0.157	2.56	4.2	64
K292157		174.5	<0.002	6.06	5.45	11.4	3	12.2	45.2	0.31	1.27	11.85	0.140	2.38	3.3	65
K292158		159.0	<0.002	4.43	63.3	8.9	2	7.8	91.8	0.48	1.03	10.35	0.193	2.59	4.9	60
K292159		198.0	<0.002	4.15	17.90	11.8	2	9.2	64.1	0.29	0.57	13.65	0.153	2.91	3.7	67
K292160		168.0	<0.002	2.29	4.76	10.5	2	6.3	122.5	0.35	1.48	11.30	0.182	2.58	3.5	66
K292161		138.5	<0.002	>10.0	5.32	10.1	7	10.9	61.4	0.23	3.33	8.24	0.124	2.06	4.9	82
K292162		1.3	<0.002	0.01	0.11	0.2	1	0.2	45.9	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2
K292163		114.0	<0.002	1.80	1.47	9.9	1	5.1	238	0.51	0.57	9.79	0.224	2.10	2.2	65
K292164		118.0	<0.002	1.54	1.92	11.0	2	4.8	266	0.49	0.34	11.70	0.246	1.74	2.9	72
K292165		104.0	<0.002	0.53	1.17	10.2	1	2.7	367	0.58	0.12	12.65	0.238	1.41	3.3	66
K292166		130.5	<0.002	1.11	11.65	12.1	1	3.2	207	0.56	0.23	15.75	0.226	1.96	7.3	69
K292167		126.0	<0.002	1.28	10.05	12.0	1	3.6	212	0.56	0.28	14.90	0.233	1.94	6.3	69
K292168		189.5	<0.002	3.75	22.5	13.2	2	12.9	82.8	0.40	0.57	23.2	0.162	2.32	3.9	66
K292169		175.0	<0.002	1.97	24.5	12.6	1	5.8	40.7	0.50	0.32	12.90	0.221	2.60	8.2	78
K292170		89.7	<0.002	0.60	19.70	10.9	2	2.6	109.5	0.67	0.07	12.80	0.259	1.73	7.5	66
K292171		110.0	<0.002	1.70	38.1	11.1	1	6.0	182.5	0.57	0.19	13.65	0.233	1.68	6.7	71
K292172		119.0	<0.002	1.06	26.5	11.3	1	4.9	95.9	0.51	0.62	13.50	0.213	1.92	9.2	71
K292173		123.0	<0.002	1.39	26.2	11.8	2	5.4	97.0	0.54	0.96	13.90	0.215	1.89	9.7	73
K292174		176.0	<0.002	2.31	19.25	10.9	1	9.4	54.8	0.43	0.16	13.40	0.185	2.53	8.6	70
K292175		142.0	<0.002	0.90	17.65	10.8	1	3.9	85.2	0.55	0.09	13.45	0.227	2.11	4.2	69
K292176		124.5	<0.002	0.74	5.77	10.9	<1	4.6	268	0.63	0.15	13.30	0.245	1.92	4.2	69
K292177		117.0	<0.002	0.47	5.44	10.4	1	2.8	279	0.79	0.07	12.45	0.247	1.89	3.6	68
K292178		159.5	0.004	2.78	27.8	9.5	1	5.8	111.0	0.50	0.32	10.40	0.211	2.63	5.1	68
K292179		108.5	<0.002	1.13	6.52	10.3	1	3.4	264	0.53	0.30	10.90	0.240	1.67	3.2	66
K292180		131.5	<0.002	1.61	26.8	10.1	1	4.2	75.3	0.63	0.31	15.50	0.211	2.44	5.7	64
K292181		2.3	<0.002	0.01	0.24	0.3	<1	0.2	51.7	<0.05	<0.05	0.21	<0.005	0.03	0.6	2
K292182		96.8	<0.002	0.67	32.4	10.0	1	3.8	91.3	0.63	0.19	11.65	0.228	2.13	6.3	68
K292183		142.0	<0.002	1.22	21.0	10.6	1	3.6	72.0	0.59	0.14	13.30	0.230	3.10	6.4	68
K292184		132.5	<0.002	>10.0	13.70	9.7	3	5.5	46.6	0.51	4.47	9.95	0.175	3.14	3.4	57
K292185		163.0	<0.002	3.81	7.94	10.0	1	10.8	44.1	0.43	0.66	11.35	0.183	3.11	3.6	64
K292186		79.2	<0.002	0.95	33.5	10.6	1	3.1	104.5	0.59	0.22	11.45	0.240	2.10	4.7	70
K292187		134.5	<0.002	2.29	20.6	10.2	2	6.8	61.5	0.44	2.42	11.00	0.203	2.58	6.6	70
K292188		93.2	0.003	2.27	18.95	10.7	2	5.3	158.5	0.51	0.76	11.05	0.227	1.64	5.6	72

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

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108382

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292153		2.4	14.9	82	31.1	0.128
K292154		4.2	17.1	91	39.4	<0.005
K292155		2.3	15.7	67	36.6	<0.005
K292156		8.9	9.9	98	25.2	1.010
K292157		11.8	10.7	56	24.4	1.000
K292158		6.1	10.4	2240	26.5	0.892
K292159		6.0	10.2	105	23.5	0.339
K292160		3.2	14.3	131	23.6	0.298
K292161		5.6	9.1	132	19.3	2.11
K292162		0.1	0.7	19	<0.5	<0.005
K292163		4.4	13.8	141	21.4	0.129
K292164		5.0	14.2	162	20.1	0.112
K292165		2.1	14.3	80	25.7	0.108
K292166		14.1	13.1	213	26.2	0.047
K292167		6.5	14.3	198	25.3	0.057
K292168		31.7	6.6	51	24.7	0.165
K292169		5.9	13.2	281	24.8	0.124
K292170		7.9	14.5	331	26.1	0.035
K292171		6.1	15.4	268	25.6	0.126
K292172		5.7	14.3	322	24.1	0.041
K292173		5.9	16.8	336	25.0	0.046
K292174		4.4	11.4	222	24.0	0.086
K292175		2.4	14.0	131	24.6	0.054
K292176		1.8	15.0	97	26.2	0.202
K292177		1.9	13.0	77	30.7	0.116
K292178		5.9	11.1	909	29.5	0.328
K292179		4.2	12.2	141	27.6	0.109
K292180		3.9	13.8	298	29.0	0.091
K292181		0.5	0.9	21	0.5	<0.005
K292182		2.1	14.1	209	27.0	0.076
K292183		3.1	13.2	244	28.5	0.069
K292184		5.8	13.1	899	21.1	0.455
K292185		6.3	11.8	177	20.8	0.141
K292186		2.5	14.2	258	24.3	0.129
K292187		3.9	12.3	179	21.5	0.078
K292188		3.0	13.2	205	22.8	0.531

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108382

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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

Finalized Date: 24-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108383

Project: Klaza

P.O. No.: Batch 11

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

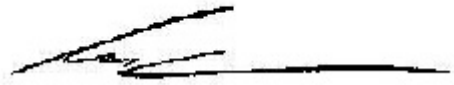
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108383

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292189		7.41	0.87	6.64	22.6	690	1.38	3.08	2.04	1.21	41.5	11.2	12	10.55	122.5	3.72
K292190		1.28	0.29	7.49	8.2	2280	1.28	1.27	1.52	0.34	40.1	6.5	11	15.75	59.3	2.73
K292191		1.43	0.18	6.99	16.6	2160	1.56	1.99	2.57	0.34	41.3	8.4	13	15.90	60.8	2.90
K292192		1.48	0.25	7.57	37.9	2610	1.69	0.67	1.66	1.73	49.6	7.1	10	25.5	44.5	3.17
K292193		1.43	4.60	6.90	264	1020	1.88	16.15	0.81	2.15	40.5	12.0	12	12.25	217	5.88
K292194		6.12	0.01	0.08	0.3	90	0.06	0.06	20.6	0.07	1.19	0.7	1	0.43	1.3	0.48
K292195		2.06	0.32	7.82	19.6	1370	1.30	0.70	1.68	0.68	50.0	8.8	13	29.4	25.9	2.99
K292196		1.61	12.60	6.41	177.5	510	1.47	61.9	1.99	5.54	45.0	6.9	8	11.65	69.9	4.50
K292197		1.40	0.30	6.76	31.3	1670	1.51	0.71	2.69	0.40	37.0	7.0	9	23.5	33.3	2.86
K292198		7.75	0.19	7.60	8.5	2400	1.59	0.51	2.53	0.70	52.2	8.4	14	13.40	11.1	3.08
K292199		6.07	0.13	7.85	16.9	1940	1.26	0.41	1.55	0.35	52.6	10.7	11	13.30	12.5	3.09
K292200		0.30	11.45	6.57	1525	1270	1.44	12.20	1.89	32.1	50.4	18.6	19	13.85	285	6.46
K292201		1.39	0.16	7.61	8.7	2980	1.30	0.44	1.34	0.28	48.1	5.6	9	17.80	20.0	2.88
K292202		1.28	1.19	7.09	82.1	1130	1.68	2.05	2.63	2.14	50.3	6.6	8	22.4	19.6	2.90
K292203		1.21	2.81	4.98	236	440	1.32	3.90	2.01	8.86	42.8	6.3	8	14.85	115.5	3.90
K292204		2.71	0.50	7.46	52.7	1240	1.60	0.72	2.34	0.49	50.9	7.2	12	25.3	57.6	2.97
K292205		1.17	1.51	6.15	189.5	680	1.50	1.64	4.39	9.66	47.1	6.8	7	18.60	115.0	3.49
K292206		5.99	0.01	0.07	<0.2	40	0.07	0.03	20.1	0.08	1.88	0.8	1	0.37	1.7	0.48
K292207		1.28	0.52	6.91	8.6	2060	1.49	1.98	2.69	0.36	42.1	8.3	11	17.60	82.7	2.93
K292208		1.32	0.11	7.43	3.9	2300	1.43	0.41	2.49	0.48	46.1	7.8	13	12.55	15.8	3.11
K292209		1.22	0.28	7.35	10.3	2380	1.45	1.11	2.11	0.23	45.7	7.9	11	12.70	65.7	3.05
K292210		1.46	0.13	7.47	7.4	1980	1.55	0.42	2.42	0.31	49.9	6.0	10	13.40	35.7	2.78
K292211		1.61	0.23	7.86	15.7	2050	1.58	1.17	1.70	0.64	54.6	9.8	9	15.20	39.1	3.52
K292212		<0.02	0.31	7.44	14.6	1980	1.48	1.13	1.61	0.61	52.4	8.2	9	13.95	39.3	3.42
K292213		1.41	0.27	7.30	14.5	750	1.61	1.31	1.01	2.02	66.6	8.2	9	12.95	17.5	3.04
K292214		1.57	0.54	7.24	37.9	510	1.54	1.68	1.99	2.97	57.6	7.2	9	15.95	36.3	3.34
K292215		1.95	0.83	7.19	21.8	1370	1.54	1.93	2.21	0.78	47.5	7.9	10	16.80	41.1	2.91
K292216		0.30	4.25	6.61	705	440	1.33	3.22	2.05	10.65	47.4	11.6	26	13.10	314	4.94
K292217		1.43	0.18	7.56	4.3	2130	1.63	0.55	2.78	0.28	49.6	7.2	11	9.80	31.7	3.07
K292218		1.39	0.20	7.47	4.5	2120	1.49	0.56	2.60	0.44	44.9	7.6	11	10.20	35.1	3.06
K292219		1.42	0.70	6.94	31.9	1910	1.52	2.12	2.35	0.33	42.9	6.7	10	19.55	123.5	2.95
K292220		1.38	0.79	6.88	37.2	1750	1.45	1.54	2.98	0.44	47.5	8.2	9	20.9	155.0	3.06
K292221		0.55	3.66	6.71	172.5	330	1.45	24.5	1.98	5.83	43.4	6.4	9	18.25	122.0	4.86
K292222		1.62	1.85	7.42	128.0	1170	1.65	6.16	1.91	0.44	51.4	6.5	11	21.1	231	3.87
K292223		1.42	1.77	7.27	130.5	1170	1.66	6.75	1.91	0.50	47.3	6.6	10	20.6	235	3.86
K292224		1.37	0.82	7.61	19.4	2180	1.53	7.04	2.48	0.32	50.8	6.4	26	9.66	297	3.30

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

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

Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292189		15.70	0.11	0.7	0.183	1.86	23.1	14.2	0.81	570	0.73	1.50	4.9	2.0	530	57.6
K292190		17.60	0.12	1.1	0.064	2.90	19.8	26.4	0.31	338	1.84	0.46	8.2	1.9	640	24.2
K292191		15.90	0.14	1.1	0.058	2.63	22.1	11.9	0.67	419	1.82	1.91	7.5	2.4	570	22.2
K292192		15.90	0.14	1.2	0.077	2.90	27.3	43.5	0.64	757	1.37	0.10	7.2	2.2	560	51.6
K292193		16.35	0.12	1.1	0.234	3.15	23.1	11.7	0.52	639	8.93	0.05	3.9	3.1	550	200
K292194		0.26	0.17	<0.1	0.005	0.04	0.6	1.3	12.60	214	0.14	0.01	0.2	1.5	180	1.6
K292195		16.60	0.18	1.4	0.086	2.71	26.0	40.1	0.64	991	1.45	0.07	7.8	2.0	570	26.8
K292196		15.95	0.20	1.1	0.169	2.94	23.0	11.7	0.87	1400	1.47	0.04	6.2	2.5	480	189.0
K292197		15.55	0.11	1.4	0.082	3.22	17.9	17.8	0.66	747	1.24	0.38	7.9	2.3	540	21.3
K292198		15.75	0.13	1.3	0.070	2.77	27.3	10.7	0.78	444	0.81	2.19	8.2	2.6	600	32.2
K292199		16.25	0.13	1.1	0.058	2.69	27.8	24.3	0.50	453	0.80	0.69	7.7	2.8	630	21.4
K292200		15.00	0.12	1.1	0.786	2.96	26.6	19.3	0.77	1760	9.38	0.12	6.5	12.5	530	1270
K292201		15.80	0.12	1.1	0.062	3.23	25.5	17.0	0.54	375	0.78	1.17	7.3	2.2	560	19.3
K292202		16.05	0.13	1.3	0.195	3.22	25.5	14.0	0.94	1700	1.59	0.05	7.7	2.5	560	128.0
K292203		11.65	0.11	0.8	0.213	2.20	23.7	25.4	0.81	1890	8.97	0.03	4.5	2.8	370	364
K292204		15.75	0.12	1.1	0.063	2.88	26.4	17.8	0.90	898	3.76	0.05	7.4	31.3	580	44.7
K292205		13.70	0.13	0.9	0.140	2.70	24.7	9.4	1.75	2700	1.42	0.03	6.3	2.3	500	150.5
K292206		0.27	0.17	<0.1	0.005	0.03	0.9	1.1	12.35	224	0.10	<0.01	0.2	1.7	160	1.5
K292207		15.80	0.15	1.1	0.080	2.75	20.0	15.0	0.81	550	2.21	1.46	8.6	2.8	640	30.2
K292208		15.90	0.15	1.0	0.065	2.80	23.1	11.2	0.88	490	1.30	2.17	8.2	2.7	610	26.8
K292209		15.30	0.12	1.1	0.074	3.10	23.7	10.4	0.76	373	0.99	1.84	6.9	2.5	560	25.0
K292210		16.15	0.14	1.1	0.062	2.55	26.2	13.6	0.80	305	0.77	1.94	7.9	2.6	580	21.9
K292211		17.30	0.13	1.2	0.211	3.22	28.5	14.4	0.72	297	0.80	0.56	7.3	2.8	610	28.7
K292212		16.80	0.16	1.1	0.179	3.07	28.2	13.5	0.69	289	0.65	0.59	6.8	2.6	580	25.4
K292213		17.00	0.17	1.0	0.158	3.64	36.8	18.6	0.59	395	0.47	0.06	3.4	2.6	530	25.8
K292214		15.95	0.14	1.3	0.139	3.57	30.9	10.0	0.91	1040	0.84	0.05	5.2	2.7	540	71.4
K292215		16.20	0.15	1.2	0.095	3.52	25.2	6.8	0.61	306	1.03	1.13	6.4	2.3	560	34.7
K292216		15.10	0.06	1.1	0.309	2.96	27.0	24.5	0.77	1860	14.25	0.15	6.0	14.1	510	470
K292217		17.60	0.11	1.3	0.071	2.67	25.3	12.0	0.85	482	0.79	2.36	8.7	2.9	630	25.1
K292218		16.60	0.10	1.3	0.079	2.68	23.3	11.7	0.83	440	0.91	2.13	8.2	2.8	600	30.4
K292219		17.40	0.12	1.2	0.122	3.43	21.8	14.7	0.64	502	2.18	0.52	7.5	2.5	570	22.6
K292220		16.60	0.11	1.2	0.123	3.23	25.1	14.7	0.87	629	1.48	0.55	7.7	2.6	590	25.3
K292221		16.90	0.06	1.1	0.196	3.08	23.3	15.8	0.87	1380	2.36	0.07	6.2	2.7	510	153.5
K292222		18.15	0.07	1.1	0.208	3.47	28.2	15.1	0.75	744	3.27	0.17	6.7	2.3	560	47.4
K292223		18.25	0.09	1.1	0.225	3.50	25.5	15.3	0.74	754	4.24	0.17	6.8	2.4	560	51.8
K292224		19.10	0.10	1.2	0.127	3.25	27.0	11.8	0.85	425	2.99	1.61	7.8	2.8	590	34.6

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

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Finalized Date: 24-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292189		87.5	<0.002	2.34	7.35	8.2	1	5.3	164.5	0.41	0.43	10.75	0.180	1.71	4.0	62
K292190		105.0	<0.002	0.14	15.90	10.7	<1	3.8	117.5	0.65	0.17	11.35	0.266	1.58	2.4	73
K292191		93.1	<0.002	0.29	3.48	9.7	1	2.5	337	0.60	0.85	11.50	0.243	1.73	3.1	65
K292192		122.5	<0.002	0.96	16.55	10.1	1	3.6	127.5	0.67	0.12	13.90	0.223	2.19	5.3	65
K292193		163.5	0.002	5.17	26.8	9.8	1	12.7	95.1	0.33	0.57	11.30	0.165	2.58	6.6	70
K292194		2.3	<0.002	<0.01	0.09	0.2	<1	0.2	50.6	<0.05	<0.05	0.49	<0.005	0.02	0.7	2
K292195		99.4	<0.002	0.50	18.25	9.2	1	2.9	81.6	0.71	0.18	13.60	0.238	2.00	4.1	64
K292196		134.0	<0.002	3.91	16.85	8.5	1	72.7	51.5	0.55	0.56	12.20	0.192	2.35	3.8	55
K292197		99.1	<0.002	0.51	10.80	8.6	1	2.8	130.5	0.75	0.13	10.60	0.238	2.01	5.7	64
K292198		109.0	<0.002	0.41	1.58	10.7	1	3.3	528	0.77	0.06	14.80	0.258	1.42	5.0	70
K292199		109.5	<0.002	0.57	6.47	10.9	1	3.6	143.0	0.60	0.10	13.80	0.261	1.54	3.3	72
K292200		169.5	<0.002	4.61	66.4	10.1	2	8.2	98.7	0.55	1.05	13.10	0.210	2.54	5.4	62
K292201		138.0	<0.002	0.31	10.05	10.2	1	3.5	198.0	0.61	0.07	12.25	0.247	1.80	3.2	65
K292202		145.5	<0.002	1.37	15.05	9.7	1	5.6	71.1	0.69	0.18	13.80	0.234	3.06	5.7	65
K292203		126.0	<0.002	3.35	68.4	7.1	1	7.4	45.4	0.38	0.22	9.96	0.147	2.39	14.6	48
K292204		136.0	0.005	0.93	15.70	10.6	1	3.4	80.5	0.59	0.08	13.60	0.243	2.47	5.1	68
K292205		159.5	<0.002	2.29	18.00	9.3	1	3.8	106.0	0.46	0.19	10.60	0.210	2.97	4.1	61
K292206		2.1	<0.002	<0.01	0.10	0.2	<1	<0.2	48.3	<0.05	<0.05	0.14	<0.005	0.02	0.7	1
K292207		87.2	<0.002	0.22	2.75	10.9	1	2.9	276	0.66	0.14	10.30	0.274	1.55	3.2	74
K292208		101.0	<0.002	0.14	1.08	11.5	1	2.7	376	0.60	0.06	11.55	0.267	1.29	2.9	74
K292209		125.5	<0.002	0.74	1.02	9.9	1	4.4	340	0.57	0.10	11.95	0.233	1.59	3.6	64
K292210		107.5	<0.002	0.40	3.13	10.6	1	4.0	315	0.65	0.09	14.00	0.255	1.60	3.3	66
K292211		152.0	<0.002	1.33	5.42	11.3	1	4.4	132.0	0.62	0.25	15.50	0.235	2.22	3.2	68
K292212		141.0	<0.002	1.21	5.06	9.7	1	4.0	129.0	0.55	0.22	13.75	0.219	2.09	3.0	65
K292213		189.5	<0.002	2.08	5.84	9.6	1	7.3	60.2	0.34	0.26	14.00	0.139	2.81	3.5	64
K292214		182.0	<0.002	2.31	7.94	8.9	2	7.3	77.7	0.49	0.35	14.15	0.171	3.34	4.7	60
K292215		156.0	<0.002	1.53	7.31	9.1	1	4.1	233	0.57	0.49	12.95	0.199	2.59	4.9	63
K292216		154.5	0.003	2.62	28.1	8.6	1	5.5	105.5	0.49	0.34	10.90	0.202	2.35	5.0	65
K292217		95.2	<0.002	0.23	1.03	11.3	1	2.4	407	0.69	0.05	12.85	0.276	1.42	4.2	73
K292218		103.0	<0.002	0.41	1.02	10.6	1	2.6	384	0.64	0.09	12.60	0.262	1.44	4.4	69
K292219		121.0	<0.002	0.98	10.90	9.6	1	5.1	167.0	0.60	0.24	10.70	0.241	2.28	4.3	67
K292220		123.5	<0.002	1.00	11.10	10.2	<1	4.7	176.5	0.61	0.27	12.25	0.239	2.20	5.1	69
K292221		148.5	<0.002	3.46	21.4	9.8	1	7.9	68.6	0.48	0.69	11.90	0.207	2.51	4.9	68
K292222		171.5	<0.002	1.65	18.55	9.7	<1	6.8	91.5	0.51	0.36	13.00	0.225	2.72	5.0	64
K292223		156.0	<0.002	1.67	18.90	9.5	1	6.8	91.9	0.52	0.34	12.50	0.218	2.77	4.9	64
K292224		129.0	<0.002	0.98	2.94	10.1	1	5.0	285	0.58	0.67	13.85	0.254	1.86	4.7	69

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CERTIFICATE OF ANALYSIS TR16108383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292189		2.2	11.3	157	20.9	0.130
K292190		2.0	13.9	40	28.3	0.013
K292191		1.4	13.5	52	27.5	0.026
K292192		7.3	14.0	162	31.3	0.091
K292193		7.4	10.0	107	30.1	0.303
K292194		0.1	0.8	19	0.7	<0.005
K292195		4.0	13.8	126	44.1	0.020
K292196		10.7	9.3	379	28.3	0.180
K292197		2.7	13.2	78	32.3	0.013
K292198		1.4	16.7	94	31.8	0.007
K292199		7.8	15.3	60	29.3	0.006
K292200		6.4	12.0	2320	30.0	0.864
K292201		2.5	13.5	55	26.5	0.009
K292202		3.7	13.8	206	31.6	0.088
K292203		4.6	10.8	736	21.0	0.564
K292204		3.3	13.8	105	27.4	0.049
K292205		6.5	14.2	829	22.1	0.301
K292206		0.1	0.9	20	<0.5	<0.005
K292207		1.3	15.3	69	28.0	0.019
K292208		0.8	16.9	78	25.9	0.009
K292209		1.2	13.9	64	28.2	0.055
K292210		1.6	13.7	62	29.0	0.022
K292211		2.0	16.8	108	30.6	0.045
K292212		1.7	14.7	106	28.7	0.039
K292213		2.7	12.4	100	25.5	0.038
K292214		5.4	11.8	322	30.1	0.068
K292215		3.2	13.3	90	28.6	0.046
K292216		5.4	11.3	859	30.4	0.358
K292217		1.9	17.4	59	31.4	0.010
K292218		1.3	16.7	77	33.1	0.006
K292219		3.8	12.3	75	28.9	0.064
K292220		3.6	13.8	81	29.4	0.076
K292221		6.9	12.0	517	26.3	0.332
K292222		8.7	11.5	102	26.2	0.204
K292223		8.6	11.1	100	26.9	0.196
K292224		3.8	14.1	83	32.7	0.101

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Project: Klaza

Finalized Date: 24-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108383

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

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Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108384

Project: Klaza

P.O. No.: Batch 12

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

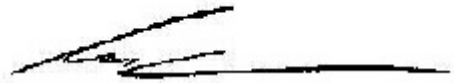
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108384

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292225		1.40	0.19	7.43	6.3	2330	1.63	0.34	2.53	0.27	46.9	7.6	15	8.29	27.7	2.81
K292226		1.33	0.20	7.61	5.8	2880	1.62	0.44	2.74	0.26	47.7	7.0	16	8.12	19.1	3.15
K292227		1.34	0.65	7.30	26.9	1850	1.59	1.50	2.48	0.41	43.8	6.3	14	15.65	32.8	3.22
K292228		1.42	7.81	6.62	319	350	1.31	14.05	2.21	37.2	51.2	11.0	12	9.75	260	6.73
K292229		5.95	0.03	0.05	<0.2	20	0.07	0.05	20.4	0.10	1.11	0.7	1	0.15	9.6	0.48
K292230		1.17	1.35	7.20	52.5	890	1.57	2.93	2.55	0.94	44.7	10.7	15	15.75	39.9	3.77
K292231		1.34	0.71	7.79	11.8	1440	1.76	2.45	2.74	2.16	52.8	11.0	13	9.17	51.0	3.23
K292232		1.33	1.88	7.59	10.5	1030	1.89	6.67	2.18	3.50	55.2	10.2	16	6.51	66.1	3.15
K292233		1.50	0.18	7.43	6.2	2300	1.48	0.59	2.42	0.36	56.3	7.9	16	10.60	16.1	3.00
K292234		1.51	0.13	7.19	4.6	2440	1.52	0.40	2.77	0.31	43.7	6.4	66	11.15	15.7	3.09
K292235		1.46	1.51	7.54	90.3	1150	1.69	1.93	1.90	2.12	51.0	7.8	41	14.55	163.5	3.91
K292236		0.66	1.08	7.48	65.3	1570	1.60	1.30	1.97	1.08	51.4	8.1	25	15.50	89.5	3.82
K292237		2.40	1.48	7.44	111.5	580	1.54	2.14	1.37	1.12	54.0	7.5	27	13.40	122.0	4.47
K292238		1.33	1.75	7.07	110.0	560	1.46	3.37	1.56	1.74	48.9	14.7	28	13.10	227	6.21
K292239		4.25	0.36	7.61	13.0	1710	1.35	1.08	1.74	0.70	42.2	7.6	27	10.90	40.3	3.04
K292240		0.27	4.61	6.55	700	660	1.45	3.20	2.05	10.50	49.7	11.2	25	12.70	309	4.82
K292241		5.13	0.69	7.63	22.2	1920	1.37	1.74	1.47	1.78	43.2	8.5	23	12.00	35.2	3.49
K292242		1.28	0.77	7.92	25.6	1940	1.33	4.37	1.21	0.51	37.7	7.5	17	9.88	72.2	3.50
K292243		1.12	0.60	8.02	31.6	1770	1.27	2.07	1.10	0.46	54.3	9.6	16	11.05	36.7	3.62
K292244		1.28	0.99	7.10	60.1	1100	1.35	2.02	1.40	0.69	40.7	5.4	17	21.6	103.5	3.53
K292245		<0.02	0.99	7.18	59.2	1100	1.40	2.11	1.42	0.68	45.9	5.4	15	21.3	101.5	3.58
K292246		1.53	0.89	6.44	63.3	270	1.38	1.91	0.40	1.28	44.8	6.0	16	8.66	105.0	4.04
K292247		5.91	0.01	0.07	0.3	50	0.08	0.07	21.2	0.06	1.13	0.8	4	0.21	2.4	0.50
K292248		1.13	1.32	7.45	41.5	840	1.62	2.81	1.55	3.66	57.1	6.8	10	15.60	85.9	5.19
K292249		1.38	1.40	7.50	31.4	1670	1.28	3.86	1.33	4.15	53.0	7.2	16	12.85	87.0	3.14
K292250		2.80	0.42	7.21	38.6	1590	1.34	1.69	1.50	0.75	42.3	8.2	18	17.10	63.6	3.22
K292251		2.61	1.81	7.37	61.6	1020	1.69	4.63	1.96	2.46	52.6	5.9	26	12.05	71.6	4.60
K292252		0.27	12.75	6.63	1600	220	1.38	12.35	1.94	33.5	44.4	17.8	20	13.60	299	6.63
K292253		1.53	0.31	7.53	10.8	2060	1.62	1.04	2.72	0.79	49.5	4.3	25	10.90	14.5	3.22
K292254		1.25	0.36	7.48	12.0	2090	1.71	1.17	2.62	0.50	49.2	8.3	17	12.50	7.0	3.16
K292255		1.44	8.86	6.44	326	330	1.47	7.98	2.56	85.8	47.1	4.9	16	13.85	366	4.26
K292256		1.32	1.06	6.86	24.3	1370	1.63	2.15	2.27	4.27	42.7	6.4	16	20.5	23.0	2.75
K292257		1.36	1.18	6.74	27.9	1480	1.52	2.15	1.88	3.86	43.3	11.1	12	14.15	28.4	3.34
K292258		1.38	0.24	7.44	9.4	2110	1.37	0.80	2.49	0.46	43.7	5.4	21	8.78	19.8	3.02
K292259		1.47	0.27	7.46	7.6	2100	1.56	0.52	2.35	0.28	44.7	6.4	16	11.55	16.7	3.24
K292260		1.15	1.01	7.26	50.2	980	1.49	1.55	0.80	0.22	54.5	6.1	14	10.30	182.0	4.38

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

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VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292225		17.15	<0.05	1.3	0.053	2.84	24.8	12.6	0.75	343	1.02	2.35	8.0	2.4	580	25.7
K292226		17.05	<0.05	1.2	0.072	2.88	24.7	10.9	0.76	349	1.11	2.24	7.8	2.6	570	25.9
K292227		17.65	0.06	1.1	0.113	3.71	22.4	13.9	0.69	831	1.08	0.66	7.7	2.3	610	41.1
K292228		16.75	0.08	0.8	0.358	3.28	28.6	5.5	1.08	1610	0.81	0.04	4.6	2.3	490	948
K292229		0.19	<0.05	<0.1	0.006	0.02	0.6	1.0	12.70	217	0.05	<0.01	0.1	1.3	170	2.4
K292230		16.80	<0.05	0.9	0.209	3.68	22.9	7.8	0.84	1660	0.64	0.29	7.1	1.9	600	61.1
K292231		18.05	<0.05	0.9	0.132	2.13	27.8	10.4	0.86	374	0.86	2.69	7.6	1.9	610	109.5
K292232		16.45	<0.05	0.9	0.208	1.70	30.2	9.8	0.69	339	0.81	3.13	6.5	1.8	590	247
K292233		17.05	<0.05	1.3	0.067	2.86	29.9	15.0	0.86	394	1.49	2.08	8.0	2.6	600	24.3
K292234		17.10	0.06	1.0	0.066	2.75	21.4	15.7	0.76	573	2.58	2.06	7.6	3.2	570	25.2
K292235		17.50	0.07	1.0	0.186	3.46	26.5	13.0	0.64	1120	1.24	0.61	7.1	2.7	580	95.3
K292236		17.20	0.07	1.1	0.140	3.48	26.7	14.2	0.63	1030	1.34	0.59	7.5	2.7	590	60.4
K292237		17.35	0.05	1.0	0.197	3.53	29.3	8.5	0.78	969	1.34	0.05	5.6	2.7	590	87.3
K292238		16.10	0.07	0.9	0.227	3.43	25.5	13.2	0.78	721	1.88	0.06	4.7	3.2	560	70.5
K292239		17.05	0.08	1.2	0.106	2.88	21.4	25.7	0.62	486	2.35	0.23	7.7	2.9	640	38.4
K292240		15.45	0.08	0.9	0.289	2.90	28.1	25.2	0.77	1800	14.95	0.14	5.9	14.0	500	468
K292241		20.1	0.07	1.0	0.119	2.91	21.9	23.1	0.52	688	1.74	0.09	7.6	2.4	590	75.2
K292242		25.6	0.08	1.1	0.152	3.39	17.8	20.8	0.51	684	3.31	0.10	8.1	2.3	670	22.1
K292243		18.80	0.10	1.1	0.139	3.03	28.9	20.3	0.53	546	1.03	0.09	8.1	2.5	670	28.8
K292244		18.30	0.08	1.0	0.167	3.03	21.2	22.3	0.68	777	3.10	0.07	6.2	2.4	530	42.3
K292245		18.90	0.08	1.0	0.169	3.03	24.7	21.7	0.71	787	1.40	0.07	6.4	2.3	540	44.4
K292246		16.35	0.07	0.7	0.206	3.20	23.2	25.0	0.47	662	1.86	0.04	3.9	2.7	470	35.7
K292247		0.29	<0.05	<0.1	0.005	0.03	0.6	1.1	13.05	213	0.10	0.01	0.2	1.4	170	1.4
K292248		17.45	0.06	0.8	0.325	3.63	32.2	8.0	1.02	1100	1.13	0.05	4.2	2.4	630	62.0
K292249		17.25	0.06	0.8	0.154	2.85	29.0	39.4	0.60	554	0.56	0.06	6.5	2.6	620	82.7
K292250		17.45	0.07	0.9	0.133	2.65	21.6	43.4	0.60	523	0.71	0.06	6.8	2.5	600	45.1
K292251		17.45	0.10	0.9	0.182	3.41	27.9	16.8	0.78	588	3.34	0.65	7.5	2.9	580	99.9
K292252		16.15	0.08	1.0	0.794	2.97	23.3	20.1	0.78	1810	9.61	0.13	6.4	12.5	540	1320
K292253		16.85	0.08	0.9	0.153	2.79	25.6	13.3	0.87	448	2.32	1.86	8.0	2.4	610	24.4
K292254		17.15	0.09	1.0	0.120	2.95	25.6	13.1	0.75	337	2.63	1.71	8.0	2.9	610	32.1
K292255		16.55	0.10	0.8	0.614	3.21	24.5	9.2	1.05	1450	1.83	0.07	6.3	3.1	550	2930
K292256		16.50	0.07	0.8	0.195	3.28	21.1	16.2	0.65	662	0.78	0.13	7.2	2.8	560	140.0
K292257		16.85	0.07	0.8	0.160	3.08	21.2	17.3	0.55	343	1.48	0.23	6.7	3.0	550	200
K292258		16.45	0.08	1.0	0.085	2.91	23.6	12.9	0.81	483	4.02	2.02	7.2	2.4	580	21.9
K292259		16.05	0.08	0.9	0.075	2.95	23.5	12.9	0.80	410	139.0	1.58	6.9	2.3	560	22.5
K292260		17.95	0.07	1.0	0.162	3.66	30.8	8.8	0.52	601	295	0.07	5.7	2.5	520	17.8

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Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292225		93.7	<0.002	0.44	1.43	10.3	1	2.7	404	0.73	0.11	11.50	0.251	1.46	4.4	67
K292226		107.0	<0.002	0.75	1.32	10.1	1	2.9	414	0.68	0.11	11.50	0.245	1.62	4.3	66
K292227		145.0	<0.002	1.27	3.12	11.0	1	5.8	174.0	0.62	0.17	10.85	0.258	2.58	3.8	71
K292228		205	<0.002	6.54	7.36	9.1	2	14.3	49.6	0.36	0.54	10.85	0.160	3.08	3.1	59
K292229		1.2	<0.002	0.01	0.09	0.2	<1	<0.2	47.1	<0.05	<0.05	0.10	<0.005	<0.02	0.6	2
K292230		176.5	<0.002	2.29	4.24	10.2	1	6.5	92.3	0.58	0.28	11.15	0.235	3.59	4.2	67
K292231		100.5	<0.002	1.57	2.31	12.0	1	4.8	326	0.63	0.54	12.45	0.253	1.70	4.7	73
K292232		93.3	<0.002	2.19	2.66	10.0	2	5.5	291	0.56	1.04	12.95	0.224	1.54	4.8	67
K292233		116.5	<0.002	0.67	1.15	11.3	1	3.2	369	0.71	0.10	13.20	0.243	1.70	4.9	69
K292234		95.6	<0.002	0.16	1.40	10.5	1	2.4	390	0.60	0.06	9.18	0.254	1.65	3.5	68
K292235		155.5	<0.002	1.82	35.9	10.3	1	6.5	155.5	0.58	0.14	11.95	0.237	2.72	5.0	67
K292236		150.0	<0.002	1.47	21.2	10.4	1	5.7	162.0	0.59	0.12	11.80	0.242	2.82	4.8	67
K292237		194.5	<0.002	3.01	29.8	10.5	1	10.5	50.0	0.48	0.34	12.25	0.203	3.22	4.9	66
K292238		178.0	<0.002	5.01	31.9	8.8	2	8.5	82.7	0.39	0.57	9.94	0.173	2.66	4.1	57
K292239		100.5	<0.002	0.60	7.03	9.9	1	3.5	98.9	0.66	0.15	11.90	0.250	1.90	3.3	73
K292240		157.0	0.005	2.62	26.0	8.7	1	5.6	104.5	0.45	0.29	11.50	0.195	2.55	5.0	65
K292241		122.5	<0.002	1.11	11.95	10.3	1	5.8	73.1	0.58	0.26	12.35	0.247	2.04	3.5	71
K292242		127.0	<0.002	1.16	11.70	12.1	1	7.4	81.7	0.61	1.15	12.65	0.275	2.18	2.7	79
K292243		129.5	<0.002	1.09	9.17	11.4	1	4.2	73.9	0.60	0.47	16.05	0.277	2.06	6.9	77
K292244		124.0	<0.002	1.07	39.0	9.3	1	6.4	60.4	0.50	0.16	11.85	0.211	2.33	4.8	63
K292245		130.0	<0.002	1.04	39.3	9.8	1	6.6	60.3	0.52	0.14	12.95	0.213	2.50	5.0	64
K292246		195.5	<0.002	2.76	39.2	8.3	1	11.8	30.1	0.29	0.24	9.82	0.149	3.15	3.2	59
K292247		1.5	<0.002	0.01	0.12	0.2	1	0.2	51.6	<0.05	<0.05	0.09	<0.005	<0.02	0.5	2
K292248		207	<0.002	2.23	20.8	10.4	1	7.4	49.3	0.31	0.27	11.95	0.184	3.33	3.9	73
K292249		136.0	<0.002	1.37	41.1	9.7	1	5.7	100.0	0.50	0.39	12.35	0.226	2.58	7.1	65
K292250		105.5	<0.002	1.31	29.5	10.1	1	5.5	83.0	0.51	0.23	10.75	0.236	2.33	6.3	71
K292251		158.5	<0.002	2.43	3.66	10.3	1	5.3	157.0	0.62	0.40	13.85	0.237	2.58	4.9	68
K292252		163.0	<0.002	4.71	68.5	9.3	2	8.4	98.0	0.52	1.23	11.30	0.208	2.83	5.3	65
K292253		113.0	<0.002	0.44	2.17	11.0	1	3.1	343	0.62	0.07	13.50	0.265	1.76	4.4	77
K292254		118.0	<0.002	0.97	2.45	10.7	1	3.8	340	0.66	0.12	14.15	0.250	1.84	4.6	68
K292255		150.5	<0.002	3.60	73.9	9.7	1	11.3	71.9	0.49	0.36	10.65	0.206	3.28	4.6	68
K292256		118.0	<0.002	1.08	8.60	9.5	1	4.7	94.9	0.60	0.14	11.00	0.244	2.70	4.9	70
K292257		123.0	<0.002	1.90	14.00	9.2	1	6.0	91.7	0.54	0.17	10.50	0.222	2.36	4.3	66
K292258		113.5	<0.002	0.15	1.34	10.1	1	2.2	361	0.53	0.20	11.25	0.245	1.52	3.5	68
K292259		119.0	0.045	0.50	2.08	9.7	1	3.8	359	0.53	0.07	11.90	0.236	1.68	3.7	67
K292260		207	0.113	2.47	7.17	9.5	1	18.5	29.2	0.51	0.28	13.00	0.194	2.65	3.6	64

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

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

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

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292225		0.9	18.1	57	29.6	0.016
K292226		1.3	15.4	64	29.2	0.019
K292227		2.7	12.7	78	28.2	0.046
K292228		8.7	8.7	3240	20.6	0.554
K292229		0.1	0.7	20	<0.5	<0.005
K292230		5.0	12.6	118	23.5	0.040
K292231		2.5	14.4	211	24.9	0.033
K292232		4.2	13.6	300	23.6	0.043
K292233		1.3	17.7	59	32.6	0.014
K292234		2.7	14.4	66	25.1	0.010
K292235		4.4	12.2	220	26.3	0.121
K292236		3.2	12.5	126	27.6	0.044
K292237		6.2	10.2	156	25.3	0.190
K292238		3.4	11.7	137	22.8	0.496
K292239		2.9	12.8	123	29.7	0.047
K292240		5.4	10.7	845	27.7	0.380
K292241		8.0	11.7	164	27.7	0.045
K292242		8.0	12.9	98	29.5	0.086
K292243		4.8	15.3	88	28.3	0.264
K292244		8.3	8.9	120	25.1	0.106
K292245		8.4	9.7	122	25.4	0.112
K292246		8.7	7.4	145	18.1	0.049
K292247		0.1	0.7	20	<0.5	<0.005
K292248		5.6	11.1	354	20.9	0.056
K292249		3.1	12.7	381	21.0	0.080
K292250		2.4	11.0	112	22.8	0.092
K292251		6.1	12.7	254	23.0	0.263
K292252		6.5	11.0	2440	29.1	0.906
K292253		1.6	16.0	105	23.2	0.102
K292254		1.2	15.2	76	25.1	0.046
K292255		9.4	10.0	7130	21.9	0.896
K292256		1.4	12.6	349	20.2	0.020
K292257		3.0	11.7	351	22.9	0.060
K292258		1.5	14.8	70	25.1	0.010
K292259		2.0	13.2	67	24.7	0.016
K292260		4.9	10.1	75	27.0	0.076

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108384

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108385

Project: Klaza

P.O. No.: Batch 13

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

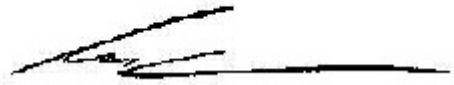
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108385

Sample Description	Method	WEI-21	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K292261		1.53		84.0	4.94	600	160	1.07	170.0	3.12	83.3	36.3	4.8	8	10.05	1500
K292262		1.30		0.93	7.52	105.5	1140	1.54	0.94	1.47	0.51	45.0	5.5	10	16.50	180.0
K292263		1.75		1.09	7.50	47.3	1180	1.62	1.67	1.01	0.29	51.1	6.5	14	10.15	150.5
K292264		0.72		0.86	7.36	46.4	1090	1.57	1.34	1.02	0.21	53.8	6.2	10	10.50	152.5
K292265		1.41		0.55	7.17	13.9	2020	1.62	0.89	2.47	1.14	46.5	6.0	12	11.05	23.9
K292266		2.92		0.37	6.84	127.5	1010	1.26	0.83	1.24	0.23	40.8	7.8	8	21.6	27.7
K292267		4.67		0.52	7.22	26.0	1940	1.30	1.06	1.77	0.27	42.0	8.2	10	13.50	40.8
K292268		0.28		12.20	6.31	1510	650	1.32	11.65	1.83	31.3	44.3	16.4	19	12.60	280
K292269		1.58		5.57	7.20	91.2	1140	1.31	8.51	0.82	3.18	38.3	7.3	11	9.59	438
K292270		1.78		9.43	6.54	156.0	840	1.43	10.75	1.46	6.22	39.2	9.8	10	13.00	211
K292271		3.33		5.55	6.31	183.0	490	1.36	8.21	2.83	5.37	44.4	7.8	9	16.30	281
K292272		1.99		16.60	6.95	153.5	900	1.27	71.7	1.85	2.11	52.3	5.7	9	16.80	1120
K292273		1.51		8.57	6.78	363	380	1.30	14.50	1.46	4.35	51.6	5.5	10	9.69	1200
K292274		2.68		1.58	6.62	93.1	1300	1.35	3.81	1.96	1.55	47.8	7.0	10	12.90	238
K292275		1.28	25.9	26.6	6.69	530	330	1.41	22.2	0.94	2.99	56.6	4.0	12	9.95	4170
K292276		3.15		1.17	7.15	36.2	1130	1.41	2.31	1.53	1.86	45.2	5.0	10	11.30	89.0
K292277		0.30		4.76	6.86	724	590	1.53	3.33	2.14	11.25	50.3	11.9	26	12.55	319
K292278		1.66		1.14	5.56	49.4	980	1.34	1.96	1.96	1.74	32.8	7.5	13	11.45	108.0
K292279		1.36		1.92	8.09	99.4	510	2.01	4.35	1.56	1.93	35.9	13.1	10	20.7	162.0
K292280		1.75		7.93	5.29	330	1920	1.24	22.6	2.08	32.4	30.2	28.4	9	10.35	860
K292281		6.01		0.02	0.07	<0.2	50	0.07	0.04	20.7	0.10	1.34	0.8	1	0.18	2.7
K292282		2.17		1.81	7.19	160.0	590	1.92	2.79	2.80	3.16	39.3	8.8	10	17.25	162.0
K292283		3.38		2.19	7.96	92.8	2000	1.63	3.84	0.92	1.48	49.2	10.8	13	14.75	378
K292284		1.40		1.57	8.30	74.3	1590	1.15	7.68	0.49	7.97	55.8	5.7	10	9.06	272
K292285		1.34		1.15	8.34	63.3	1540	1.21	5.67	0.61	0.62	54.7	6.2	11	15.50	262
K292286		1.29		0.39	7.39	11.4	2310	1.62	1.53	2.49	0.62	43.6	8.9	11	9.33	15.4
K292287		1.39		0.74	7.14	25.5	2250	1.60	2.08	2.64	0.90	43.9	7.3	9	17.35	72.7
K292288		1.42		0.71	7.44	61.8	2000	1.63	2.00	2.23	1.23	47.4	5.5	10	15.55	108.0
K292289		1.56		3.69	5.41	145.0	110	1.38	6.81	2.27	1.54	20.5	18.1	9	7.73	229
K292290		<0.02		3.63	6.25	155.5	220	1.33	6.33	1.87	1.99	36.5	17.1	9	8.04	290
K292291		1.32		0.40	7.59	12.8	2460	1.63	1.39	2.70	0.25	55.0	5.5	13	9.96	22.6
K292292		5.95		0.01	0.06	<0.2	80	0.06	0.02	21.0	0.07	1.14	0.6	1	0.23	1.6
K292293		1.27		0.70	7.37	25.3	2590	1.47	4.18	2.55	0.34	52.7	5.8	13	9.42	57.3
K292294		1.34		1.62	7.38	23.0	1930	1.59	3.65	2.20	0.42	50.1	5.3	11	9.47	552
K292295		1.35		0.50	7.48	6.1	2410	1.63	1.94	2.84	0.23	49.3	5.6	12	5.24	37.9
K292296		1.44		2.75	7.36	15.2	2210	1.83	6.45	2.53	0.49	50.9	4.6	14	7.18	446

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

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108385

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K292261		8.94	12.50	0.08	0.6	1.305	2.32	19.9	8.5	1.23	3890	7.03	0.03	4.0	2.1	370
K292262		3.93	18.05	0.08	1.0	0.131	3.21	23.7	24.1	0.70	822	24.0	0.06	7.6	2.3	580
K292263		4.55	18.90	0.06	1.0	0.161	3.70	28.1	9.9	0.64	479	2.24	0.33	6.2	2.5	550
K292264		4.59	17.85	0.07	1.1	0.160	3.50	30.0	9.5	0.63	474	1.67	0.29	6.2	2.3	550
K292265		3.17	16.60	0.09	1.1	0.096	2.99	23.8	11.2	0.82	443	7.39	2.07	7.7	2.4	610
K292266		2.24	15.75	0.08	0.9	0.081	1.91	20.7	61.8	0.42	416	2.32	0.04	7.4	2.8	540
K292267		3.38	17.25	0.09	1.1	0.105	2.96	21.2	37.1	0.79	415	3.06	0.09	7.8	2.5	600
K292268		6.23	15.10	0.07	0.9	0.741	2.77	23.9	18.1	0.74	1710	8.67	0.12	6.0	11.7	510
K292269		3.94	18.00	0.07	0.9	0.163	3.20	19.3	21.3	0.38	337	2.27	0.08	6.9	3.0	570
K292270		4.29	16.05	0.07	0.9	0.162	3.21	20.4	24.2	0.55	635	1.39	0.07	5.9	2.4	540
K292271		4.05	15.30	0.07	0.9	0.235	2.91	25.0	14.4	1.12	1160	2.15	0.03	4.9	2.3	460
K292272		3.17	16.60	0.08	0.9	0.746	3.08	29.6	10.2	0.79	819	3.06	0.04	6.0	2.4	520
K292273		4.87	16.45	0.08	0.8	0.632	3.23	29.4	12.0	0.72	959	1.91	0.04	3.9	2.3	480
K292274		3.10	15.40	0.08	0.8	0.154	2.52	25.7	57.9	0.66	793	1.23	0.05	6.5	2.1	550
K292275		6.92	18.05	0.20	0.8	1.980	3.32	31.2	11.2	0.60	519	1.72	0.05	3.7	9.5	470
K292276		2.56	15.95	0.23	1.0	0.099	3.77	23.3	20.5	0.63	443	21.6	0.09	4.8	2.6	550
K292277		5.14	15.60	0.18	1.1	0.299	3.13	28.6	27.5	0.80	1900	15.35	0.15	5.7	14.8	550
K292278		2.34	12.60	0.18	0.8	0.086	3.31	16.0	11.2	0.52	470	25.2	0.07	3.7	2.4	400
K292279		3.86	19.75	0.19	0.9	0.132	4.03	14.5	11.9	0.72	559	0.36	0.06	4.1	3.1	630
K292280		6.97	14.30	0.16	0.7	0.345	2.58	15.0	12.9	1.01	1740	3.60	0.03	2.8	3.6	400
K292281		0.54	0.24	0.12	<0.1	0.005	0.03	0.7	1.1	12.65	219	0.10	<0.01	0.2	1.8	220
K292282		3.32	16.80	0.28	1.0	0.093	3.28	20.1	12.5	1.24	1760	8.09	0.03	4.7	2.6	580
K292283		3.05	18.10	0.32	1.1	0.253	3.74	28.2	17.9	0.50	401	4.78	0.07	5.9	3.5	650
K292284		3.45	18.80	0.19	1.3	0.137	2.61	29.6	30.1	0.36	604	1.15	0.08	8.3	3.0	740
K292285		3.13	18.25	0.19	1.2	0.093	2.47	29.4	47.2	0.35	568	2.05	0.08	7.9	2.7	630
K292286		3.17	16.45	0.20	0.9	0.097	3.07	19.2	12.4	0.76	374	2.20	2.06	6.8	2.6	590
K292287		3.01	17.55	0.21	1.0	0.178	3.68	20.9	20.1	0.77	529	1.52	0.25	7.0	2.2	600
K292288		3.31	17.85	0.25	1.2	0.200	3.78	22.3	27.5	0.70	822	0.95	0.11	7.2	2.3	600
K292289		6.89	15.60	0.19	0.8	0.186	3.00	9.6	13.8	0.35	347	7.02	0.04	3.1	2.6	430
K292290		6.61	16.10	0.20	0.9	0.204	3.14	17.2	12.8	0.41	379	7.12	0.04	3.2	2.8	460
K292291		3.03	16.95	0.25	1.1	0.097	2.97	28.9	13.6	0.79	368	0.91	1.92	7.3	2.5	610
K292292		0.50	0.25	0.14	<0.1	0.006	0.03	0.5	1.1	12.95	226	0.14	0.01	0.1	1.6	190
K292293		3.05	16.70	0.25	1.1	0.085	2.75	28.1	10.3	0.77	346	0.76	2.10	7.0	2.5	570
K292294		3.13	16.45	0.26	1.0	0.155	3.18	27.6	10.9	0.79	319	1.29	1.84	6.8	2.5	580
K292295		3.34	16.65	0.22	1.3	0.114	2.86	25.6	7.1	0.81	392	0.93	2.16	7.5	2.6	590
K292296		3.63	17.60	0.23	1.3	0.263	3.10	27.3	9.8	0.86	451	0.58	1.65	7.9	2.8	620

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108385

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K292261		2390	137.0	<0.002	9.13	73.6	6.7	2	11.0	41.4	0.34	2.03	8.24	0.134	2.34	2.3
K292262		23.3	148.5	0.006	1.29	32.2	10.0	1	9.1	73.9	0.62	0.10	12.20	0.241	2.77	4.2
K292263		20.6	209	<0.002	2.44	7.13	10.7	1	17.5	74.2	0.49	0.24	13.15	0.210	2.74	4.5
K292264		17.0	201	<0.002	2.51	7.17	10.4	1	16.3	68.0	0.53	0.24	14.70	0.205	2.82	5.4
K292265		44.8	114.5	<0.002	0.39	1.73	10.4	1	3.3	348	0.59	0.06	11.45	0.258	1.77	3.6
K292266		34.4	86.4	<0.002	0.93	29.0	9.1	1	2.8	83.2	0.58	0.14	12.40	0.235	1.93	8.4
K292267		38.2	109.5	<0.002	0.81	8.68	10.6	<1	3.0	91.5	0.60	0.23	12.95	0.249	2.09	3.2
K292268		1245	158.5	<0.002	4.44	63.7	8.6	2	7.7	92.5	0.48	1.42	11.00	0.195	2.66	4.8
K292269		395	160.0	<0.002	2.38	19.80	10.3	1	5.5	58.2	0.52	0.31	11.80	0.229	2.05	2.8
K292270		1175	153.5	<0.002	2.48	17.65	9.2	1	4.5	68.2	0.46	0.27	10.45	0.203	2.41	3.5
K292271		234	179.0	<0.002	2.66	34.2	8.4	1	5.0	77.2	0.41	0.27	11.35	0.165	2.64	3.7
K292272		148.0	169.5	<0.002	1.93	96.4	9.5	1	6.6	51.0	0.49	0.48	13.30	0.197	2.75	3.8
K292273		142.5	209	<0.002	4.49	243	9.0	1	9.9	30.0	0.32	0.60	11.85	0.141	2.85	2.7
K292274		68.4	127.0	<0.002	1.60	51.3	9.4	1	3.9	101.0	0.49	0.30	11.70	0.215	2.26	3.8
K292275		135.0	223	0.002	6.25	57.7	8.9	1	11.0	27.0	0.33	1.10	10.15	0.148	2.64	2.1
K292276		101.0	181.0	0.003	1.47	10.60	9.2	1	4.8	98.7	0.42	0.23	12.30	0.184	2.75	2.7
K292277		494	164.5	0.003	2.78	28.8	9.1	1	5.6	108.5	0.48	0.32	10.55	0.205	2.68	4.9
K292278		58.2	179.0	0.002	1.47	13.15	7.1	1	2.8	98.9	0.33	0.18	9.35	0.137	2.64	2.3
K292279		115.5	232	<0.002	3.16	36.7	11.6	1	4.4	62.2	0.38	0.98	12.85	0.181	3.92	3.6
K292280		432	188.0	<0.002	7.23	153.0	6.9	2	5.3	46.2	0.24	0.92	8.75	0.128	2.60	4.0
K292281		1.7	1.5	<0.002	0.02	0.23	0.2	<1	<0.2	49.7	<0.05	<0.05	0.09	<0.005	0.02	0.4
K292282		148.0	209	<0.002	2.43	45.3	9.8	1	3.6	56.0	0.39	0.21	12.00	0.178	3.99	5.0
K292283		71.8	198.0	0.002	1.47	25.6	11.0	1	4.2	63.1	0.46	0.28	13.25	0.223	2.90	4.3
K292284		189.5	119.5	<0.002	0.90	66.7	11.3	1	2.8	54.1	0.69	0.11	13.35	0.288	1.58	2.8
K292285		25.0	111.0	<0.002	0.80	56.2	11.0	1	2.6	68.6	0.64	0.64	14.35	0.266	1.40	3.7
K292286		30.6	121.0	<0.002	1.31	2.47	11.1	1	3.3	367	0.47	0.42	10.20	0.253	1.99	3.3
K292287		33.9	133.5	<0.002	1.18	18.20	10.5	1	5.0	141.0	0.54	0.44	10.00	0.254	2.59	4.4
K292288		56.2	147.0	<0.002	1.08	15.90	10.4	1	5.0	110.0	0.57	0.55	11.45	0.255	2.95	4.3
K292289		60.6	153.5	<0.002	7.01	80.1	6.3	1	10.2	46.9	0.27	0.88	7.28	0.115	2.34	3.7
K292290		61.6	181.5	<0.002	6.79	79.5	7.1	1	10.7	35.2	0.28	0.66	9.69	0.124	2.41	3.8
K292291		24.2	118.5	<0.002	1.05	3.74	10.4	<1	3.4	357	0.59	0.16	13.15	0.251	1.69	4.0
K292292		1.3	1.5	<0.002	<0.01	0.09	0.2	<1	<0.2	51.3	<0.05	<0.05	0.08	<0.005	0.02	0.8
K292293		26.2	113.0	<0.002	1.05	2.03	9.8	1	3.0	439	0.58	0.26	13.40	0.238	1.58	4.5
K292294		20.5	148.5	<0.002	1.35	2.10	9.8	1	3.7	305	0.57	0.13	12.70	0.234	1.93	4.3
K292295		18.9	110.5	<0.002	0.65	1.37	10.5	1	2.3	343	0.61	0.17	12.45	0.251	1.47	4.2
K292296		20.3	141.0	<0.002	1.04	2.01	12.0	1	4.0	256	0.69	0.21	12.70	0.256	2.00	4.7

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

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108385

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K292261		46	5.7	8.8	6230	16.9	0.569
K292262		69	5.3	11.6	118	29.1	0.088
K292263		68	4.3	13.1	86	27.3	0.068
K292264		66	4.2	12.9	75	29.2	0.062
K292265		77	2.1	13.8	122	28.7	0.028
K292266		64	3.9	11.5	39	26.0	0.037
K292267		70	4.2	12.1	60	32.6	0.048
K292268		60	5.9	9.8	2310	25.8	0.877
K292269		68	5.6	10.9	217	27.5	0.732
K292270		66	4.0	10.6	432	26.2	0.903
K292271		54	4.6	12.2	462	24.0	1.060
K292272		61	5.5	11.6	203	28.1	2.05
K292273		58	7.6	7.7	387	22.8	1.250
K292274		66	3.9	13.0	222	23.4	0.736
K292275		57	7.4	9.2	308	21.3	>10.0
K292276		62	4.0	11.6	176	25.4	0.086
K292277		66	5.6	11.1	872	27.2	0.365
K292278		52	4.3	8.8	164	18.6	0.182
K292279		72	3.8	10.1	155	22.3	0.645
K292280		52	4.7	8.5	2560	16.3	2.93
K292281		2	0.1	0.7	20	<0.5	<0.005
K292282		69	8.0	11.2	268	25.5	0.209
K292283		75	7.8	11.2	120	26.1	0.677
K292284		72	5.0	12.9	419	32.4	0.152
K292285		68	4.6	12.9	77	31.3	0.063
K292286		71	1.6	13.7	92	24.7	0.024
K292287		71	3.4	13.6	110	26.6	0.206
K292288		70	3.6	12.2	151	28.4	0.125
K292289		42	7.7	4.3	112	21.2	0.392
K292290		45	8.0	5.5	148	21.5	0.315
K292291		67	1.4	14.5	64	27.4	0.081
K292292		2	0.1	0.8	19	<0.5	<0.005
K292293		64	1.3	15.1	59	26.3	0.212
K292294		65	2.4	15.7	64	26.1	0.445
K292295		68	1.2	16.1	66	29.3	0.018
K292296		70	2.8	17.8	87	29.6	0.206

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

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

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108385

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	Au-GRA22	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108386

Project: Klaza

P.O. No.: Batch 15

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

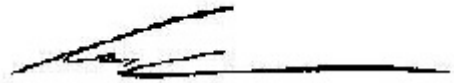
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108386

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292297		1.19	1.12	7.59	18.7	1000	1.60	3.02	2.40	0.58	55.5	4.8	12	8.05	151.5	4.00
K292298		1.65	6.52	7.14	133.5	140	1.43	25.6	2.16	1.63	43.4	5.6	11	8.82	702	5.85
K292299		2.47	6.46	6.91	38.0	320	1.45	31.4	2.68	1.74	57.3	10.5	11	15.05	1000	4.33
K292300		1.23	1.25	6.98	28.6	530	1.50	4.77	2.48	1.30	61.1	8.5	10	14.95	205	3.49
K292301		1.38	1.89	7.78	14.0	1840	1.57	5.12	2.42	5.61	55.1	5.2	14	10.55	223	3.36
K292302		1.24	21.8	7.55	130.5	290	1.56	51.0	2.14	7.26	48.9	10.0	11	11.10	985	4.60
K292303		1.45	0.42	7.72	11.4	2620	1.65	2.63	2.37	0.36	44.4	5.2	11	8.18	22.6	3.25
K292304		0.29	4.55	6.69	713	330	1.49	3.18	2.13	10.75	48.6	12.2	25	14.05	316	5.00
K292305		1.25	0.53	7.55	9.0	2060	1.58	2.75	2.55	0.29	50.0	6.1	11	11.60	119.0	3.23
K292306		1.36	0.89	7.34	18.0	2020	1.59	6.36	2.64	0.46	54.9	5.6	12	15.15	209	3.46
K292307		1.43	1.35	7.11	58.6	550	1.47	5.43	2.50	0.32	44.7	8.7	11	16.10	446	4.72
K292308		6.03	0.02	0.07	0.3	30	0.08	0.06	20.5	0.08	1.23	0.7	1	0.52	2.8	0.49
K292309		1.56	14.45	7.34	283	410	1.44	23.4	1.50	3.88	41.3	6.6	11	10.30	3040	6.47
K292310		1.95	5.62	6.78	245	260	1.36	23.9	1.06	1.47	38.3	9.2	11	9.24	714	4.74
K292311		1.17	9.22	6.86	392	240	1.56	24.8	2.13	5.84	43.8	4.2	10	9.50	1180	4.76
K292312		1.73	1.06	7.48	30.2	2180	2.18	5.49	1.75	0.33	46.9	4.6	10	11.75	123.0	3.69
K292313		1.42	1.79	7.34	23.1	2830	1.59	7.85	3.06	0.74	48.6	6.8	13	14.90	308	2.73
K292314		0.72	2.36	7.79	22.0	2740	1.81	14.45	3.14	0.77	48.6	7.4	10	15.40	402	3.14
K292315		2.44	0.73	8.19	20.9	1860	1.42	0.52	1.79	0.55	40.6	5.3	13	8.34	155.5	4.37
K292316		2.95	0.38	8.42	32.0	1400	1.33	0.47	1.78	0.43	37.0	3.7	14	7.72	158.5	4.51
K292317		4.11	0.33	8.58	26.5	2230	1.49	0.44	1.09	0.59	41.9	4.9	14	17.65	189.0	4.88
K292318		6.36	0.33	8.13	23.2	1920	1.55	0.48	1.28	1.77	41.5	11.7	15	15.70	233	4.80
K292319		0.29	12.55	6.92	1630	440	1.58	13.40	2.01	33.0	48.3	19.3	19	15.15	302	6.84
K292320		5.90	0.43	8.53	25.3	1790	1.55	0.46	1.42	2.40	39.6	13.4	14	16.90	202	4.93
K292321		6.01	0.37	8.05	38.9	1520	1.49	0.49	1.77	1.37	41.1	12.1	14	10.05	164.0	5.01
K292322		6.64	0.32	8.41	19.9	1330	1.46	0.58	2.19	0.77	42.5	9.5	13	12.25	139.0	4.85
K292323		7.33	1.90	8.21	19.7	1530	1.51	0.69	1.93	1.13	44.0	10.9	17	14.20	198.0	4.79
K292324		6.84	0.71	8.32	40.6	3350	1.61	0.80	1.33	1.36	36.7	10.4	14	9.85	361	6.16
K292325		6.04	0.01	0.06	0.5	30	<0.05	0.03	20.7	0.07	1.23	0.7	3	0.25	2.9	0.50
K292326		6.50	1.53	8.56	128.5	710	1.57	5.05	0.14	0.91	39.5	6.0	13	17.30	536	5.34
K292327		4.78	5.70	7.80	309	500	1.86	20.8	0.10	1.22	48.1	4.2	12	23.3	648	6.19
K292328		5.30	7.18	8.38	296	560	2.51	6.99	0.08	2.18	52.3	7.2	12	20.6	2310	6.63
K292329		<0.02	6.49	8.17	281	540	2.43	6.47	0.08	2.13	49.8	6.5	11	19.60	2110	6.41
K292330		1.40	3.27	8.20	252	510	1.73	6.97	0.07	3.85	40.3	9.3	12	15.00	362	6.07
K292331		7.09	1.71	8.09	120.5	1360	1.76	2.37	1.65	14.85	45.4	13.6	12	23.9	446	5.92
K292332		4.06	3.89	7.82	72.7	810	1.67	4.85	2.45	9.41	40.3	13.5	13	22.6	686	5.30

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292297		16.45	0.13	1.0	0.177	3.76	30.4	10.1	0.80	480	0.57	0.91	7.4	2.7	550	24.0
K292298		16.90	0.12	0.8	0.560	3.67	22.3	9.3	0.74	1420	1.04	0.13	5.4	2.6	540	87.9
K292299		15.75	0.14	0.8	0.349	3.38	32.1	6.2	0.76	762	0.54	0.60	5.7	2.8	510	80.5
K292300		16.20	0.13	0.8	0.199	3.03	34.6	8.0	0.61	448	0.44	1.52	5.8	2.4	560	37.4
K292301		16.15	0.15	0.9	0.253	3.61	29.2	10.5	0.87	524	0.45	1.70	6.9	2.7	570	59.4
K292302		17.95	0.12	0.8	0.342	3.76	25.6	8.9	0.65	347	0.48	0.51	6.2	2.4	570	327
K292303		15.95	0.12	1.0	0.159	3.00	21.8	12.3	0.78	332	0.50	2.51	7.6	2.4	590	24.2
K292304		14.90	0.11	1.1	0.310	3.02	27.0	27.0	0.78	1880	16.15	0.15	5.9	14.5	520	479
K292305		15.90	0.14	1.1	0.155	2.99	24.7	11.8	0.76	358	0.93	2.04	7.7	2.4	570	21.8
K292306		15.55	0.15	1.1	0.275	3.56	28.7	13.2	0.72	455	0.46	1.20	7.4	2.5	540	26.6
K292307		15.50	0.13	0.9	0.212	3.75	21.4	17.7	0.94	379	0.48	0.08	5.8	2.2	520	24.6
K292308		0.24	0.12	<0.1	0.005	0.04	0.6	1.2	12.60	219	0.26	0.01	0.2	1.6	170	1.7
K292309		17.30	0.11	1.1	0.598	3.48	19.9	14.6	0.72	623	0.65	0.04	5.8	2.3	520	208
K292310		15.10	0.10	0.9	0.284	3.39	21.2	8.1	0.60	1130	4.96	0.04	4.8	2.4	480	138.0
K292311		15.55	0.11	1.0	0.599	3.39	24.7	8.4	1.10	1500	1.28	0.04	5.2	2.3	460	259
K292312		14.95	0.13	1.2	0.101	3.36	23.7	26.4	0.72	352	0.47	0.10	7.5	2.3	560	28.6
K292313		15.05	0.13	1.0	0.170	3.65	25.7	14.7	0.70	435	0.60	0.61	7.1	2.5	550	49.7
K292314		15.70	0.14	1.0	0.178	3.80	25.2	16.2	0.78	437	0.42	0.66	7.5	2.5	580	57.4
K292315		19.85	0.12	1.0	0.105	2.15	20.0	13.4	1.24	330	2.85	2.10	6.4	3.1	830	32.3
K292316		19.35	0.11	1.2	0.053	1.95	18.0	12.4	1.36	263	2.70	2.26	5.3	2.3	740	34.4
K292317		19.45	0.12	1.1	0.061	2.26	21.5	15.1	1.02	188	2.33	1.79	4.8	2.2	720	44.9
K292318		18.80	0.11	1.2	0.055	2.26	21.5	18.1	1.02	303	4.76	1.78	5.1	3.2	790	22.3
K292319		15.15	0.11	1.1	0.837	3.11	25.3	20.6	0.81	1880	9.95	0.13	6.4	12.5	550	1350
K292320		18.90	0.10	1.2	0.075	2.20	20.4	24.1	0.97	379	14.35	1.65	6.0	3.0	810	39.0
K292321		19.90	0.13	1.2	0.056	2.06	21.0	15.9	1.20	379	2.45	2.22	6.0	3.0	810	53.0
K292322		20.4	0.14	1.3	0.070	1.96	21.2	20.9	1.43	415	1.90	2.36	5.9	2.9	850	24.9
K292323		20.4	0.16	1.1	0.089	2.09	22.1	17.7	1.26	426	2.30	2.43	6.6	3.7	850	22.2
K292324		19.90	0.13	0.9	0.087	2.21	19.1	16.3	1.16	365	2.00	1.48	5.2	3.4	860	21.5
K292325		0.24	0.14	<0.1	0.008	0.02	0.6	1.2	12.85	213	0.13	0.01	0.2	1.7	170	1.4
K292326		22.0	0.15	1.1	0.179	3.04	19.0	21.4	0.37	136	2.79	0.15	2.2	2.5	840	32.7
K292327		25.3	0.13	0.9	0.539	3.38	25.8	7.9	0.43	103	3.83	0.05	2.3	1.7	740	128.5
K292328		27.2	0.14	1.0	0.750	3.80	27.0	11.8	0.38	118	2.05	0.05	3.3	2.2	860	80.1
K292329		26.2	0.16	1.0	0.723	3.64	26.6	11.3	0.37	118	1.95	0.05	3.3	2.1	830	77.2
K292330		22.3	0.14	0.8	0.399	4.04	21.2	6.6	0.43	142	4.32	0.05	2.7	2.3	390	105.5
K292331		21.5	0.14	1.1	0.310	2.86	23.5	28.8	0.92	1260	3.55	0.27	4.9	2.9	860	124.5
K292332		20.6	0.14	1.1	0.326	2.90	20.7	25.3	1.22	987	9.83	0.28	3.4	4.0	800	120.0

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292297		168.0	<0.002	1.77	2.11	10.0	<1	5.1	196.0	0.61	0.29	15.20	0.240	2.37	4.1	67
K292298		206	<0.002	4.48	4.26	9.5	1	8.4	75.5	0.44	4.67	12.65	0.189	2.59	4.4	62
K292299		178.5	<0.002	3.14	3.42	9.2	1	5.1	125.5	0.47	0.84	13.45	0.196	2.42	5.2	60
K292300		141.0	<0.002	2.23	3.07	9.5	1	3.9	164.5	0.47	1.22	13.65	0.192	2.07	4.3	59
K292301		167.5	<0.002	1.54	2.77	9.9	<1	3.8	223	0.56	0.76	15.60	0.229	2.15	4.4	68
K292302		238	<0.002	3.80	4.56	10.3	<1	9.2	105.5	0.49	3.31	14.10	0.216	2.39	4.3	67
K292303		124.0	<0.002	1.07	1.74	10.5	<1	3.4	490	0.61	0.19	15.65	0.251	1.68	4.6	69
K292304		152.0	0.005	2.73	31.0	9.1	<1	5.9	109.5	0.48	0.34	12.20	0.206	2.59	4.9	66
K292305		136.0	<0.002	0.85	1.89	10.1	<1	3.3	306	0.63	0.18	15.40	0.239	1.86	4.7	67
K292306		154.5	<0.002	1.38	2.06	9.8	1	4.5	256	0.64	0.25	15.85	0.232	2.16	4.8	65
K292307		194.0	<0.002	3.92	3.22	9.6	1	7.2	104.5	0.51	0.59	14.45	0.188	2.43	5.8	59
K292308		2.3	<0.002	<0.01	0.06	0.2	<1	0.2	51.1	<0.05	<0.05	0.10	<0.005	<0.02	0.6	2
K292309		239	<0.002	6.27	8.04	9.5	2	13.3	63.8	0.54	2.47	16.50	0.182	2.56	6.6	61
K292310		223	<0.002	4.48	154.0	8.3	<1	7.4	24.2	0.38	0.81	12.75	0.164	2.96	3.1	56
K292311		223	<0.002	4.25	158.5	8.5	<1	9.5	43.2	0.44	0.47	12.75	0.174	2.89	3.2	56
K292312		116.5	<0.002	0.72	7.47	9.7	<1	3.4	119.5	0.64	0.15	13.80	0.237	1.95	4.5	65
K292313		159.5	<0.002	0.88	3.79	9.6	<1	4.1	207	0.56	0.23	13.75	0.231	2.57	4.4	59
K292314		158.5	<0.002	0.95	3.32	10.4	<1	3.5	225	0.58	0.24	13.15	0.247	2.45	4.6	65
K292315		78.5	<0.002	0.53	1.89	16.3	1	4.4	427	0.44	0.06	5.80	0.414	1.21	2.0	123
K292316		78.4	<0.002	0.45	1.40	17.1	1	3.3	425	0.37	0.12	5.66	0.395	1.24	2.0	131
K292317		98.5	<0.002	0.62	2.08	15.7	1	4.2	349	0.33	0.11	6.63	0.346	1.56	2.4	119
K292318		96.2	<0.002	1.43	1.35	15.7	1	2.8	339	0.36	0.15	6.37	0.335	1.52	2.2	113
K292319		168.5	0.002	4.85	69.9	9.5	1	8.5	101.0	0.52	1.41	12.45	0.216	2.70	5.1	65
K292320		89.0	0.002	0.79	7.00	16.3	1	2.0	322	0.43	0.12	6.75	0.370	1.28	2.3	119
K292321		81.8	0.003	0.98	1.31	15.5	2	2.0	418	0.41	0.13	6.76	0.369	1.23	2.1	120
K292322		78.7	0.005	0.87	1.39	17.0	2	2.7	460	0.40	0.17	6.96	0.385	1.15	2.2	130
K292323		79.2	0.005	0.93	1.32	17.1	2	3.4	456	0.45	0.18	6.91	0.399	1.23	2.5	130
K292324		90.7	0.002	0.98	2.86	16.4	2	3.3	409	0.36	0.17	6.70	0.366	1.55	3.7	127
K292325		1.4	0.002	<0.01	0.11	0.2	<1	0.3	49.4	<0.05	<0.05	0.08	<0.005	<0.02	0.5	2
K292326		164.0	0.003	0.61	55.2	15.8	2	6.8	122.5	0.17	0.25	6.61	0.259	2.89	6.6	130
K292327		237	0.004	1.20	116.5	15.9	2	17.2	81.3	0.17	0.78	6.14	0.223	3.44	6.1	119
K292328		238	0.003	1.99	65.6	16.1	2	17.4	87.4	0.23	1.47	6.87	0.270	3.93	9.0	126
K292329		234	0.004	1.81	62.3	15.6	2	16.8	81.7	0.23	1.29	6.59	0.262	3.84	8.6	123
K292330		288	0.006	3.89	29.1	15.8	2	8.4	55.2	0.20	0.74	6.26	0.271	4.10	4.0	127
K292331		143.0	0.004	2.04	20.4	15.6	2	7.3	203	0.34	0.23	6.51	0.336	2.74	3.1	126
K292332		140.5	0.012	2.45	26.3	15.5	2	6.6	175.0	0.25	0.25	5.99	0.283	2.90	2.7	122

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292297		2.7	15.6	91	32.5	0.054
K292298		7.4	11.4	156	27.1	0.395
K292299		3.8	14.1	161	25.3	0.322
K292300		2.4	14.9	148	25.7	0.172
K292301		2.5	15.5	464	29.3	0.136
K292302		5.6	20.8	527	27.2	2.51
K292303		1.6	17.3	77	32.6	0.050
K292304		5.5	12.5	871	33.6	0.350
K292305		1.4	16.7	78	33.0	0.107
K292306		2.3	17.0	88	35.3	0.365
K292307		5.7	14.1	61	29.7	0.318
K292308		0.1	0.9	19	0.5	<0.005
K292309		9.6	11.6	349	33.3	3.40
K292310		8.7	9.8	154	29.0	1.370
K292311		11.6	7.8	551	32.3	0.679
K292312		2.5	16.8	76	36.0	0.131
K292313		3.2	18.2	116	31.4	0.187
K292314		3.2	18.7	126	33.7	0.289
K292315		5.0	16.2	166	34.4	0.032
K292316		1.9	16.2	145	46.5	0.036
K292317		2.6	13.9	205	42.8	0.064
K292318		1.9	15.1	164	46.5	0.081
K292319		6.1	12.8	2490	33.7	0.997
K292320		2.7	17.1	212	43.0	0.034
K292321		1.9	17.1	184	46.8	0.030
K292322		1.7	20.1	134	48.3	0.019
K292323		16.3	19.4	166	40.7	0.031
K292324		3.2	16.7	272	35.4	0.058
K292325		0.1	0.7	21	<0.5	<0.005
K292326		3.6	14.4	402	42.0	0.086
K292327		10.1	12.2	277	33.4	0.277
K292328		14.2	17.8	311	37.4	0.340
K292329		14.7	16.9	301	37.3	0.264
K292330		11.9	8.7	198	30.8	0.252
K292331		6.1	16.5	598	39.5	0.123
K292332		4.8	14.9	537	45.2	0.253

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108386

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE TR16108387

Project: Klaza

P.O. No.: Batch 16

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

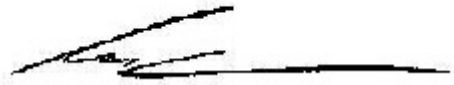
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108387

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292333		3.44	2.05	7.48	55.0	390	1.36	1.79	2.27	3.44	37.8	12.2	11	14.75	859	5.30
K292334		4.33	1.82	6.95	60.7	360	1.31	6.51	2.87	1.94	31.8	12.3	10	17.45	542	5.35
K292335		4.53	1.71	7.99	142.0	1080	1.79	4.42	1.86	10.55	39.6	15.6	10	19.65	844	6.08
K292336		3.44	27.6	6.33	825	220	2.04	35.3	0.15	6.33	34.9	8.8	12	13.35	4320	8.67
K292337		6.03	0.04	0.11	0.3	40	0.06	0.08	20.5	0.11	1.42	0.8	2	0.64	7.1	0.51
K292338		1.66	0.38	6.44	107.5	520	1.58	0.57	1.07	7.47	52.8	6.4	17	18.70	616	2.25
K292339		1.16	0.16	6.72	52.1	580	1.47	0.17	2.98	1.08	46.6	6.6	17	14.55	15.9	2.64
K292340		1.27	0.09	6.44	23.8	560	1.62	0.14	3.27	3.42	49.3	5.8	16	14.35	28.0	2.37
K292341		1.29	4.97	7.58	96.5	1060	1.82	9.28	1.41	26.1	52.2	8.5	10	17.05	335	4.55
K292342		0.27	4.42	6.85	724	470	1.38	3.43	2.12	10.90	49.1	11.9	25	13.30	317	5.12
K292343		7.39	1.41	7.83	163.5	970	1.77	4.68	0.65	7.23	47.2	8.4	10	12.60	513	4.23
K292344		2.44	1.23	7.63	113.0	650	1.59	2.63	0.41	6.95	48.9	8.3	11	10.90	471	4.05
K292345		2.73	2.36	7.41	142.5	330	1.33	4.65	0.73	3.51	49.6	8.4	14	9.97	329	5.22
K292346		1.12	2.06	7.35	141.5	410	1.18	3.63	0.55	2.95	57.0	7.3	11	9.51	418	4.80
K292347		5.29	1.51	7.74	153.5	690	1.59	4.42	0.49	6.65	50.2	5.5	11	20.0	505	4.50
K292348		5.13	0.84	7.05	17.4	330	1.53	1.93	2.53	2.80	37.4	5.8	11	16.95	294	3.11
K292349		1.94	0.37	7.28	20.1	450	1.52	1.03	2.27	0.69	40.6	3.0	10	15.55	164.5	2.48
K292350		4.49	1.09	7.43	31.4	680	1.44	2.54	1.98	2.46	53.3	4.2	11	12.45	473	3.67
K292351		5.89	1.74	7.43	41.1	290	1.41	7.06	2.17	1.67	50.0	8.5	10	13.10	1150	3.86
K292352		0.29	11.30	6.53	1560	720	1.34	11.45	1.87	32.3	45.0	16.7	19	13.35	290	6.49
K292353		4.58	0.88	7.59	13.5	1290	1.50	9.10	2.24	0.54	50.5	7.9	13	12.15	509	3.61
K292354		6.32	1.05	7.42	28.9	470	1.42	4.52	1.88	3.48	47.5	7.6	10	15.25	551	3.58
K292355		5.39	0.74	6.95	14.6	500	1.43	2.81	2.23	1.50	39.0	7.0	12	16.20	383	3.10
K292356		<0.02	0.77	6.74	14.0	720	1.30	2.74	2.19	1.36	36.6	6.6	12	15.80	395	3.06
K292357		0.91	0.48	7.19	37.5	1070	1.41	1.05	2.17	0.83	45.4	6.8	9	14.20	263	2.89
K292358		1.64	1.06	7.08	133.0	900	1.57	3.37	1.43	8.31	50.7	10.4	10	17.60	667	3.88
K292359		2.10	2.61	6.97	195.5	980	1.48	2.24	1.78	4.58	55.0	8.4	8	14.50	407	3.10
K292360		1.21	3.57	6.54	139.5	730	1.12	3.26	1.61	4.71	24.2	7.4	9	9.92	404	3.28
K292361		5.06	0.01	0.05	0.7	40	<0.05	0.03	20.0	0.08	1.14	0.6	1	0.16	2.0	0.47
K292362		1.49	6.28	6.84	177.5	330	1.14	6.04	0.97	7.02	45.8	7.6	10	8.59	697	4.74
K292363		1.67	3.84	7.01	153.5	310	0.99	6.57	1.33	9.64	53.6	6.7	12	10.60	426	4.73
K292364		1.61	1.40	7.10	171.5	870	1.29	4.57	1.80	0.99	45.3	5.1	12	19.50	912	3.36
K292365		1.85	1.24	6.72	93.0	500	1.76	6.41	1.97	0.73	40.7	5.9	11	18.30	872	3.75
K292366		1.07	1.15	6.50	130.5	130	0.96	3.85	1.64	0.62	44.1	8.4	11	12.85	180.0	7.03
K292367		1.31	0.80	7.10	41.3	720	1.30	2.17	2.37	0.80	48.3	7.9	13	15.30	353	2.98
K292368		1.54	1.22	6.72	97.4	370	1.59	4.71	2.22	0.78	38.0	7.2	15	13.60	845	4.05

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

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VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108387

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292333		20.2	0.05	1.3	0.242	2.47	17.4	27.7	1.25	819	11.10	0.73	4.2	2.6	790	29.7
K292334		20.1	<0.05	1.0	0.169	2.40	14.7	18.6	1.32	632	5.74	0.87	3.8	2.6	750	41.7
K292335		21.0	0.06	1.1	0.277	2.83	18.0	22.1	0.90	1220	8.67	0.08	4.7	4.0	870	78.3
K292336		18.35	<0.05	1.4	1.685	2.72	17.3	31.8	0.29	184	6.34	0.08	4.5	3.5	670	250
K292337		0.38	<0.05	<0.1	0.005	0.05	0.7	1.5	12.65	220	0.44	<0.01	0.2	2.5	180	1.8
K292338		15.00	0.09	3.0	0.061	2.28	28.3	67.4	0.47	639	2.41	0.11	8.4	5.4	860	22.7
K292339		17.55	0.10	3.4	0.027	3.05	23.2	22.6	1.10	679	2.21	0.09	9.6	5.9	1010	13.3
K292340		17.10	0.09	3.1	0.024	2.89	24.7	24.9	1.17	630	2.01	0.09	9.4	5.0	910	10.0
K292341		18.10	0.09	0.9	0.437	3.02	27.7	73.2	0.66	821	1.24	0.04	5.8	2.9	640	286
K292342		15.40	<0.05	1.1	0.290	3.03	28.0	25.1	0.80	1900	15.50	0.15	6.3	14.3	530	493
K292343		19.90	<0.05	0.8	0.215	3.68	25.1	14.5	0.51	706	2.21	0.05	4.3	3.3	530	116.0
K292344		17.15	0.08	0.7	0.213	3.80	24.6	7.9	0.49	616	1.33	0.06	3.0	3.2	580	74.2
K292345		16.20	0.06	0.8	0.370	3.76	25.9	7.1	0.58	550	1.44	0.05	3.3	2.7	520	118.5
K292346		16.30	<0.05	0.8	0.407	3.83	30.1	7.5	0.51	446	1.60	0.05	3.2	2.5	510	125.0
K292347		16.45	<0.05	0.7	0.317	3.66	24.5	7.2	0.49	542	3.07	0.06	2.6	2.1	750	170.0
K292348		15.80	0.07	0.8	0.038	2.16	16.0	12.8	0.61	395	0.93	1.25	4.6	2.2	580	33.1
K292349		15.45	0.06	0.6	0.029	2.12	17.2	9.5	0.87	243	0.66	1.60	3.3	1.4	610	23.6
K292350		16.70	0.05	0.6	0.075	2.11	23.8	19.5	0.82	420	1.77	0.38	3.0	1.9	410	81.1
K292351		16.50	0.05	0.7	0.107	2.37	23.3	15.1	0.86	369	5.97	0.94	4.0	2.0	580	59.8
K292352		14.85	<0.05	1.0	0.732	2.86	24.6	18.5	0.77	1760	8.64	0.12	6.4	11.8	530	1280
K292353		17.10	<0.05	0.9	0.045	2.46	26.0	22.6	0.85	310	1.09	1.94	6.4	2.8	660	22.4
K292354		15.50	<0.05	0.7	0.068	2.55	22.3	14.3	0.86	378	1.92	1.49	3.7	2.2	570	40.8
K292355		16.45	0.08	0.9	0.065	2.93	18.2	14.0	0.66	298	4.44	1.19	4.8	2.6	570	49.9
K292356		15.00	0.09	0.8	0.066	2.93	17.5	11.4	0.67	294	4.55	1.19	4.3	2.5	570	50.6
K292357		15.15	0.09	0.9	0.069	3.05	23.0	13.9	0.61	408	2.01	0.68	5.1	2.2	570	20.4
K292358		13.60	0.09	0.7	0.106	3.28	25.1	14.9	0.80	968	4.86	0.05	2.4	3.1	560	60.0
K292359		14.35	0.09	0.7	0.093	3.36	28.4	9.9	0.99	1630	2.83	0.04	3.2	2.7	530	63.5
K292360		13.70	0.06	0.7	0.192	3.29	13.3	10.5	0.92	784	33.8	0.06	2.0	2.1	520	137.5
K292361		0.17	0.14	<0.1	0.005	0.02	0.6	0.7	12.35	212	0.15	<0.01	0.1	1.6	150	1.5
K292362		14.20	0.07	0.6	0.207	3.39	25.2	9.2	0.68	639	2.89	0.06	1.8	2.5	480	188.0
K292363		15.40	0.08	0.7	0.275	3.58	28.7	5.3	0.78	778	1.83	0.05	2.6	2.3	540	360
K292364		16.75	0.07	0.8	0.098	3.46	25.3	7.0	0.85	275	1.61	0.06	3.7	2.3	550	52.7
K292365		18.45	0.11	0.9	0.067	3.05	20.9	40.3	0.64	305	1.23	0.05	4.9	2.5	580	22.6
K292366		13.05	0.08	0.7	0.096	3.11	22.8	11.2	0.74	211	1.36	0.06	1.8	2.4	550	68.2
K292367		14.30	0.09	0.8	0.064	3.13	25.3	18.9	0.90	363	4.58	0.06	2.9	2.0	550	51.4
K292368		14.95	0.09	0.8	0.062	2.66	18.3	72.3	0.71	225	3.71	0.47	3.8	2.6	520	35.6

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

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 23-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16108387

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292333		98.8	0.012	2.48	8.83	13.6	1	9.3	549	0.31	0.22	5.20	0.319	2.10	2.0	122
K292334		87.6	0.003	2.73	2.68	12.2	1	7.7	334	0.27	0.65	4.44	0.294	2.09	1.8	118
K292335		119.5	0.002	2.32	39.9	14.3	1	6.7	91.3	0.33	0.45	5.71	0.330	2.64	4.4	129
K292336		149.5	0.005	6.75	488	10.2	2	12.2	95.8	0.29	3.23	5.80	0.219	2.38	13.5	88
K292337		3.3	<0.002	0.01	0.82	0.3	<1	0.2	50.1	<0.05	<0.05	0.11	<0.005	0.03	0.7	3
K292338		114.5	<0.002	0.64	37.1	5.8	1	1.3	116.5	0.56	<0.05	8.14	0.244	2.00	7.1	53
K292339		120.5	<0.002	0.87	12.65	6.1	1	1.3	126.0	0.67	<0.05	7.74	0.280	2.68	3.9	60
K292340		126.0	<0.002	0.23	13.70	6.0	1	1.3	105.5	0.64	<0.05	7.85	0.252	2.57	4.7	56
K292341		153.0	<0.002	1.81	15.80	11.2	2	4.5	62.6	0.44	0.12	11.85	0.217	2.75	4.9	73
K292342		161.0	0.003	2.73	28.9	9.1	1	5.6	108.0	0.54	0.31	11.50	0.209	2.48	5.2	66
K292343		195.0	<0.002	2.34	18.90	10.9	2	12.6	90.2	0.34	0.18	12.15	0.179	3.15	6.6	71
K292344		196.0	<0.002	2.74	16.85	10.5	1	8.1	52.3	0.24	0.10	11.15	0.135	2.85	6.8	70
K292345		201	<0.002	4.29	31.6	10.9	2	8.5	38.5	0.25	0.30	11.10	0.154	2.89	4.7	68
K292346		196.5	<0.002	3.88	34.6	10.7	2	8.8	40.8	0.25	0.23	11.15	0.153	2.78	4.4	69
K292347		183.0	<0.002	2.44	16.15	10.6	1	5.4	170.0	0.23	0.25	12.60	0.133	3.08	9.9	63
K292348		80.1	<0.002	1.97	2.37	9.5	1	4.1	729	0.36	0.37	8.68	0.176	1.61	3.0	60
K292349		86.5	<0.002	1.91	2.81	10.2	2	3.3	446	0.25	0.23	8.74	0.140	1.70	2.8	45
K292350		81.3	<0.002	2.72	12.10	10.6	2	4.3	123.5	0.24	0.42	8.92	0.140	1.84	3.7	45
K292351		102.0	<0.002	3.05	3.93	10.0	2	7.7	291	0.30	1.53	10.40	0.165	1.69	3.6	58
K292352		162.5	<0.002	4.60	63.5	8.9	2	7.7	93.7	0.50	1.11	10.65	0.202	2.52	5.0	62
K292353		89.3	<0.002	1.70	0.98	10.9	1	4.6	515	0.50	1.77	12.40	0.221	1.44	2.5	73
K292354		111.5	<0.002	2.77	1.63	9.9	2	5.3	263	0.31	0.82	12.30	0.150	1.83	3.3	58
K292355		104.5	0.002	2.05	1.33	9.7	2	5.3	687	0.40	0.72	10.25	0.180	1.83	3.8	66
K292356		92.8	<0.002	2.19	1.25	8.6	1	5.8	635	0.38	0.69	10.15	0.176	1.70	4.1	65
K292357		110.0	<0.002	1.57	6.37	9.4	2	3.6	345	0.43	0.19	11.05	0.192	2.09	5.7	65
K292358		150.5	0.002	2.76	11.70	9.8	3	4.7	90.7	0.21	0.77	11.90	0.122	2.63	3.7	64
K292359		168.5	<0.002	2.44	59.8	9.7	2	3.8	61.5	0.28	0.33	12.10	0.135	3.49	3.0	63
K292360		175.5	0.002	2.56	59.1	7.4	2	9.9	42.3	0.18	0.58	10.40	0.099	2.50	3.5	58
K292361		1.1	<0.002	0.01	0.15	0.1	<1	0.2	50.5	<0.05	<0.05	0.07	<0.005	<0.02	0.4	1
K292362		167.5	<0.002	4.27	54.1	7.9	4	11.6	28.5	0.17	1.81	11.65	0.095	2.25	3.8	61
K292363		166.0	<0.002	4.46	11.05	8.2	2	11.4	38.3	0.23	0.64	10.95	0.129	2.80	2.4	63
K292364		130.0	<0.002	2.73	10.75	9.2	2	9.9	50.7	0.34	1.09	11.10	0.165	2.28	5.1	68
K292365		94.4	<0.002	2.93	5.45	11.4	5	9.6	89.1	0.40	1.19	9.61	0.191	1.89	3.4	72
K292366		125.5	<0.002	7.05	3.38	9.2	3	8.9	74.2	0.17	0.35	10.10	0.098	1.70	2.3	65
K292367		131.5	0.002	1.74	3.57	10.2	2	5.2	82.2	0.25	0.29	11.85	0.141	2.25	4.3	65
K292368		102.5	<0.002	3.36	4.93	12.4	3	6.1	175.0	0.30	1.12	8.62	0.179	1.77	3.0	80

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CERTIFICATE OF ANALYSIS TR16108387

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292333		4.7	12.9	194	44.1	0.239
K292334		4.4	10.6	162	33.4	0.351
K292335		6.0	16.0	476	39.9	0.157
K292336		7.8	12.4	453	54.0	1.200
K292337		0.1	1.1	21	0.5	<0.005
K292338		4.1	14.4	306	116.5	0.045
K292339		4.4	11.8	96	130.0	0.014
K292340		3.2	12.0	113	123.5	<0.005
K292341		5.8	14.1	1350	22.7	0.071
K292342		5.8	11.6	874	29.6	0.436
K292343		6.2	12.0	452	22.1	0.200
K292344		4.2	12.4	384	20.9	0.101
K292345		6.2	10.0	303	20.3	0.144
K292346		6.4	9.0	300	20.3	0.140
K292347		4.5	10.2	492	18.4	0.200
K292348		3.7	12.0	203	20.9	0.066
K292349		3.2	11.4	70	18.2	0.052
K292350		4.1	12.4	210	17.7	0.078
K292351		9.4	13.7	116	17.4	0.092
K292352		5.8	11.2	2320	28.4	0.869
K292353		4.8	14.0	99	23.1	0.048
K292354		5.9	13.6	204	18.9	0.110
K292355		5.9	12.1	134	21.7	0.066
K292356		5.7	11.5	135	19.8	0.062
K292357		4.1	12.9	160	23.0	0.075
K292358		4.1	15.4	481	17.4	0.157
K292359		4.6	10.9	321	18.2	0.172
K292360		4.3	8.7	322	18.5	0.180
K292361		0.1	0.7	20	<0.5	<0.005
K292362		6.5	8.9	504	16.6	0.201
K292363		8.0	9.6	635	19.9	0.115
K292364		9.3	11.3	132	20.4	0.126
K292365		8.0	12.2	116	22.0	0.438
K292366		6.0	10.5	76	18.6	0.566
K292367		5.3	12.7	103	20.5	0.136
K292368		6.4	11.7	95	19.5	0.624

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

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

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

Project: Klaza

Finalized Date: 23-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16108387

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114049

Project: Klaza

P.O. No.: Trench Batch 1

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

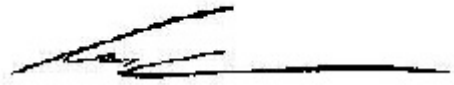
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114049

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K291201		11.71	2.27	7.67	83.3	1030	1.65	4.54	0.11	1.06	52.5	11.2	25	16.55	209	3.62
K291202		5.67	0.78	8.21	77.3	1380	1.88	0.69	0.12	2.16	56.1	20.9	29	22.8	242	3.64
K291203		10.43	0.54	8.26	33.6	970	1.53	0.59	0.14	0.75	47.6	10.8	22	13.30	183.5	3.54
K291204		4.67	0.92	8.63	60.6	1460	1.70	1.26	0.15	0.80	43.4	12.0	14	20.2	248	2.97
K291205		6.55	1.15	8.40	118.5	1200	1.63	1.00	0.16	1.06	49.9	13.3	15	18.20	245	3.68
K291206		4.84	1.78	8.64	168.5	1290	1.88	4.18	0.15	1.57	50.7	15.2	14	19.25	306	3.66
K291207		3.30	0.96	7.42	75.2	1230	1.55	0.72	0.63	1.81	51.4	13.9	18	12.55	168.5	4.35
K291208		4.62	1.55	8.18	137.5	1480	1.94	1.16	0.10	1.90	48.0	12.6	13	17.75	191.0	4.06
K291209		4.55	1.52	7.66	124.5	1130	1.63	1.03	0.37	1.11	49.9	11.2	15	13.40	271	4.01
K291210		5.90	1.74	6.40	141.5	1950	1.57	2.19	0.12	3.43	47.2	15.7	11	13.55	273	5.57
K291211		2.84	1.16	6.34	97.7	2190	1.47	0.96	0.25	2.64	48.5	11.2	10	14.65	211	5.19
K291212		4.58	1.11	8.59	241	1440	1.49	0.88	0.10	0.84	54.1	5.6	15	25.2	324	3.40
K291213		5.61	1.62	7.77	171.0	1220	1.44	1.47	0.14	1.17	47.6	7.9	13	19.85	251	4.57
K291214		6.00	0.01	0.07	0.9	30	0.08	0.05	20.5	0.06	1.18	0.7	1	0.17	2.8	0.47
K291215		8.96	1.55	7.48	128.5	1540	1.41	1.93	0.13	1.24	47.3	9.0	14	17.40	220	4.43
K291216		6.56	0.80	8.96	34.8	1440	1.64	2.54	0.50	0.69	53.1	13.0	17	11.30	352	4.16
K291217		4.47	1.15	9.35	94.1	1230	1.73	0.79	0.18	1.60	54.0	16.9	14	19.15	340	3.90
K291218		7.36	0.70	8.59	13.1	940	1.59	1.03	0.30	0.56	48.3	11.0	16	8.63	720	4.91
K291219		5.02	0.49	7.97	6.5	1060	1.46	1.06	0.77	0.38	50.6	10.1	14	8.14	520	4.11
K291220		5.55	0.64	7.89	8.1	1260	1.29	22.7	0.68	0.41	48.8	10.1	14	7.88	481	4.05
K291221		0.30	36.9	5.70	2500	550	1.11	35.9	1.67	44.6	36.3	16.7	22	9.69	1200	9.01
K291222		5.30	1.39	7.90	100.5	910	1.58	1.33	0.24	2.25	47.4	9.8	14	14.10	206	3.98
K291223		7.33	0.29	9.06	22.2	1340	1.51	0.81	0.43	0.89	40.0	11.6	14	13.50	144.5	3.58
K291224		6.14	0.95	8.82	48.7	1160	1.45	7.16	0.44	0.81	56.4	14.7	18	15.05	212	3.95
K291225		6.69	0.45	8.25	41.0	900	1.56	0.92	0.27	0.76	51.9	12.0	15	16.45	107.5	3.71
K291226		6.17	0.38	8.14	13.1	1840	1.39	0.53	0.26	0.54	46.9	10.9	14	16.15	92.1	3.88
K291227		7.90	0.33	8.57	15.4	1180	1.50	0.73	0.32	0.22	48.1	13.1	13	16.90	81.5	3.79
K291228		5.91	0.16	8.26	15.1	680	1.41	0.51	0.47	0.22	47.6	10.7	13	20.9	79.3	3.69
K291229		5.93	0.26	8.33	52.6	730	1.38	0.84	0.28	0.27	46.6	10.7	12	16.70	173.0	3.81
K291230		8.16	0.17	8.69	35.3	860	1.14	0.64	0.22	0.43	51.6	10.7	17	13.90	114.0	3.78
K291231		10.50	0.16	8.18	29.7	1420	1.28	0.64	0.42	0.32	48.6	13.4	13	10.15	108.5	4.01
K291232		7.46	0.15	8.21	20.6	1410	1.47	0.73	0.45	0.16	47.9	11.5	15	15.15	77.4	3.66
K291233		6.71	1.09	8.54	84.7	1010	1.29	2.82	0.21	0.33	49.1	11.4	15	20.7	89.6	4.17
K291234		5.47	0.15	8.70	27.3	1660	1.27	0.70	0.20	0.37	51.6	12.6	15	10.30	68.4	3.80
K291235		7.36	0.90	8.01	110.5	1170	1.08	2.45	0.08	0.37	51.9	8.7	12	18.05	90.2	4.58
K291236		7.41	0.49	9.44	58.0	1730	1.80	0.85	0.24	0.30	52.7	10.1	14	10.90	300	3.74

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K291201		15.65	0.20	0.7	0.043	3.21	27.4	21.2	0.35	961	44.1	0.05	5.3	9.4	510	269
K291202		17.85	0.21	0.7	0.080	3.44	28.7	17.7	0.38	1540	39.2	0.06	5.8	10.1	550	66.3
K291203		17.20	0.19	0.6	0.037	2.51	23.6	26.2	0.26	725	32.9	0.05	6.5	7.1	580	18.5
K291204		18.00	0.18	0.4	0.052	3.59	20.5	16.1	0.33	1330	20.3	0.05	8.1	6.0	540	27.7
K291205		17.00	0.21	0.4	0.064	3.57	27.3	21.1	0.33	2150	25.6	0.07	7.3	6.9	530	36.5
K291206		18.10	0.22	0.5	0.074	3.50	29.3	25.5	0.30	2900	28.4	0.04	8.2	9.9	590	77.6
K291207		16.10	0.20	0.5	0.062	2.81	28.7	22.6	0.49	2370	39.4	0.58	6.3	8.4	540	75.9
K291208		17.95	0.20	0.4	0.077	3.49	25.5	23.3	0.36	3530	29.1	0.05	7.6	6.9	460	155.5
K291209		17.45	0.21	0.4	0.203	3.52	26.7	27.9	0.48	4260	16.70	0.09	6.6	6.3	490	34.9
K291210		14.75	0.22	0.3	0.361	2.70	36.3	95.0	0.30	11400	74.5	0.04	4.2	11.4	500	72.7
K291211		13.55	0.19	0.4	0.218	2.31	36.4	229	0.31	10250	55.4	0.04	4.3	12.1	510	37.5
K291212		17.80	0.21	0.5	0.127	3.71	31.3	32.3	0.34	997	17.70	0.05	7.8	4.3	470	17.1
K291213		16.00	0.20	0.4	0.213	3.14	27.7	53.1	0.31	2630	19.15	0.09	5.9	5.8	470	75.2
K291214		0.24	0.12	<0.1	0.006	0.03	0.6	1.4	12.45	206	0.23	<0.01	0.2	1.8	170	2.1
K291215		14.90	0.20	0.4	0.177	3.27	28.4	40.2	0.32	3280	24.4	0.06	5.4	6.2	500	58.4
K291216		19.10	0.21	0.5	0.052	2.93	29.1	27.6	0.54	650	13.80	0.68	6.4	5.8	570	20.8
K291217		18.95	0.21	0.6	0.045	3.55	30.0	24.5	0.37	1640	16.35	0.17	7.2	6.5	510	124.0
K291218		17.45	0.20	0.5	0.039	2.94	26.0	18.5	0.58	376	12.85	1.10	6.9	5.2	490	13.5
K291219		16.85	0.20	0.5	0.036	2.55	26.2	19.9	0.83	376	7.44	1.44	6.8	5.4	550	15.1
K291220		16.90	0.20	0.6	0.036	2.62	25.2	20.3	0.77	268	8.34	1.31	6.1	5.0	500	22.3
K291221		13.80	0.20	0.9	1.520	2.66	17.4	16.2	0.67	2250	16.75	0.06	4.7	14.5	440	1530
K291222		16.45	0.20	0.4	0.055	2.84	26.5	37.1	0.35	1000	13.45	0.17	6.0	5.2	500	298
K291223		20.2	0.17	0.5	0.042	2.40	16.3	40.8	0.51	931	6.49	0.23	8.6	6.7	670	18.7
K291224		18.95	0.21	0.5	0.041	2.34	28.8	60.5	0.40	899	5.90	0.57	7.1	7.3	630	40.9
K291225		17.80	0.18	0.4	0.026	2.71	27.8	30.8	0.39	1200	7.40	0.17	6.3	6.4	600	22.0
K291226		16.20	0.20	0.4	0.013	3.13	25.4	40.8	0.58	550	5.52	0.23	3.0	6.0	520	29.1
K291227		17.55	0.21	0.4	0.022	2.68	23.9	50.3	0.46	212	5.55	0.30	4.0	5.0	620	30.0
K291228		17.10	0.19	0.4	0.013	1.74	24.2	38.0	0.49	244	4.38	0.47	6.3	5.4	590	26.2
K291229		16.95	0.19	0.5	0.050	1.63	23.8	64.6	0.34	329	4.47	0.05	7.1	5.7	590	19.8
K291230		18.00	0.19	0.5	0.034	1.52	25.6	56.3	0.12	977	5.17	0.08	7.8	6.3	630	13.6
K291231		17.05	0.19	0.4	0.032	2.11	24.9	37.8	0.50	529	3.86	0.45	7.0	5.8	610	14.5
K291232		17.85	0.19	0.4	0.027	1.97	23.9	50.4	0.87	260	2.46	0.36	7.1	4.8	630	19.3
K291233		19.40	0.20	0.5	0.034	2.57	26.2	38.5	0.32	413	5.80	0.10	5.4	5.2	490	67.4
K291234		18.25	0.19	0.5	0.028	1.29	25.8	46.7	0.14	546	5.08	0.03	7.3	6.2	640	12.4
K291235		18.50	0.20	0.5	0.035	2.86	28.2	56.3	0.30	267	25.2	0.05	4.0	4.4	410	75.3
K291236		19.30	0.18	0.5	0.034	2.07	27.7	123.0	0.27	819	4.87	0.17	5.1	5.8	580	15.2

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K291201		176.5	<0.002	0.02	35.5	12.5	1	3.6	47.3	0.43	0.10	11.50	0.206	3.50	4.5	93
K291202		192.0	<0.002	0.03	53.3	13.4	1	2.7	48.4	0.47	0.09	13.40	0.221	4.05	5.4	97
K291203		134.5	<0.002	0.02	36.2	14.1	1	2.4	54.6	0.49	<0.05	11.60	0.254	2.50	4.1	105
K291204		194.0	<0.002	0.01	17.45	13.3	1	1.7	34.3	0.66	0.11	12.45	0.294	5.52	3.7	100
K291205		183.0	<0.002	0.01	14.90	13.7	1	1.8	38.5	0.56	0.07	13.05	0.277	4.90	4.4	99
K291206		181.0	<0.002	0.03	14.55	14.6	2	2.0	38.4	0.59	0.35	13.25	0.290	5.40	5.2	102
K291207		152.5	<0.002	0.01	22.1	11.6	1	2.1	142.5	0.48	0.05	10.35	0.237	2.92	3.7	93
K291208		197.5	<0.002	0.01	25.5	13.2	1	2.1	45.9	0.49	0.15	10.90	0.254	4.42	4.2	96
K291209		215	<0.002	0.34	25.7	11.9	2	2.8	60.2	0.52	0.10	12.00	0.232	3.73	3.8	90
K291210		162.0	<0.002	0.02	23.9	10.8	1	3.3	73.7	0.35	0.17	10.20	0.163	3.88	5.8	76
K291211		135.5	<0.002	0.02	18.45	10.0	1	2.2	83.6	0.34	<0.05	10.10	0.169	3.43	5.1	76
K291212		208	<0.002	0.03	37.5	13.7	1	1.9	40.8	0.63	0.05	13.55	0.296	5.78	3.7	102
K291213		175.0	<0.002	0.02	27.0	11.7	1	2.8	55.5	0.49	0.08	12.10	0.225	4.18	4.5	90
K291214		1.6	0.002	<0.01	0.22	0.2	1	0.2	47.1	<0.05	<0.05	0.11	<0.005	0.02	0.5	2
K291215		186.5	0.002	0.01	20.3	11.4	1	3.2	43.9	0.44	0.06	11.45	0.219	4.18	4.4	91
K291216		154.5	<0.002	0.01	13.95	13.4	1	3.1	134.5	0.53	0.10	12.80	0.258	2.68	3.4	105
K291217		192.5	<0.002	0.01	18.75	14.8	1	2.6	81.4	0.59	0.07	12.80	0.270	3.37	3.6	111
K291218		140.0	<0.002	0.02	8.60	13.3	2	3.5	145.0	0.73	0.13	11.95	0.233	1.71	4.0	103
K291219		120.5	0.002	0.03	4.44	12.7	1	2.7	205	0.59	0.09	12.25	0.244	1.41	3.2	99
K291220		127.0	<0.002	0.04	5.19	12.5	2	2.6	193.5	0.51	0.22	12.30	0.225	1.37	3.1	95
K291221		142.0	0.002	7.76	100.5	8.3	2	10.7	63.8	0.37	0.63	8.93	0.161	2.28	5.3	56
K291222		167.5	<0.002	0.08	23.8	13.5	1	3.1	71.9	0.47	0.11	10.95	0.239	2.46	3.5	101
K291223		107.5	0.002	0.01	14.00	15.4	1	2.1	120.5	0.67	0.06	10.95	0.319	1.74	2.7	114
K291224		135.0	<0.002	0.06	14.00	14.3	1	2.4	141.5	0.57	1.49	12.15	0.292	2.17	2.8	109
K291225		164.5	<0.002	0.05	14.20	13.5	1	2.0	75.2	0.51	0.09	12.05	0.260	2.82	2.9	103
K291226		147.5	<0.002	0.07	10.10	13.6	2	1.6	114.0	0.26	0.13	10.75	0.189	2.31	2.5	100
K291227		148.0	<0.002	0.09	11.35	13.3	1	2.2	112.0	0.36	0.08	12.00	0.211	2.08	2.6	103
K291228		100.5	<0.002	0.03	10.20	13.4	1	2.1	143.5	0.50	0.06	11.75	0.261	1.42	2.6	103
K291229		86.8	<0.002	0.15	25.8	12.6	2	2.2	90.9	0.58	0.19	11.90	0.273	1.25	2.9	98
K291230		75.4	<0.002	0.10	17.95	13.4	1	1.9	86.9	0.61	0.07	12.15	0.301	1.27	2.9	104
K291231		101.0	0.002	0.16	12.30	12.7	1	1.8	150.0	0.57	0.08	12.10	0.283	1.46	2.5	101
K291232		102.5	<0.002	0.19	7.26	13.2	1	2.2	133.5	0.57	0.10	11.80	0.281	1.46	2.0	101
K291233		136.0	0.002	0.32	16.35	13.6	2	5.3	67.5	0.43	0.19	10.55	0.229	1.67	2.6	103
K291234		79.8	<0.002	0.14	16.25	13.5	2	2.0	61.5	0.62	0.09	12.60	0.272	1.22	2.9	102
K291235		143.5	<0.002	0.07	13.35	11.9	1	7.5	46.2	0.33	0.18	10.30	0.182	1.76	2.6	97
K291236		117.5	<0.002	0.15	21.6	10.5	1	2.2	95.7	0.40	0.08	13.40	0.200	1.80	2.8	88

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114049

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K291201		5.6	10.1	194	19.1	0.086
K291202		6.5	12.3	219	21.5	0.029
K291203		9.9	11.6	110	14.8	0.024
K291204		5.8	10.1	107	9.1	0.022
K291205		9.8	12.5	137	9.4	0.051
K291206		7.6	14.1	175	10.4	0.108
K291207		12.9	13.5	188	13.6	0.094
K291208		16.5	12.9	204	7.0	0.078
K291209		20.5	12.7	132	8.0	0.050
K291210		10.1	17.1	240	7.6	0.133
K291211		8.0	18.6	270	7.5	0.072
K291212		7.8	12.5	75	9.3	0.041
K291213		5.8	11.9	130	9.6	0.066
K291214		0.3	0.8	16	<0.5	<0.005
K291215		5.8	13.4	119	9.1	0.080
K291216		8.1	13.0	65	10.4	0.018
K291217		6.2	13.4	165	11.1	0.076
K291218		38.1	12.5	41	11.5	0.025
K291219		18.7	12.5	39	11.5	0.022
K291220		14.2	12.5	41	12.7	0.121
K291221		6.8	9.2	3310	24.3	1.775
K291222		7.0	12.1	349	8.3	0.072
K291223		3.6	12.5	68	10.9	0.007
K291224		2.9	14.3	78	10.6	0.039
K291225		2.8	13.2	74	10.1	0.029
K291226		2.0	12.6	58	9.9	0.013
K291227		4.1	12.7	42	8.5	0.012
K291228		2.8	15.0	36	8.8	0.011
K291229		4.3	14.3	50	9.6	0.056
K291230		6.9	14.7	44	10.5	0.009
K291231		3.5	14.7	44	8.5	0.011
K291232		3.2	12.2	37	9.7	0.011
K291233		5.6	11.3	49	10.8	0.189
K291234		5.6	13.3	34	10.6	0.029
K291235		6.0	8.8	38	11.5	0.070
K291236		4.5	10.9	46	11.5	0.020

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

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

Project: Klaza

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114049

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114050

Project: Klaza

P.O. No.: Trench Batch 2

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

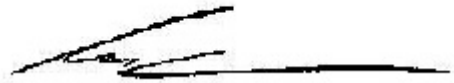
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114050

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R499501		10.46				0.28	8.23	39.7	1440	1.54	0.75	0.15	0.20	36.2	14.2	12
R499502		12.03				4.22	9.23	171.0	750	2.23	0.43	0.53	4.46	39.1	27.8	27
R499503		7.15				1.15	7.46	38.5	1250	1.55	1.79	0.70	2.32	54.2	9.5	12
R499504		7.16				0.70	7.87	17.6	1210	1.44	2.82	0.47	2.60	59.3	8.9	9
R499505		8.48				6.36	7.58	139.0	1040	1.60	6.66	0.24	3.00	60.6	7.5	10
R499506		8.98				2.86	7.75	72.7	1150	1.90	3.47	0.20	3.09	50.7	13.7	10
R499507		4.94				11.95	7.34	183.0	1360	2.15	6.72	0.20	14.10	51.8	14.4	9
R499508		3.88				0.27	6.02	9.3	1760	1.22	0.88	0.02	0.07	84.8	0.8	9
R499509		7.26				0.94	6.58	3860	540	1.45	1.02	0.33	1.07	46.3	11.3	19
R499510		10.38				0.96	6.85	2100	530	1.56	0.59	0.24	2.06	49.1	12.8	21
R499511		9.39				1.14	5.09	4680	320	1.20	0.67	0.40	2.22	35.9	10.2	19
R499512		7.31			1.165	1.53	4.02	>10000	310	1.06	0.38	0.64	2.23	30.7	7.8	17
R499513		3.42				1.93	7.23	358	420	1.49	0.70	0.49	2.82	53.6	12.2	22
R499514		7.21				0.87	8.26	164.0	870	1.95	0.72	1.34	1.56	45.5	13.6	23
R499515		7.05				1.22	8.15	197.0	570	1.74	1.15	0.68	1.35	53.9	12.3	24
R499516		6.20				1.90	6.94	223	560	1.50	1.36	0.33	7.19	49.6	14.9	23
R499517		7.99				1.21	6.95	178.0	870	1.50	0.85	0.84	2.27	41.4	12.5	21
R499518		6.59				0.42	8.53	33.7	1490	1.96	0.29	2.28	1.93	47.9	16.9	26
R499519		5.07				0.50	8.17	26.3	1570	1.65	0.22	2.13	3.36	50.1	18.0	23
R499520		7.40				0.51	8.35	26.7	1730	1.64	0.29	1.55	3.67	63.4	19.1	25
R499521		5.35				0.41	8.36	20.2	1490	1.62	0.23	2.35	1.40	49.9	14.7	24
R499522		6.77				0.42	8.36	19.9	1450	1.42	0.25	1.76	1.47	48.5	14.1	23
R499523		8.16				0.47	7.96	20.4	1450	1.48	0.44	2.09	1.42	44.7	14.4	22
R499524		6.22				0.51	8.19	32.9	1510	1.58	0.64	1.41	1.87	49.4	13.4	22
R499525		8.98				0.30	8.22	27.8	1440	1.63	0.32	2.16	1.11	50.6	13.7	24
R499526		6.07				0.01	0.05	<0.2	30	0.11	0.04	20.4	0.06	1.25	0.8	1
R499527		3.08				0.31	8.86	34.1	1470	1.72	0.28	1.47	2.03	52.6	15.0	25
R499528		4.45				0.55	9.20	86.4	1810	1.38	0.39	0.57	1.71	67.4	10.2	25
R499529		3.90				0.86	8.46	169.0	1330	1.35	1.15	0.89	3.63	52.6	13.6	23
R499530		5.50				0.69	8.61	149.0	1620	1.56	1.08	0.80	1.76	57.0	17.3	23
R499531		6.94				0.76	8.53	97.7	1680	1.91	1.32	1.89	1.61	56.5	14.7	24
R499532		5.36				1.68	8.64	146.0	1650	1.62	3.78	1.07	4.53	63.3	14.5	26
R499533		0.29	120	1.605		>100	5.35	7240	1210	1.29	62.8	1.92	221	36.7	10.1	18
R499534		4.64				0.50	9.09	17.4	1830	1.74	0.43	0.58	0.84	61.8	11.0	25
R499535		5.37				0.77	8.97	14.4	1830	1.83	0.45	1.02	0.80	64.8	13.7	24
R499536		5.12				0.44	8.90	73.2	1580	1.88	0.44	1.27	0.39	59.4	14.8	13

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

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114050

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R499501		7.69	68.6	4.14	18.50	0.07	0.5	0.037	2.54	20.0	34.6	0.32	270	7.61	0.10	3.5
R499502		27.6	126.5	5.75	24.7	0.08	0.7	0.090	1.94	18.7	51.0	0.42	1300	3.83	0.08	5.2
R499503		9.48	69.0	3.18	16.75	0.09	0.9	0.104	2.59	29.8	21.5	0.69	1030	2.29	1.18	7.7
R499504		12.80	58.5	2.67	17.75	0.09	0.7	0.159	2.79	32.7	21.0	0.63	694	1.70	0.77	8.5
R499505		27.3	98.5	4.54	17.30	0.08	0.7	0.511	2.84	36.8	16.4	0.38	696	2.46	0.14	7.4
R499506		37.9	56.7	3.76	17.70	0.10	0.7	0.193	2.96	27.8	19.5	0.35	1900	2.45	0.08	7.4
R499507		18.70	161.0	5.19	16.90	0.11	0.6	0.548	2.75	31.0	22.1	0.32	3530	3.78	0.10	6.1
R499508		2.50	5.7	0.63	14.65	0.13	3.2	0.050	2.85	40.5	12.7	0.12	69	2.00	0.07	11.8
R499509		19.40	21.0	3.38	18.20	0.09	0.5	0.153	2.07	29.7	65.1	0.28	3070	5.00	0.05	6.5
R499510		20.5	18.5	3.15	18.05	0.07	0.6	0.131	1.89	31.0	71.6	0.23	3850	6.47	0.04	6.7
R499511		18.65	11.0	2.77	13.10	0.09	0.4	0.074	1.41	20.3	72.0	0.22	2650	16.20	0.03	4.9
R499512		23.0	16.3	3.07	10.45	0.06	0.3	0.060	1.06	18.2	78.1	0.28	4510	16.65	0.04	3.7
R499513		19.60	30.5	4.72	17.75	0.12	0.5	0.126	1.72	33.5	87.4	0.21	7490	4.93	0.04	6.7
R499514		15.75	20.8	4.06	22.2	0.11	0.6	0.134	2.40	22.2	44.1	0.31	2360	4.17	0.09	8.1
R499515		17.20	28.4	4.57	21.0	0.12	0.6	0.163	2.36	30.4	48.7	0.33	3100	4.15	0.04	7.6
R499516		15.45	48.9	5.90	18.10	0.11	0.6	0.461	1.52	31.8	59.5	0.31	4440	8.39	0.20	5.9
R499517		23.0	29.8	5.60	17.50	0.11	0.5	0.115	1.38	28.4	52.5	0.58	1440	5.43	0.67	6.1
R499518		20.0	31.4	5.20	22.1	0.10	0.6	0.093	2.06	26.8	29.4	1.39	1820	2.77	1.96	8.0
R499519		21.1	34.7	4.88	21.3	0.08	0.6	0.122	2.20	28.9	26.5	1.19	2640	3.34	1.92	8.0
R499520		29.1	42.9	5.08	21.4	0.14	0.7	0.076	2.13	38.0	39.5	0.90	3920	4.28	1.45	8.0
R499521		19.05	25.0	4.44	21.9	0.07	0.6	0.075	2.18	24.6	24.5	1.42	1440	2.03	2.17	8.1
R499522		30.5	28.7	4.36	21.9	0.10	0.6	0.079	2.11	23.9	26.9	1.37	1340	1.84	1.79	8.2
R499523		17.90	25.4	4.33	21.4	0.09	0.6	0.093	2.11	22.8	30.0	1.58	1310	2.29	2.02	8.1
R499524		31.2	26.1	4.18	22.0	0.08	0.7	0.142	2.11	22.7	25.4	1.45	1260	1.81	1.34	8.1
R499525		25.6	20.3	4.10	21.6	0.08	0.6	0.083	2.14	25.3	23.8	1.19	1040	1.84	2.02	8.3
R499526		0.16	1.9	0.57	0.19	<0.05	<0.1	0.006	0.02	0.6	1.2	12.65	224	0.10	0.01	0.2
R499527		40.6	23.2	4.17	23.4	0.11	0.6	0.072	2.27	24.0	26.1	1.21	1190	1.74	1.63	8.4
R499528		30.2	31.0	3.80	24.2	0.11	0.8	0.075	2.77	28.7	27.1	0.35	1180	3.13	0.48	10.5
R499529		23.8	20.7	4.64	21.2	0.11	0.6	0.141	2.46	26.4	47.6	0.28	1980	7.17	0.15	9.1
R499530		27.4	28.2	4.29	23.1	0.08	0.7	0.181	2.37	26.9	32.9	0.61	1290	3.12	0.60	9.2
R499531		28.6	35.8	4.57	22.4	0.09	0.7	0.141	2.51	27.2	28.8	1.12	1340	3.02	1.70	9.8
R499532		30.2	55.1	4.24	21.8	0.11	0.8	0.245	2.56	31.8	30.8	0.38	1460	3.53	1.10	9.6
R499533		11.90	1280	7.88	13.65	0.10	1.1	4.79	2.24	19.0	34.2	0.62	3020	15.45	0.08	5.8
R499534		14.30	44.5	3.68	24.6	0.09	0.6	0.073	2.81	28.8	32.1	0.58	735	3.43	0.47	11.2
R499535		20.4	51.7	3.87	23.5	0.11	0.6	0.064	2.68	32.5	31.3	0.71	965	4.04	1.14	10.6
R499536		32.2	44.2	4.17	23.3	0.10	1.0	0.100	2.55	28.1	24.2	0.77	1100	2.56	1.63	9.3

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114050

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R499501		7.7	510	39.7	146.0	<0.002	0.10	16.05	11.7	2	3.3	53.4	0.33	0.13	14.35	0.146
R499502		27.6	1410	957	110.0	<0.002	0.33	38.2	22.6	1	2.2	59.2	0.31	0.10	3.50	0.430
R499503		5.7	500	143.5	132.0	<0.002	0.41	8.48	8.8	1	1.6	174.5	0.71	0.26	16.00	0.211
R499504		4.3	450	65.5	147.5	<0.002	0.14	9.82	10.6	1	1.9	140.5	0.81	0.28	18.25	0.225
R499505		2.8	460	1140	167.5	<0.002	0.20	49.5	10.4	1	2.7	70.8	0.70	1.12	15.25	0.213
R499506		4.8	480	357	176.0	<0.002	0.20	22.7	11.3	1	2.8	69.1	0.68	0.95	14.65	0.216
R499507		6.8	520	2520	151.0	<0.002	0.36	31.2	10.3	2	2.9	114.0	0.54	1.48	15.60	0.188
R499508		0.9	80	22.9	145.5	<0.002	0.24	8.52	4.7	1	1.8	35.9	1.11	0.12	19.95	0.090
R499509		5.1	580	61.8	110.0	<0.002	0.29	77.2	13.5	1	1.3	46.4	0.45	0.09	7.65	0.317
R499510		7.3	600	58.0	98.2	<0.002	0.12	60.6	13.3	1	1.3	51.5	0.44	0.08	7.99	0.323
R499511		4.8	410	155.5	76.5	<0.002	1.04	103.5	9.7	1	0.9	44.1	0.33	0.07	5.36	0.253
R499512		4.4	320	204	59.3	<0.002	0.77	148.5	9.2	<1	0.8	50.0	0.24	0.07	4.36	0.192
R499513		6.5	740	173.5	91.3	<0.002	0.33	54.6	16.1	1	1.5	66.0	0.45	0.16	7.86	0.342
R499514		5.4	920	70.9	106.5	<0.002	0.71	21.5	16.5	1	1.6	88.1	0.55	0.13	7.78	0.399
R499515		5.5	950	62.8	118.5	<0.002	0.40	22.2	16.5	1	1.8	64.2	0.52	0.19	8.81	0.387
R499516		6.8	710	43.0	80.4	<0.002	0.34	30.7	15.4	1	1.4	89.2	0.41	0.14	7.63	0.308
R499517		5.7	680	88.2	72.1	<0.002	0.30	26.8	15.1	1	1.2	215	0.41	0.06	6.96	0.323
R499518		7.7	970	52.4	81.9	<0.002	0.02	8.67	19.4	1	1.4	499	0.53	<0.05	7.95	0.439
R499519		6.4	930	73.8	90.3	<0.002	0.02	8.53	18.0	1	1.3	491	0.54	<0.05	8.83	0.405
R499520		6.4	920	52.3	96.6	<0.002	0.01	10.80	18.9	1	1.4	398	0.57	<0.05	9.84	0.409
R499521		5.6	940	42.6	81.5	<0.002	0.02	6.80	17.4	1	1.4	551	0.54	<0.05	7.54	0.431
R499522		5.2	950	40.8	82.4	<0.002	0.01	8.11	18.2	1	1.4	414	0.56	<0.05	8.12	0.424
R499523		4.9	910	38.2	72.1	<0.002	0.06	6.15	16.1	1	1.4	488	0.53	<0.05	6.97	0.415
R499524		5.3	910	35.4	80.5	<0.002	0.01	7.35	18.2	1	1.4	339	0.56	<0.05	8.08	0.402
R499525		4.9	930	27.9	80.1	<0.002	0.02	5.92	16.9	<1	1.4	491	0.58	<0.05	8.31	0.423
R499526		1.6	230	1.2	1.0	<0.002	<0.01	0.05	0.2	<1	<0.2	51.3	<0.05	<0.05	0.08	<0.005
R499527		5.7	980	28.2	95.5	<0.002	0.01	7.29	18.9	1	1.5	409	0.56	<0.05	8.96	0.435
R499528		4.5	1020	74.8	132.0	<0.002	0.02	14.45	17.3	1	1.7	192.5	0.76	<0.05	13.05	0.439
R499529		6.3	920	103.0	141.5	<0.002	0.34	20.5	15.3	<1	1.6	129.5	0.63	0.11	10.05	0.411
R499530		6.1	1000	34.7	113.0	<0.002	0.16	14.80	17.0	1	1.6	189.0	0.65	0.07	10.45	0.428
R499531		6.8	980	47.7	114.0	<0.002	0.08	11.25	16.0	1	1.6	435	0.66	0.07	10.20	0.429
R499532		8.0	940	67.2	121.5	<0.002	0.14	16.50	14.8	1	1.5	288	0.69	0.10	11.75	0.413
R499533		15.0	450	9600	138.5	<0.002	6.93	212	7.7	1	8.7	123.5	0.45	0.50	8.78	0.177
R499534		6.3	930	34.0	108.5	<0.002	0.01	7.91	14.2	<1	1.8	211	0.78	<0.05	13.65	0.408
R499535		7.1	930	45.2	126.0	<0.002	0.01	6.18	15.1	1	1.5	300	0.77	<0.05	14.20	0.396
R499536		6.9	1030	18.8	122.0	<0.002	0.01	9.53	16.7	1	1.6	391	0.64	<0.05	10.90	0.423

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114050

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R499501		1.81	2.3	89	2.7	9.3	46	13.1	0.034
R499502		2.14	1.9	174	10.0	17.7	395	23.6	0.263
R499503		1.65	2.7	65	2.0	13.7	220	26.3	0.048
R499504		1.97	3.3	69	1.7	14.3	217	18.5	0.037
R499505		2.98	3.7	74	3.3	11.4	424	18.5	0.683
R499506		3.08	4.1	77	2.8	14.4	304	18.8	0.139
R499507		2.52	5.8	72	2.6	16.4	856	15.1	0.523
R499508		0.85	4.1	10	1.9	14.3	10	90.5	<0.005
R499509		3.81	4.7	100	7.3	23.0	138	9.3	0.071
R499510		4.03	4.2	101	8.1	25.1	197	10.1	0.065
R499511		4.35	4.9	78	6.4	16.0	199	9.1	0.064
R499512		6.32	4.0	67	3.9	14.2	204	5.7	0.110
R499513		2.27	3.1	116	7.3	26.6	265	10.5	0.098
R499514		2.70	2.4	127	6.4	18.9	185	9.9	0.039
R499515		2.64	3.1	123	8.8	24.9	196	10.3	0.100
R499516		1.89	4.1	108	7.7	27.8	577	9.6	0.092
R499517		1.18	4.1	107	8.2	26.8	405	9.1	0.089
R499518		1.28	3.0	143	2.4	30.9	367	11.9	0.005
R499519		1.40	2.3	132	2.1	31.0	394	10.9	0.006
R499520		1.40	2.7	130	3.6	37.0	352	12.0	0.008
R499521		1.17	1.7	139	1.5	17.3	192	12.1	0.008
R499522		1.03	1.8	138	2.3	17.1	200	12.3	<0.005
R499523		0.96	1.8	130	1.2	19.5	216	11.1	0.008
R499524		1.07	1.6	127	3.2	18.3	340	12.9	0.008
R499525		1.00	1.7	134	2.9	19.4	231	11.7	0.005
R499526		<0.02	0.8	2	0.1	0.8	19	<0.5	<0.005
R499527		1.08	1.7	138	5.6	17.4	273	11.4	0.007
R499528		2.37	2.5	136	9.2	18.1	195	20.0	0.007
R499529		3.20	3.6	126	9.1	21.0	414	13.9	0.022
R499530		2.95	3.0	137	5.1	23.4	237	18.0	0.017
R499531		2.23	2.5	129	3.7	21.1	239	15.4	0.024
R499532		3.34	3.2	121	7.6	23.6	503	17.3	0.164
R499533		2.20	5.3	51	4.4	9.6	>10000	32.7	4.50
R499534		0.92	2.4	116	10.1	20.4	127	14.6	0.012
R499535		1.25	2.5	116	4.4	24.1	134	13.6	0.013
R499536		2.28	2.5	135	13.9	18.8	95	30.2	0.018

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

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

Project: Klaza

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114050

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114051

Project: Klaza

P.O. No.: Trench Batch 3

This report is for 30 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

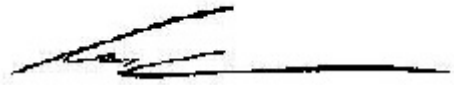
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114051

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R499537		6.50	0.61	8.41	42.7	2010	1.29	4.70	0.96	0.74	49.0	16.9	11	16.95	38.9	4.10
R499538		8.50	0.95	9.07	59.3	2320	1.14	5.99	0.28	0.34	43.7	12.7	8	21.3	22.5	4.09
R499539		8.78	1.23	8.10	145.5	1620	1.33	11.35	1.73	0.32	45.4	21.8	11	21.0	50.9	5.05
R499540		7.07	0.51	8.07	298	1390	1.37	2.88	1.95	0.59	48.7	16.1	11	24.3	49.8	4.55
R499541		0.27	37.3	5.47	2350	1160	1.00	36.3	1.57	42.6	40.4	15.9	21	9.95	1105	8.54
R499542		5.03	0.61	8.59	60.3	1270	1.23	2.48	1.05	0.68	55.8	24.5	8	28.1	39.9	3.85
R499543		3.28	0.82	8.26	57.0	2890	1.29	6.51	0.91	0.52	45.5	15.6	10	25.5	46.4	3.60
R499544		5.53	0.44	7.87	32.3	1490	1.34	4.03	2.06	1.18	43.0	15.2	17	18.85	54.5	4.61
R499545		7.25	1.13	7.76	40.2	1510	1.39	20.1	1.60	0.24	45.1	13.0	12	23.0	81.6	4.46
R499546		7.68	1.24	8.26	64.2	1900	1.30	27.2	0.39	0.38	51.9	15.7	15	27.6	123.0	4.33
R499547		8.83	0.91	8.56	93.4	2020	1.15	13.80	0.38	0.53	57.8	13.2	17	16.75	119.5	3.79
R499548		6.02	1.24	8.54	84.3	1350	1.28	17.70	0.35	0.31	59.1	14.9	16	18.15	118.0	3.98
R499549		5.93	0.01	0.12	0.5	40	0.16	0.13	19.95	0.08	1.43	0.8	1	1.45	1.6	0.47
R499550		4.36	0.82	8.32	68.9	1800	0.97	7.86	0.25	1.61	57.6	11.6	13	15.30	133.5	3.42
R610761		4.81	0.97	5.94	152.5	280	1.17	22.2	1.12	6.15	44.9	13.0	12	23.6	134.0	5.57
R610762		5.08	0.90	3.13	239	120	0.70	9.13	2.69	4.54	22.5	3.3	8	12.05	24.7	1.85
R610763		2.83	1.86	5.85	527	110	0.80	16.85	0.53	2.72	44.4	9.3	12	14.75	65.8	3.46
R610764		5.51	1.79	5.99	1085	80	0.77	14.75	0.64	1.32	46.1	10.3	14	15.35	59.0	3.25
R610765		4.62	1.28	6.17	523	110	0.84	13.40	0.88	1.91	47.9	8.4	13	12.10	75.4	3.20
R610766		4.78	1.53	4.58	633	120	0.80	22.2	3.58	3.09	35.5	6.4	10	12.60	77.6	2.59
R610767		4.00	1.01	7.94	966	350	1.19	16.75	0.57	1.35	54.9	10.1	16	15.50	131.5	3.71
R610768		5.37	1.45	8.48	256	580	1.23	33.6	0.29	0.47	54.9	11.7	17	10.70	240	3.71
R610769		5.34	1.60	9.00	124.5	2060	1.16	185.5	0.18	0.20	53.8	14.0	17	11.85	214	3.86
R610770		4.70	1.75	8.75	116.0	1330	1.65	56.9	0.37	0.41	68.3	15.6	18	14.70	242	5.47
R610771		4.73	1.10	8.84	34.7	2330	1.24	47.7	0.27	0.14	38.5	6.7	17	18.70	157.0	3.88
R610772		4.62	0.78	8.05	30.3	3730	1.64	41.0	0.46	0.26	54.8	12.5	14	32.6	36.0	4.04
R610773		5.15	0.29	7.95	14.4	1630	1.71	6.96	1.23	0.18	58.6	13.4	15	18.35	61.5	4.45
R610774		4.05	0.29	7.89	19.3	1560	1.59	9.92	1.75	0.16	52.5	13.1	15	20.7	54.0	4.08
R610775		6.62	0.29	7.51	19.1	1550	1.51	4.69	1.37	0.18	54.1	12.8	15	19.55	46.0	4.09
R610776		2.17	0.70	8.11	68.9	970	1.37	40.7	0.38	0.22	66.5	14.9	15	23.2	116.5	4.33

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

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

Finalized Date: 11-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114051

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R499537		20.1	0.23	0.8	0.119	3.59	22.3	25.6	1.14	677	2.84	1.33	8.1	4.7	1120	30.2
R499538		21.2	0.26	0.8	0.076	4.82	21.1	30.6	0.35	421	3.18	0.33	7.8	3.6	1010	39.9
R499539		20.3	0.23	0.8	0.125	2.29	21.2	32.0	0.69	1040	3.83	0.83	7.7	5.7	1070	28.9
R499540		20.0	0.26	0.9	0.107	2.02	23.7	34.3	0.92	1380	4.46	1.30	7.8	5.6	1070	33.2
R499541		13.20	0.16	0.9	1.425	2.47	22.1	14.7	0.65	2200	16.65	0.06	4.8	14.0	420	1590
R499542		22.1	0.23	0.9	0.140	1.84	28.6	44.7	0.60	1780	3.30	0.85	8.3	5.1	1220	33.1
R499543		19.00	0.24	0.7	0.142	4.37	23.4	25.2	0.55	621	3.18	0.91	8.0	4.8	960	46.4
R499544		20.3	0.23	0.7	0.176	2.26	20.1	25.9	1.58	979	2.18	1.74	8.0	8.1	990	18.6
R499545		20.7	0.25	0.6	0.146	2.36	21.8	26.9	1.52	829	2.12	1.29	8.1	5.5	1020	20.3
R499546		21.7	0.24	0.5	0.271	3.66	25.3	35.9	0.76	753	3.47	0.21	8.8	6.0	930	24.9
R499547		21.0	0.25	0.5	0.255	3.61	27.1	33.4	0.26	841	3.69	0.27	9.7	6.0	880	25.1
R499548		20.9	0.23	0.6	0.346	2.53	29.5	39.8	0.14	1020	4.35	0.09	8.3	6.6	930	25.9
R499549		0.49	0.31	<0.1	0.005	0.07	0.7	1.9	12.40	207	1.20	0.01	0.5	1.7	180	1.6
R499550		20.2	0.27	0.5	0.392	3.28	26.2	24.9	0.11	988	4.21	0.11	8.7	5.7	870	21.8
R610761		16.65	0.15	0.5	0.428	0.97	23.3	57.9	0.29	2260	5.90	0.02	6.1	6.1	610	41.4
R610762		7.41	0.12	0.2	0.062	0.53	11.5	68.1	0.45	1630	3.34	0.02	3.2	2.8	300	61.3
R610763		14.00	0.14	0.4	0.150	0.68	22.9	63.3	0.12	3290	5.90	0.02	6.1	6.8	600	87.6
R610764		14.60	0.16	0.6	0.129	0.74	23.6	61.3	0.14	2490	5.07	0.02	6.3	9.0	600	48.3
R610765		14.00	0.15	0.4	0.135	0.47	24.3	69.3	0.17	3310	4.73	0.02	6.7	7.5	650	57.7
R610766		10.95	0.16	0.3	0.120	0.53	18.4	69.1	0.29	2710	3.85	0.02	4.9	6.5	460	81.2
R610767		19.50	0.15	0.5	0.159	0.87	27.9	54.2	0.17	2120	4.26	0.03	8.6	7.3	860	29.2
R610768		21.5	0.17	0.6	0.128	1.18	27.0	55.5	0.14	1020	3.88	0.04	8.2	6.3	940	21.0
R610769		22.8	0.21	0.6	0.074	3.03	25.9	34.3	0.16	564	3.97	0.11	9.2	5.6	820	24.7
R610770		22.6	0.18	0.7	0.344	1.76	35.2	48.1	0.22	1130	4.11	0.20	8.7	8.3	970	23.7
R610771		22.6	0.21	0.7	0.174	3.20	19.5	37.8	0.43	339	3.23	0.54	9.6	3.5	920	21.0
R610772		20.3	0.26	0.6	0.236	3.44	28.0	41.1	1.03	964	2.78	0.67	7.9	6.3	840	21.0
R610773		20.5	0.28	0.6	0.117	2.49	29.5	25.5	1.41	952	2.31	1.42	9.0	7.4	970	15.6
R610774		20.4	0.29	0.6	0.134	2.35	26.3	20.7	1.31	710	2.22	1.82	8.6	7.0	910	15.5
R610775		18.95	0.28	0.7	0.104	2.38	26.8	28.1	1.55	694	2.15	1.34	8.5	6.4	900	16.8
R610776		20.4	0.24	0.6	0.104	1.41	36.0	42.4	0.29	889	4.74	0.17	8.5	6.1	980	18.4

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

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

Finalized Date: 11-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114051

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R499537		185.5	<0.002	0.21	8.85	14.8	1	2.3	325	0.52	0.20	7.20	0.466	4.56	2.6	148
R499538		265	<0.002	0.16	15.35	15.9	1	2.1	152.5	0.50	0.22	7.01	0.468	6.39	2.6	148
R499539		106.5	<0.002	0.55	14.85	13.8	1	1.9	281	0.50	0.55	6.80	0.441	3.36	2.2	136
R499540		95.9	<0.002	0.06	15.55	14.1	1	1.7	376	0.52	0.21	7.01	0.429	3.37	2.2	134
R499541		152.0	0.002	7.48	98.7	7.8	2	10.5	62.8	0.41	0.66	10.50	0.161	2.20	5.6	53
R499542		104.0	<0.002	0.08	23.7	14.4	1	1.6	246	0.53	0.14	7.40	0.484	3.64	2.5	146
R499543		206	<0.002	0.06	20.4	13.8	1	1.9	293	0.55	0.45	8.14	0.422	5.51	2.5	126
R499544		92.6	<0.002	0.15	8.00	16.5	1	2.3	433	0.51	0.30	6.27	0.458	2.60	1.8	148
R499545		107.5	<0.002	0.13	9.98	13.2	1	3.4	375	0.54	1.73	6.71	0.422	2.98	2.2	130
R499546		191.0	<0.002	0.10	17.10	14.1	1	4.5	134.0	0.63	1.70	9.88	0.403	4.58	3.0	119
R499547		185.0	<0.002	0.10	33.7	13.9	1	3.7	169.5	0.69	1.12	12.50	0.406	3.91	3.4	115
R499548		139.5	<0.002	0.14	40.6	14.0	1	3.4	120.5	0.59	1.18	12.55	0.362	2.96	3.8	116
R499549		6.5	<0.002	<0.01	0.26	0.2	<1	0.3	49.0	0.05	<0.05	0.17	<0.005	0.04	0.6	2
R499550		151.0	<0.002	0.23	29.2	11.9	1	2.6	137.0	0.65	0.44	13.95	0.358	2.97	4.0	105
R610761		79.2	<0.002	0.67	61.1	9.5	1	3.1	55.2	0.42	1.45	8.66	0.267	1.91	4.2	90
R610762		46.6	<0.002	0.40	53.8	4.9	<1	1.2	67.1	0.23	0.98	4.57	0.140	1.40	3.1	49
R610763		65.2	<0.002	0.49	78.0	9.5	1	2.8	45.8	0.42	1.25	8.77	0.264	2.86	4.5	83
R610764		68.6	<0.002	0.45	71.0	9.2	1	2.4	58.4	0.43	1.80	8.56	0.272	3.42	5.2	85
R610765		45.5	<0.002	0.33	69.9	10.2	1	2.2	70.7	0.46	1.36	9.04	0.291	1.96	4.3	91
R610766		50.8	<0.002	0.40	75.1	7.6	1	1.7	120.0	0.35	1.71	6.99	0.210	1.84	4.8	68
R610767		68.6	<0.002	0.20	51.9	12.9	1	3.0	86.9	0.60	1.66	10.75	0.373	2.06	4.3	111
R610768		80.6	<0.002	0.16	55.7	13.5	1	3.8	75.5	0.58	2.75	10.65	0.385	1.82	3.9	121
R610769		151.5	<0.002	0.07	37.9	14.6	1	3.5	132.5	0.65	45.3	12.10	0.400	3.06	3.4	125
R610770		94.9	<0.002	0.12	60.9	15.3	1	3.9	106.0	0.63	5.87	12.60	0.368	1.82	4.0	122
R610771		153.0	<0.002	0.16	17.75	12.9	1	3.2	199.5	0.70	4.51	11.90	0.401	2.86	3.3	119
R610772		166.5	<0.002	0.12	10.00	13.3	1	2.1	220	0.56	2.83	11.80	0.332	3.29	2.8	109
R610773		111.0	<0.002	0.06	4.80	14.4	1	2.4	355	0.63	0.68	9.81	0.399	1.81	2.4	126
R610774		100.5	<0.002	0.09	4.27	14.2	1	2.5	438	0.60	1.02	9.51	0.396	1.63	2.6	123
R610775		100.5	<0.002	0.01	4.21	13.4	1	2.5	351	0.60	0.77	10.00	0.374	1.59	2.6	114
R610776		74.2	<0.002	0.04	21.3	14.4	2	4.2	121.0	0.58	3.57	11.45	0.372	1.37	3.5	117

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

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

Finalized Date: 11-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114051

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R499537		6.5	18.0	133	17.5	0.386
R499538		10.2	15.0	80	18.8	1.550
R499539		9.8	17.9	91	17.0	0.230
R499540		5.9	20.9	114	21.1	0.045
R499541		7.2	9.2	3210	23.0	1.675
R499542		7.7	24.5	121	19.7	0.028
R499543		5.3	18.5	101	15.8	0.131
R499544		3.5	16.6	195	13.2	0.034
R499545		4.6	18.2	79	10.6	0.042
R499546		7.1	19.3	93	9.8	0.079
R499547		9.1	18.7	79	10.7	0.043
R499548		10.4	19.6	78	12.2	0.032
R499549		0.1	0.9	19	<0.5	<0.005
R499550		10.6	17.9	177	9.4	0.027
R610761		6.4	18.6	292	11.1	0.043
R610762		7.8	8.7	184	3.8	0.045
R610763		8.3	17.4	193	7.4	0.111
R610764		11.0	14.9	118	8.2	0.086
R610765		14.7	16.1	125	7.9	0.065
R610766		9.9	14.3	153	6.9	0.057
R610767		13.9	19.6	100	10.0	0.040
R610768		10.0	19.3	81	13.2	0.055
R610769		11.7	18.9	56	12.7	0.188
R610770		10.2	26.0	89	15.0	0.105
R610771		9.5	13.9	46	12.0	0.070
R610772		3.6	20.2	67	11.5	0.086
R610773		3.1	20.6	69	12.7	0.012
R610774		2.0	19.0	68	12.5	0.012
R610775		2.0	20.6	68	18.3	0.013
R610776		10.7	28.1	62	12.2	0.022

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

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

Project: Klaza

Finalized Date: 11-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114051

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114052

Project: Klaza

P.O. No.: Batch 31

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

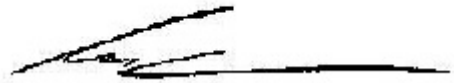
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114052

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K290581		1.46	4.98	6.93	201	810	1.55	4.49	0.14	2.18	44.9	3.9	11	5.61	67.9	4.50
K290582		0.28	11.05	5.94	1235	990	1.29	12.90	1.69	28.7	42.1	17.0	18	13.05	260	5.82
K290583		2.45	6.01	5.23	203	330	1.14	4.67	0.13	0.32	37.8	10.6	9	12.15	17.8	3.71
K290584		2.11	16.55	3.45	337	620	0.89	10.60	0.06	0.27	38.9	22.7	7	15.35	94.0	10.50
K290585		1.77	41.4	2.98	186.0	720	0.70	47.3	0.05	0.19	39.3	25.2	9	3.99	14.6	6.12
K290586		1.47	15.00	2.08	34.8	490	0.45	7.87	0.15	0.65	15.85	42.6	13	2.47	6.7	3.67
K290587		1.50	7.26	3.01	35.4	270	0.71	7.30	1.34	1.93	11.50	75.0	15	4.57	6.2	5.82
K290588		2.10	3.83	2.36	12.9	2070	0.88	3.76	2.77	1.24	13.85	20.2	12	5.60	15.2	1.93
K290589		5.97	0.05	0.06	<0.2	30	0.05	0.07	19.00	0.06	1.13	0.7	2	0.55	1.9	0.46
K290590		2.82	0.41	2.73	7.6	1480	0.73	0.52	0.99	1.22	19.85	5.1	15	5.69	5.9	1.33
K290591		1.61	12.70	4.94	43.4	2800	1.89	1.35	0.71	35.1	26.5	4.4	11	17.70	45.3	1.66
K290592		2.90	0.27	5.91	10.1	490	2.54	0.41	0.35	1.09	15.65	0.4	3	34.0	1.7	0.66
K290593		3.58	2.12	5.21	15.5	1180	1.67	0.46	3.03	2.49	23.7	4.5	9	13.75	6.0	1.97
K290594		7.31	1.73	6.77	17.1	1640	1.44	0.53	2.01	4.22	45.0	6.1	10	12.20	6.9	3.45
K290595		3.50	2.56	6.67	13.6	1700	1.39	0.44	2.14	3.82	44.0	5.3	9	11.65	5.5	3.27
K290596		2.58	2.61	7.29	13.0	1880	1.66	0.24	2.09	3.06	48.4	7.7	8	9.38	9.6	3.36
K290597		1.17	0.88	7.85	14.4	1720	1.80	0.14	1.84	4.07	46.8	3.0	8	12.35	2.2	4.12
K290598		1.62	24.0	7.28	479	840	1.77	2.48	1.34	50.5	51.2	8.1	18	16.45	78.6	3.78
K290599		1.60	0.57	8.24	23.9	1920	1.76	0.34	1.33	2.01	52.4	10.6	8	10.90	5.7	3.61
K290600		1.51	0.49	8.00	14.9	1890	1.80	0.18	1.25	2.65	65.6	1.8	10	10.60	3.9	3.87
K290601		1.52	0.14	7.21	10.5	2430	1.52	0.10	2.31	0.61	43.5	2.9	9	15.00	2.7	2.94
K290602		1.69	0.12	6.82	18.3	1730	1.60	0.12	2.88	0.15	40.0	4.1	9	18.35	2.5	2.85
K290603		2.18	5.83	6.33	45.1	2660	1.51	0.10	4.36	22.5	46.9	3.0	6	18.45	15.7	5.65
K290604		0.27	4.39	6.83	639	400	1.29	3.33	2.10	10.55	46.9	11.9	23	12.50	321	5.02
K290605		1.30	0.29	7.45	16.9	1590	1.60	0.14	2.12	0.32	49.5	3.1	10	19.15	2.2	2.90
K290606		1.66	0.23	7.93	11.6	1530	1.75	0.22	1.83	0.78	72.6	10.5	9	15.85	1.2	2.83
K290607		1.68	0.17	7.61	11.0	1880	1.78	0.25	2.40	0.42	54.6	13.6	8	11.25	1.1	3.08
K290608		1.99	1.28	4.55	36.6	550	1.04	0.60	1.84	0.93	57.0	24.5	7	8.51	2.0	2.79
K290609		4.91	0.02	0.10	0.7	40	0.05	0.03	20.5	0.09	1.49	0.8	<1	0.23	2.1	0.51
K290610		2.44	0.75	6.82	28.3	2170	1.94	0.21	2.85	6.95	45.2	10.7	6	32.2	2.9	2.36
K290611		1.64	4.17	7.69	1165	2020	2.98	0.37	1.64	12.90	40.5	3.7	4	91.5	57.1	2.58
K290612		2.01	0.45	6.71	17.9	220	2.26	0.50	0.52	0.56	18.15	0.2	<1	46.9	1.2	0.52
K290613		<0.02	0.36	6.59	18.9	190	2.23	0.27	0.52	0.54	17.25	0.2	1	45.5	1.1	0.58
K290614		1.80	2.08	6.47	34.2	570	2.46	0.45	0.96	6.98	22.6	0.7	<1	41.2	4.7	0.75
K290615		1.95	0.23	6.66	11.6	360	2.31	0.12	0.90	0.16	17.90	0.1	1	33.6	0.8	0.60
K290616		2.36	0.27	6.88	13.6	480	2.38	0.14	1.01	0.15	18.90	0.1	<1	34.3	0.8	0.54

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

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114052

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K290581		15.60	0.07	1.2	0.472	3.50	24.4	5.7	0.26	418	1.00	0.04	7.5	2.3	490	446
K290582		13.50	0.05	1.0	0.736	2.56	22.2	18.2	0.69	1610	8.10	0.11	5.9	10.7	490	1165
K290583		11.70	0.05	1.0	0.339	2.51	21.3	18.1	0.17	120	1.23	0.03	6.4	1.7	300	429
K290584		8.26	0.07	0.7	0.256	1.53	22.2	28.0	0.12	569	2.31	0.02	3.7	2.6	440	468
K290585		7.83	<0.05	0.5	0.193	1.35	22.5	13.0	0.13	339	1.47	0.03	2.7	1.8	180	338
K290586		5.43	<0.05	0.4	0.111	0.99	9.0	10.5	0.08	504	0.57	0.02	1.7	1.9	110	69.7
K290587		10.10	<0.05	0.5	0.128	1.13	5.8	5.6	0.55	3850	5.09	0.08	2.8	3.5	220	189.0
K290588		5.98	<0.05	0.4	0.189	1.09	7.2	14.5	0.24	1680	1.59	0.03	2.2	2.0	130	52.3
K290589		0.22	0.10	<0.1	<0.005	0.03	0.5	1.4	11.90	217	0.09	<0.01	0.2	1.9	150	2.0
K290590		7.60	0.08	0.5	0.039	1.30	10.8	11.7	0.14	1080	1.05	0.02	3.1	1.4	190	14.2
K290591		13.50	0.09	1.6	0.158	2.07	14.6	14.0	0.31	1140	3.98	0.02	11.9	1.8	140	2340
K290592		17.10	0.08	2.5	0.030	2.31	7.2	30.2	0.13	597	1.15	0.05	19.4	0.5	30	50.1
K290593		14.80	0.07	1.6	0.052	2.55	11.4	33.1	0.34	1720	1.31	0.03	12.9	1.6	340	75.3
K290594		14.80	0.08	1.0	0.052	3.18	24.4	15.7	0.62	2650	1.25	0.07	6.2	2.5	520	340
K290595		14.75	0.08	1.0	0.049	3.26	23.1	14.7	0.65	2650	0.97	0.07	6.2	2.4	530	498
K290596		16.25	0.10	1.1	0.041	3.32	24.7	16.6	0.62	1740	0.49	0.27	6.1	2.2	580	719
K290597		16.70	0.10	1.1	0.034	3.50	24.5	18.5	0.78	2550	0.61	0.05	6.2	2.2	600	146.0
K290598		17.25	0.09	2.6	0.477	2.65	27.6	90.6	0.40	2770	6.12	0.04	7.6	9.6	590	4480
K290599		17.25	0.12	1.2	0.057	3.35	28.6	22.3	0.59	1840	0.52	0.04	7.3	3.6	630	77.3
K290600		17.50	0.12	1.2	0.054	3.53	36.6	23.5	0.51	2740	0.53	0.04	7.7	2.4	630	211
K290601		15.85	0.11	1.3	0.038	3.31	22.5	19.6	0.58	688	5.44	1.66	7.5	2.1	570	50.5
K290602		16.30	0.09	1.3	0.041	3.13	20.2	86.0	0.55	968	0.63	0.25	7.6	2.1	580	19.1
K290603		13.65	0.10	1.0	0.192	2.72	27.1	19.3	1.58	11100	0.74	0.04	6.0	1.9	450	501
K290604		15.25	0.10	1.0	0.297	3.02	26.2	26.0	0.78	1830	14.40	0.15	5.9	14.6	520	487
K290605		16.20	0.09	1.4	0.046	3.33	27.4	39.5	0.64	1220	1.03	0.07	7.8	2.0	580	57.6
K290606		16.80	0.10	1.3	0.055	3.17	41.1	34.1	0.64	1260	0.69	0.06	7.5	2.5	570	21.6
K290607		16.85	0.12	1.3	0.077	3.48	31.3	28.0	0.89	1910	0.53	0.06	7.4	2.4	560	14.4
K290608		10.60	0.10	0.7	0.102	2.06	34.3	17.9	0.68	1510	1.55	0.04	3.3	2.3	310	46.1
K290609		0.30	0.05	<0.1	<0.005	0.04	0.7	1.2	12.55	224	0.19	0.01	0.2	2.2	180	1.6
K290610		16.00	0.10	1.2	0.068	2.80	24.1	29.6	0.70	1320	0.42	0.04	7.3	1.7	560	176.0
K290611		18.05	0.09	2.1	0.079	2.37	21.7	40.2	0.52	860	7.94	0.04	12.9	1.6	410	626
K290612		19.00	0.09	3.1	0.031	2.26	8.0	30.8	0.22	440	2.61	0.04	24.1	0.3	40	114.0
K290613		18.60	0.11	3.0	0.025	2.20	7.8	31.1	0.22	450	2.71	0.04	24.3	0.3	30	111.5
K290614		17.65	0.10	3.0	0.046	2.15	10.3	34.0	0.25	695	17.75	0.04	23.5	0.7	70	660
K290615		18.70	0.10	3.0	0.053	2.33	7.9	26.0	0.29	596	0.95	0.03	26.7	0.4	30	91.8
K290616		20.2	0.11	3.3	0.066	2.31	8.2	34.3	0.33	690	0.59	0.03	28.6	<0.2	30	105.0

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

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Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114052

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K290581		226	<0.002	2.94	17.05	9.7	1	7.9	13.6	0.57	0.09	12.90	0.235	2.90	3.8	64
K290582		153.0	<0.002	4.14	59.2	8.5	2	6.9	88.5	0.48	1.14	10.80	0.187	2.35	4.7	55
K290583		165.5	<0.002	2.32	27.7	7.0	1	6.4	35.7	0.45	0.48	6.89	0.199	2.10	1.8	56
K290584		99.2	<0.002	0.90	62.9	4.9	1	4.5	48.6	0.26	3.65	5.77	0.103	1.30	2.7	52
K290585		87.5	<0.002	1.82	13.80	5.4	3	3.3	16.0	0.23	26.3	3.83	0.085	1.09	2.7	52
K290586		64.1	<0.002	1.65	6.81	2.1	1	1.2	12.9	0.15	6.29	3.04	0.048	0.74	1.3	30
K290587		72.7	<0.002	4.38	5.73	5.0	1	1.7	42.8	0.23	2.15	4.92	0.086	0.99	4.9	68
K290588		68.2	<0.002	0.71	19.35	3.1	1	1.0	61.9	0.18	1.21	4.44	0.061	0.89	5.1	48
K290589		2.4	<0.002	0.01	0.09	0.1	<1	<0.2	45.2	<0.05	<0.05	0.17	<0.005	0.02	1.1	2
K290590		79.8	<0.002	0.09	7.94	3.7	1	0.6	31.3	0.21	0.18	4.55	0.078	1.00	3.1	40
K290591		136.0	<0.002	0.45	20.0	4.3	1	2.1	72.8	1.08	0.07	13.05	0.086	1.87	7.3	30
K290592		149.5	<0.002	0.01	3.81	2.6	1	2.8	42.9	2.30	<0.05	20.3	0.030	1.91	4.1	1
K290593		109.0	<0.002	0.18	10.45	5.7	1	2.0	68.2	1.18	<0.05	10.00	0.146	2.23	6.1	41
K290594		183.0	<0.002	0.41	8.15	9.3	1	1.8	56.3	0.46	0.09	11.65	0.201	2.66	4.5	60
K290595		168.0	<0.002	0.35	7.46	9.4	1	1.6	58.3	0.46	0.10	11.00	0.206	2.69	3.9	61
K290596		148.5	<0.002	0.14	9.60	9.8	1	1.9	73.2	0.51	<0.05	10.50	0.216	2.52	2.4	66
K290597		162.0	<0.002	0.14	9.64	10.4	1	2.0	49.4	0.49	<0.05	11.90	0.215	2.98	3.9	67
K290598		128.5	<0.002	1.06	46.9	7.7	1	3.3	213	0.64	0.10	10.70	0.237	2.46	6.9	54
K290599		172.5	<0.002	0.27	15.85	10.8	1	2.3	53.4	0.56	0.05	13.15	0.241	2.78	4.3	72
K290600		164.5	<0.002	0.09	13.75	11.0	1	2.3	41.4	0.60	<0.05	12.65	0.266	2.76	4.1	72
K290601		116.5	0.002	0.02	3.97	9.3	1	1.8	284	0.59	<0.05	11.30	0.250	1.72	3.0	66
K290602		93.2	<0.002	0.11	8.08	8.7	1	1.9	198.5	0.62	<0.05	9.52	0.251	2.03	4.0	67
K290603		142.0	<0.002	0.75	13.10	8.2	1	2.7	103.5	0.49	<0.05	10.80	0.196	2.81	3.7	50
K290604		156.5	0.003	2.81	27.6	9.1	1	5.7	108.5	0.48	0.36	10.40	0.207	2.61	4.9	65
K290605		122.5	<0.002	0.23	7.77	10.1	1	2.4	127.5	0.64	<0.05	12.15	0.258	2.76	4.8	68
K290606		133.5	<0.002	0.33	8.52	10.2	1	2.2	93.0	0.65	0.07	14.20	0.251	2.65	5.7	70
K290607		156.5	<0.002	0.41	4.29	10.8	1	2.4	68.6	0.64	<0.05	13.80	0.241	2.92	6.0	74
K290608		109.5	<0.002	1.14	9.85	4.8	1	1.9	45.3	0.30	0.56	7.58	0.117	1.73	2.5	50
K290609		1.8	<0.002	<0.01	0.06	0.2	<1	<0.2	50.7	<0.05	<0.05	0.13	<0.005	0.02	0.6	2
K290610		106.0	<0.002	0.28	7.71	8.8	1	2.3	88.7	0.61	<0.05	11.30	0.234	2.48	5.5	63
K290611		143.0	<0.002	0.72	46.7	7.6	1	3.2	109.5	1.35	<0.05	16.20	0.185	2.35	9.6	56
K290612		156.0	<0.002	0.06	9.59	3.0	1	3.2	55.4	2.55	<0.05	23.3	0.036	1.97	15.2	1
K290613		153.0	<0.002	0.06	9.64	2.9	1	3.1	53.8	2.48	<0.05	22.9	0.035	1.88	15.2	1
K290614		148.5	0.002	0.23	31.4	3.3	<1	3.2	97.7	2.25	<0.05	21.5	0.051	2.05	26.2	7
K290615		161.0	<0.002	0.06	5.16	3.1	1	3.1	62.8	2.45	<0.05	23.0	0.033	1.89	17.1	<1
K290616		156.5	<0.002	0.07	5.10	3.3	1	3.3	72.6	2.67	<0.05	24.4	0.034	1.85	20.1	1

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Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114052

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K290581		9.5	7.6	352	34.6	0.063
K290582		5.0	10.7	2150	28.6	0.871
K290583		8.5	5.0	114	27.6	0.184
K290584		3.9	4.1	364	20.2	0.630
K290585		2.8	2.8	172	13.2	0.586
K290586		1.5	2.0	98	9.0	0.240
K290587		3.1	8.3	205	16.8	0.110
K290588		1.9	7.8	140	11.7	0.028
K290589		<0.1	0.7	18	<0.5	<0.005
K290590		1.3	6.6	125	13.9	0.017
K290591		2.0	13.0	2250	37.4	0.088
K290592		0.9	11.6	142	43.6	<0.005
K290593		8.8	11.2	277	36.1	<0.005
K290594		2.1	12.9	442	29.6	0.009
K290595		2.0	12.7	355	28.7	0.007
K290596		2.6	12.1	262	31.1	0.008
K290597		2.3	12.0	326	32.0	<0.005
K290598		4.4	13.4	3320	87.1	0.376
K290599		2.4	14.9	238	34.4	0.011
K290600		2.5	12.6	253	33.0	<0.005
K290601		2.1	13.6	76	36.2	<0.005
K290602		3.3	12.6	62	37.0	<0.005
K290603		3.7	12.6	1820	29.4	0.078
K290604		5.7	11.4	872	31.1	0.380
K290605		3.4	13.5	74	38.0	<0.005
K290606		4.2	12.4	104	36.9	<0.005
K290607		4.5	15.6	74	38.0	<0.005
K290608		5.2	9.2	95	18.6	0.211
K290609		0.1	0.9	18	<0.5	<0.005
K290610		5.5	13.3	436	35.9	0.010
K290611		4.2	15.0	857	47.1	0.198
K290612		1.6	12.2	90	58.2	0.006
K290613		1.5	11.9	86	57.6	0.006
K290614		2.0	16.7	536	57.6	0.030
K290615		1.4	14.6	86	58.7	<0.005
K290616		1.5	16.5	90	61.5	<0.005

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

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

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

Project: Klaza

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114052

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-AA24	ME-MS61

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CERTIFICATE TR16114053

Project: Klaza

P.O. No.: Batch 32

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

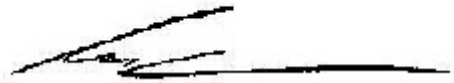
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114053

Sample Description	Method	WEI-21	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047029		1.45		1.630	16.95	6.26	>10000	400	1.43	23.0	0.43	44.3	33.5	6.2	11	9.65
S047030		1.18			0.15	7.18	23.0	1960	1.53	0.30	2.37	0.27	47.9	7.4	9	11.65
S047031		1.10			1.78	7.23	68.2	1100	1.54	3.73	1.23	5.00	48.3	7.9	9	12.20
S047032		1.35			0.19	7.17	15.4	1470	1.71	0.28	2.68	2.14	44.8	6.2	10	16.10
S047033		1.44			0.25	7.81	18.0	1150	1.23	0.36	5.64	1.56	28.9	10.1	21	7.86
S047034		1.45			0.11	7.53	76.4	1200	1.28	0.19	5.48	128.0	24.0	8.3	19	6.02
S047035		1.03			23.7	6.84	2850	450	2.23	2.53	1.16	130.0	26.0	14.1	16	18.50
S047036		6.01			0.01	0.06	0.2	30	0.08	0.03	18.80	0.39	1.05	0.7	1	0.11
S047037		2.27			2.11	8.18	275	1060	1.61	0.13	2.70	49.2	29.5	15.7	21	11.45
S047038		1.67			0.14	7.85	53.3	1070	1.36	0.08	3.91	2.64	32.9	17.3	20	13.30
S047039		1.69			0.14	7.77	15.3	1080	1.21	0.10	3.29	3.09	28.4	16.6	22	13.65
S047040		0.28			11.75	6.25	1325	810	1.41	11.75	1.78	32.4	45.9	17.9	18	13.20
S047041		1.61			1.00	7.70	511	530	1.11	0.98	4.64	1.58	35.8	4.9	22	7.04
S047042		1.24			1.39	6.88	192.0	620	0.93	2.15	6.66	5.05	26.6	4.3	16	7.05
S047043		1.87			3.55	7.17	392	1320	1.05	2.29	4.80	8.37	23.1	5.0	17	7.55
S047044		1.82			0.51	8.15	12.9	490	1.22	0.44	6.28	1.50	44.6	3.2	22	4.84
S047045		<0.02			0.42	8.11	10.1	480	1.19	0.43	6.31	1.22	44.2	3.3	22	4.72
S047046		2.95			0.42	7.78	8.8	560	1.08	0.44	5.90	0.61	32.6	2.8	22	5.92
S047047		2.23			0.21	7.37	7.8	810	1.19	0.39	5.64	0.21	32.3	3.0	21	6.03
S047048		3.38			2.53	7.84	41.2	1150	1.15	1.65	4.02	9.84	27.2	4.9	22	8.18
S047049		0.28			4.13	6.32	628	690	1.20	3.12	1.94	10.30	45.8	11.8	24	12.55
S047050		2.57			0.19	8.06	7.3	790	1.18	0.17	5.54	0.36	36.4	9.3	22	5.02
S047051		2.50			0.08	7.30	5.7	1010	1.17	0.11	4.26	0.22	32.9	11.6	15	4.80
S047052		1.65			0.15	7.40	6.8	710	1.35	0.27	4.60	0.18	31.9	8.6	14	6.14
S047053		1.45			0.05	7.31	6.7	560	1.17	0.10	4.69	0.10	31.5	6.4	15	6.26
S047054		1.36			0.16	7.46	12.5	510	1.26	0.25	5.14	0.25	31.0	7.6	15	7.97
S047055		1.37	1.375		16.05	6.61	3480	410	0.99	1.36	2.99	174.5	34.6	12.6	12	17.70
S047056		5.95			0.02	0.05	2.9	20	0.05	0.02	18.60	0.21	1.03	0.7	1	0.17
S047057		1.45			1.20	6.84	226	560	1.07	0.11	4.40	3.87	35.4	12.4	12	14.90
S047058		1.58			0.38	7.44	23.6	1160	1.25	0.45	4.37	0.40	34.1	13.3	14	8.91
S047059		0.46			0.55	7.63	48.7	1110	1.47	0.58	4.34	1.06	38.3	13.8	14	9.43
S047060		1.46			0.46	7.24	182.5	820	1.28	0.38	4.44	3.20	31.4	13.7	14	11.60
S047061		2.07			0.06	7.39	5.6	1290	1.22	0.09	4.09	0.28	37.1	15.9	25	6.89
S047062		1.11			0.13	9.06	10.6	1510	1.47	0.21	2.99	0.39	41.7	19.3	30	10.65
S047063		2.10			0.24	9.12	13.6	1130	1.52	0.38	1.25	2.27	44.7	20.9	30	9.21
S047064		2.13			0.91	7.65	181.0	700	1.56	6.66	1.69	6.80	42.9	20.4	25	7.39

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Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114053

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047029		182.0	8.59	22.4	0.10	0.7	1.675	2.80	15.4	8.5	0.36	445	2.86	0.13	6.0	5.6
S047030		14.0	2.86	16.50	0.08	0.9	0.054	2.25	24.5	17.7	0.74	699	2.68	1.58	8.2	3.9
S047031		17.4	4.92	16.70	0.09	0.9	0.262	2.47	25.0	21.3	0.92	1580	2.00	0.17	7.7	2.6
S047032		7.5	3.66	16.85	0.06	0.9	0.083	2.03	21.8	16.3	0.80	1240	2.87	1.45	8.1	2.4
S047033		10.9	3.56	20.2	0.08	0.7	0.075	0.69	11.6	12.3	1.78	830	0.47	2.44	6.1	5.4
S047034		154.5	2.12	21.4	0.09	0.7	0.106	0.51	7.7	53.5	1.33	2690	0.34	1.84	5.5	4.2
S047035		2730	5.74	17.95	0.11	0.5	0.834	2.63	10.6	10.8	0.36	1920	4.72	0.05	3.6	2.6
S047036		3.2	0.42	0.22	<0.05	<0.1	<0.005	0.02	0.5	1.1	11.65	189	0.07	0.01	0.2	1.2
S047037		844	6.06	20.4	0.10	0.7	0.100	1.31	12.3	26.2	1.17	1070	1.39	1.57	5.9	6.4
S047038		24.2	4.90	21.0	0.09	1.0	0.060	1.27	13.8	20.1	1.47	872	1.67	1.74	6.6	5.6
S047039		30.9	4.89	20.3	0.07	0.8	0.062	1.21	11.6	21.6	1.60	803	1.19	1.97	5.8	5.4
S047040		276	6.12	15.60	0.14	1.1	0.763	2.73	24.5	19.8	0.73	1690	9.08	0.12	6.5	11.8
S047041		42.4	2.55	20.8	0.11	0.9	0.240	1.15	10.1	19.3	1.55	842	0.14	1.37	6.8	1.6
S047042		26.4	1.94	17.75	0.09	0.8	0.268	1.80	8.2	26.9	0.96	1400	1.01	0.32	6.0	0.7
S047043		37.0	2.71	19.45	0.10	0.8	0.228	2.80	7.0	12.8	1.02	1150	0.24	0.30	6.7	1.1
S047044		30.8	3.30	21.3	0.09	1.0	0.320	0.52	14.0	14.5	2.12	1530	0.20	1.92	7.0	1.5
S047045		31.2	2.90	20.6	0.08	1.0	0.308	0.47	14.3	13.7	2.07	1300	0.17	1.99	6.9	1.7
S047046		8.2	2.06	20.7	0.06	0.8	0.155	0.60	9.9	14.0	1.93	791	0.12	1.90	6.7	1.9
S047047		1.1	2.20	21.2	0.09	0.9	0.164	1.49	8.6	12.8	1.91	1160	0.09	1.16	7.0	1.9
S047048		9.3	2.99	19.90	0.11	0.7	0.356	3.12	8.9	11.9	1.10	1600	0.13	0.10	6.3	1.2
S047049		301	4.63	14.85	0.11	1.0	0.289	2.78	25.9	25.4	0.73	1760	14.45	0.14	6.0	13.5
S047050		11.5	3.50	21.1	0.08	0.7	0.197	0.76	14.4	12.7	1.90	925	1.17	2.47	6.4	3.3
S047051		7.6	3.71	20.3	0.08	0.6	0.068	1.27	14.2	14.0	1.59	770	1.90	2.53	6.9	3.3
S047052		5.7	3.10	20.1	0.08	0.6	0.088	0.92	13.0	13.8	1.64	724	1.26	2.87	6.5	3.1
S047053		3.5	2.83	18.80	0.08	0.6	0.101	0.70	12.9	13.1	1.69	725	0.88	2.84	6.2	3.0
S047054		8.1	3.02	20.4	0.07	0.8	0.130	0.85	12.1	10.8	1.56	929	0.94	2.38	6.5	2.9
S047055		101.5	6.02	19.25	0.12	0.5	1.885	2.65	16.0	10.2	1.32	1670	1.58	0.04	5.4	3.0
S047056		1.2	0.41	0.20	<0.05	<0.1	0.005	0.02	0.5	1.1	11.70	184	0.07	0.01	0.1	1.1
S047057		20.2	4.16	18.15	0.08	0.6	0.122	1.96	16.5	14.6	1.54	1440	1.92	0.70	5.8	2.6
S047058		14.3	4.44	19.70	0.08	0.6	0.064	1.51	14.9	9.3	1.55	1100	2.02	2.15	6.7	3.3
S047059		21.5	4.56	19.85	0.10	0.6	0.076	1.56	17.5	11.1	1.54	1290	2.05	1.88	6.6	3.1
S047060		12.3	4.08	20.1	0.08	0.6	0.120	1.43	13.1	11.5	1.47	926	1.82	1.96	6.5	3.1
S047061		11.5	4.38	19.25	0.08	0.6	0.054	1.53	16.5	11.8	1.84	865	1.96	2.56	7.0	5.5
S047062		17.9	5.06	25.4	0.11	0.8	0.078	1.74	18.1	35.4	1.46	842	2.25	1.47	9.0	6.1
S047063		40.0	5.05	23.1	0.09	0.7	0.120	1.08	20.8	46.0	0.68	1180	1.67	0.09	8.2	5.8
S047064		59.4	5.63	19.30	0.08	0.6	0.309	1.30	21.1	34.8	0.86	1520	9.13	0.07	6.7	6.9

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CERTIFICATE OF ANALYSIS TR16114053

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047029		500	3150	206	<0.002	7.91	47.3	9.1	1	19.3	33.5	0.45	0.40	9.03	0.190	2.42
S047030		610	32.2	99.3	<0.002	0.11	3.63	10.8	1	2.3	309	0.62	<0.05	10.80	0.261	1.24
S047031		630	89.4	152.5	<0.002	1.02	6.80	11.6	1	4.1	72.8	0.60	0.62	11.00	0.255	2.04
S047032		620	45.7	85.8	<0.002	0.13	4.48	10.7	<1	2.3	293	0.60	0.14	9.48	0.262	1.46
S047033		1110	54.0	14.8	<0.002	0.69	2.97	19.0	1	2.8	725	0.38	0.09	3.45	0.473	0.52
S047034		1170	13.2	8.2	<0.002	0.49	16.45	17.7	1	1.7	548	0.35	0.06	2.72	0.432	0.51
S047035		880	5070	144.5	<0.002	2.08	117.0	16.7	1	7.6	310	0.22	0.10	3.37	0.292	3.07
S047036		160	2.1	0.9	<0.002	<0.01	0.12	0.2	<1	0.2	47.5	<0.05	<0.05	0.07	<0.005	0.02
S047037		1150	26.2	35.5	<0.002	0.37	9.81	18.4	1	1.0	453	0.37	<0.05	3.44	0.478	0.85
S047038		1110	16.6	29.2	<0.002	0.20	5.80	19.5	1	1.4	519	0.41	<0.05	3.72	0.506	0.49
S047039		1120	14.8	25.0	<0.002	0.17	5.10	18.7	1	1.2	560	0.38	<0.05	3.39	0.475	0.60
S047040		500	1215	165.5	<0.002	4.35	66.9	9.2	1	8.4	94.1	0.54	1.44	11.05	0.196	2.41
S047041		490	233	33.7	<0.002	0.76	26.0	19.0	1	4.5	409	0.39	0.29	3.76	0.501	1.24
S047042		90	155.0	67.5	<0.002	0.98	35.9	12.5	<1	6.4	183.0	0.37	0.31	3.38	0.451	1.73
S047043		40	600	101.5	<0.002	1.24	31.9	11.7	1	6.6	187.0	0.40	0.90	4.10	0.465	2.56
S047044		450	111.0	11.2	<0.002	0.27	13.00	20.7	1	3.9	593	0.43	0.16	4.08	0.524	0.57
S047045		450	92.0	10.6	<0.002	0.25	11.95	20.5	<1	3.8	608	0.43	0.20	4.23	0.516	0.50
S047046		150	125.5	14.7	<0.002	0.37	4.46	21.9	1	3.3	590	0.37	0.21	2.28	0.492	0.56
S047047		50	18.3	33.0	<0.002	0.33	3.93	19.4	1	3.4	432	0.43	0.18	3.48	0.506	1.59
S047048		50	756	147.5	<0.002	1.33	6.32	13.7	1	7.3	126.5	0.37	0.60	4.05	0.475	2.74
S047049		490	439	151.5	0.002	2.51	27.7	8.4	1	5.3	102.5	0.51	0.21	10.45	0.189	2.26
S047050		800	31.8	15.2	<0.002	0.10	3.70	18.0	1	2.5	718	0.42	0.07	3.87	0.488	0.28
S047051		920	15.5	26.9	<0.002	0.08	2.07	14.1	1	1.9	647	0.45	<0.05	4.17	0.430	0.40
S047052		900	14.3	20.4	<0.002	0.35	2.41	14.4	1	2.6	671	0.43	0.05	4.00	0.425	0.39
S047053		950	9.7	17.3	<0.002	0.09	2.43	14.0	1	2.8	637	0.43	<0.05	4.27	0.421	0.40
S047054		1000	28.9	20.2	<0.002	0.22	5.78	16.0	1	4.1	576	0.42	<0.05	3.63	0.458	0.59
S047055		740	5280	138.0	<0.002	4.12	67.5	13.7	1	6.2	139.5	0.36	0.05	4.20	0.369	3.14
S047056		170	6.1	1.0	<0.002	0.01	0.12	0.2	<1	<0.2	48.0	<0.05	<0.05	0.06	<0.005	0.02
S047057		840	370	73.1	<0.002	0.89	29.7	13.7	<1	1.9	332	0.41	<0.05	4.03	0.396	2.17
S047058		940	31.0	34.6	<0.002	0.30	5.50	15.0	1	1.6	613	0.45	<0.05	4.21	0.449	0.63
S047059		910	42.2	52.2	<0.002	0.40	6.99	15.9	1	2.2	562	0.45	<0.05	4.81	0.439	0.81
S047060		920	84.7	34.1	<0.002	0.32	7.67	15.7	<1	2.1	552	0.44	<0.05	3.51	0.456	1.00
S047061		960	14.5	34.1	<0.002	0.02	2.62	16.1	1	1.2	701	0.45	<0.05	4.24	0.440	0.42
S047062		1220	23.3	30.7	<0.002	0.20	8.68	19.9	1	1.8	485	0.58	<0.05	4.99	0.553	0.56
S047063		1150	30.9	21.3	<0.002	0.19	35.3	19.7	<1	1.7	123.5	0.53	<0.05	5.40	0.518	0.38
S047064		960	169.5	47.7	<0.002	1.37	74.9	17.0	1	2.7	93.6	0.43	0.12	5.46	0.416	1.13

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114053

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047029		2.8	54	13.4	9.0	3410	17.2	2.65
S047030		3.1	70	2.6	15.6	56	24.3	<0.005
S047031		4.0	73	4.6	13.2	477	21.4	0.079
S047032		3.0	73	3.1	14.9	212	22.3	0.016
S047033		0.8	174	0.6	17.2	155	18.2	0.010
S047034		1.2	163	0.9	21.0	5980	16.6	<0.005
S047035		8.4	111	6.6	11.6	6920	11.7	0.833
S047036		0.5	2	0.1	0.8	29	<0.5	<0.005
S047037		1.6	178	2.1	16.0	4800	19.9	0.009
S047038		0.8	172	2.3	15.1	759	24.5	0.009
S047039		0.7	177	3.0	11.5	444	20.0	<0.005
S047040		5.0	58	5.7	11.1	2290	28.7	0.938
S047041		0.8	113	2.6	19.0	210	22.7	0.217
S047042		1.0	88	5.2	21.7	491	17.6	0.060
S047043		0.8	86	2.8	16.8	724	16.6	0.200
S047044		0.9	114	1.8	24.7	191	24.8	0.017
S047045		0.9	112	1.3	25.5	168	24.5	0.012
S047046		0.5	101	0.7	19.2	117	22.1	0.006
S047047		0.6	116	0.8	20.7	73	23.4	<0.005
S047048		1.1	82	4.8	13.9	851	16.3	0.023
S047049		4.8	60	5.1	10.9	817	27.9	0.385
S047050		0.8	145	0.9	18.8	88	17.2	0.007
S047051		1.3	137	0.6	16.0	80	14.8	<0.005
S047052		1.2	138	0.6	15.8	62	13.8	<0.005
S047053		1.1	136	0.7	15.8	45	14.6	<0.005
S047054		1.0	149	1.1	16.8	68	19.1	<0.005
S047055		1.4	119	7.8	14.2	>10000	12.6	0.790
S047056		0.7	2	0.1	0.7	27	<0.5	<0.005
S047057		1.4	131	4.0	15.9	357	14.0	0.044
S047058		1.4	145	1.6	16.2	101	16.1	0.011
S047059		1.7	143	3.3	17.4	175	15.8	0.022
S047060		1.2	151	3.1	16.2	306	15.7	0.032
S047061		1.3	145	0.5	16.2	88	16.4	<0.005
S047062		1.6	178	3.9	18.2	109	20.6	<0.005
S047063		2.7	163	14.0	18.9	249	18.7	<0.005
S047064		16.9	153	18.6	16.7	554	16.2	0.034

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

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

Project: Klaza

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114053

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

As-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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Finalized Date: 7-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114055

Project: Klaza

P.O. No.: Batch 33

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

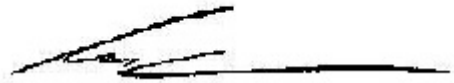
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114055

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
S047065		1.40			0.42	7.89	63.7	1280	1.34	0.33	4.91	2.60	40.1	16.2	27	11.85
S047066		1.25			1.17	7.93	111.5	1380	1.26	1.74	4.47	3.17	39.8	19.1	27	8.39
S047067		1.29			0.11	7.75	5.5	1360	1.35	0.23	4.57	0.16	39.2	17.2	28	6.95
S047068		1.60		1.910	31.5	5.74	1510	1710	1.11	8.99	3.19	278	28.4	41.6	18	12.55
S047069		6.06			0.04	0.05	0.7	20	0.06	0.07	21.7	0.22	1.07	0.7	1	0.13
S047070		2.32			0.16	7.88	10.3	1250	1.18	0.12	5.09	0.46	39.7	15.2	26	8.92
S047071		1.48			0.14	7.44	4.3	1210	1.13	0.15	5.50	0.19	44.6	22.6	210	7.34
S047072		0.29			4.38	6.69	667	1240	1.42	3.29	2.06	10.05	49.9	12.9	26	13.50
S047073		6.00			0.93	7.96	10.1	1520	1.32	0.14	4.44	5.44	39.9	16.7	28	7.50
S047074		3.10			0.21	7.60	8.5	1400	1.48	1.08	3.38	0.96	34.0	16.6	26	10.65
S047075		1.23			23.5	6.31	2990	710	1.27	13.25	5.01	49.0	35.0	23.7	20	19.90
S047076		1.46			0.09	7.56	8.4	1300	1.21	0.11	4.57	0.17	39.0	15.2	24	11.05
S047077		1.03			0.16	7.40	10.2	1430	1.33	0.20	3.95	0.20	37.7	16.2	26	6.39
S047078		1.45			0.09	6.93	6.0	1590	1.85	0.15	2.95	0.12	41.5	6.1	18	10.90
S047079		1.43			0.09	7.68	7.5	1670	1.42	0.10	4.30	0.32	39.0	18.4	26	9.46
S047080		1.44			0.09	7.29	16.6	1350	1.52	0.10	3.85	0.60	33.7	17.9	26	14.90
S047081		2.30			2.42	7.00	985	790	1.24	1.26	5.14	16.15	39.4	15.3	32	17.65
S047082		5.93			0.03	0.06	1.9	30	0.07	0.04	21.3	0.10	1.20	0.7	<1	0.20
S047083		2.08			0.22	6.80	22.4	1000	1.49	0.09	6.63	0.95	37.8	18.7	117	23.1
S047084		1.55			0.12	7.81	7.2	1280	1.41	0.06	4.79	0.21	38.7	24.1	251	9.31
S047085		4.00			0.19	7.57	37.6	1420	1.36	0.09	4.38	0.54	36.1	16.8	25	11.65
S047086		1.05			3.24	6.53	644	1310	1.68	2.69	3.81	23.9	36.8	15.9	22	26.6
S047087		1.12			0.09	7.31	23.8	3770	1.65	0.20	1.52	0.13	75.0	6.1	18	19.00
S047088		0.29			11.40	6.51	1470	1190	1.56	11.85	1.91	31.2	47.2	18.4	19	13.90
S047089		1.45			0.17	7.29	19.2	840	1.78	0.10	2.55	0.23	51.4	7.9	19	18.30
S047090		1.37	1.290		70.0	6.38	837	2080	1.60	12.65	2.28	104.5	25.2	13.7	80	19.30
S047091		1.28			1.06	8.03	63.9	1190	1.69	0.20	4.35	8.30	39.6	16.9	45	18.30
S047092		1.61			1.25	7.44	210	1060	1.54	0.17	4.30	6.24	36.1	17.4	68	29.5
S047093		0.73			2.27	7.18	296	710	1.55	0.28	4.04	23.0	38.4	18.9	98	30.4
S047094		1.57			0.43	7.66	19.3	1380	1.19	0.15	5.55	1.54	40.1	24.5	208	10.50
S047095		1.65			0.11	7.70	11.6	1390	1.18	0.05	4.51	0.16	35.4	16.2	24	10.55
S047096		1.61			0.49	7.42	10.8	1340	1.27	0.07	4.08	0.14	32.1	15.5	23	9.33
S047097		<0.02			0.15	7.21	9.6	1270	1.18	0.06	3.87	0.14	31.9	14.4	21	9.09
S047098		1.26			0.18	7.33	26.0	460	1.26	0.06	3.43	0.13	39.1	12.6	21	22.4
S047099		1.72			3.97	5.73	797	710	1.46	1.39	3.33	35.4	30.9	15.9	29	24.3
S047100		2.20			1.41	7.36	81.9	880	1.43	0.68	3.91	18.40	37.3	14.7	22	25.3

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

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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047065		19.4	4.92	19.00	0.09	0.6	0.122	1.58	18.6	9.3	1.66	1230	2.46	2.24	6.6	10.4
S047066		27.8	5.28	19.45	0.08	0.7	0.130	1.75	18.0	9.3	2.05	1060	2.24	2.41	7.3	6.3
S047067		28.7	4.73	19.40	0.10	0.8	0.075	1.63	17.3	10.3	1.88	938	2.02	2.46	7.5	5.6
S047068		207	8.29	15.10	0.09	0.5	1.200	2.45	13.2	14.1	1.44	1460	3.44	0.04	4.6	5.0
S047069		4.1	0.51	0.15	0.06	<0.1	0.007	0.02	0.5	0.8	13.15	231	0.06	0.01	0.1	1.3
S047070		14.9	4.58	18.75	0.08	0.7	0.051	1.68	18.1	9.8	1.84	1080	1.78	2.30	6.8	5.6
S047071		57.9	4.81	17.10	0.09	1.0	0.068	1.40	21.1	11.9	3.31	1080	1.88	2.23	6.5	79.2
S047072		305	5.00	15.10	0.10	1.1	0.297	2.89	26.9	24.4	0.79	1850	13.35	0.15	6.2	14.1
S047073		27.0	4.80	19.55	0.10	0.7	0.209	1.59	17.7	13.0	2.11	990	1.97	2.63	7.3	5.9
S047074		16.3	5.04	18.80	0.09	0.7	0.079	1.62	14.8	19.6	1.88	727	1.74	1.97	7.3	5.1
S047075		298	8.30	15.35	0.08	0.5	0.770	1.88	17.3	23.5	1.90	1680	2.85	0.58	5.2	5.1
S047076		15.4	4.88	18.35	0.09	0.7	0.049	1.59	17.6	19.6	1.84	1180	1.66	1.89	7.0	5.0
S047077		15.1	4.34	18.85	0.10	0.8	0.066	2.00	16.7	13.2	1.78	757	2.00	2.60	7.5	5.1
S047078		17.3	2.52	17.00	0.11	1.3	0.032	3.20	19.7	18.4	0.87	842	1.93	2.45	9.8	4.0
S047079		19.4	4.80	19.75	0.10	0.6	0.056	1.73	17.1	13.4	1.88	792	2.01	2.69	7.7	5.6
S047080		17.5	4.92	19.70	0.09	0.6	0.052	1.56	14.5	22.8	1.59	680	1.84	2.32	7.7	5.9
S047081		29.2	4.90	16.50	0.11	0.5	0.204	1.88	19.2	29.5	2.03	1280	1.86	0.14	5.7	8.4
S047082		2.0	0.47	0.20	0.08	<0.1	<0.005	0.02	0.5	1.0	13.00	195	0.08	0.01	0.2	1.3
S047083		47.1	4.84	14.30	0.09	0.6	0.052	1.29	17.7	29.3	2.78	1110	1.48	0.65	5.6	29.8
S047084		74.3	5.91	17.30	0.09	0.9	0.063	1.55	18.0	20.6	3.23	875	1.79	1.92	7.1	86.9
S047085		14.5	4.58	19.10	0.10	0.5	0.053	1.70	15.9	31.2	1.70	995	1.80	2.20	7.3	5.8
S047086		48.0	5.60	15.40	0.09	0.5	0.591	2.81	17.2	11.1	1.68	2730	3.16	0.04	5.7	5.2
S047087		7.9	2.54	18.20	0.11	4.3	0.027	2.10	38.6	64.8	0.86	521	2.51	0.04	10.7	5.5
S047088		275	6.53	14.90	0.11	1.1	0.788	2.84	24.4	19.6	0.77	1780	8.35	0.12	7.0	11.8
S047089		6.3	2.84	18.40	0.10	3.4	0.034	2.59	24.6	35.4	1.11	693	2.88	0.51	11.2	6.8
S047090		1710	11.30	15.25	0.09	0.6	1.240	2.70	11.3	29.4	1.41	2550	9.47	0.09	4.9	22.6
S047091		50.2	5.57	18.35	0.10	0.7	0.336	1.87	18.7	46.4	1.73	1700	1.93	1.63	6.4	11.7
S047092		41.5	5.02	17.35	0.10	0.5	0.167	2.62	17.0	45.7	2.23	2530	1.87	0.49	6.1	22.6
S047093		75.1	5.31	16.40	0.10	0.6	0.546	2.46	18.3	55.2	2.23	2500	1.85	0.44	5.9	33.0
S047094		58.2	5.10	17.40	0.09	0.8	0.142	1.51	19.1	15.7	3.41	1360	1.77	2.23	6.8	82.4
S047095		11.3	4.77	18.80	0.10	0.4	0.053	1.40	15.9	12.8	1.90	978	1.73	2.57	6.4	4.8
S047096		41.3	4.54	18.70	0.10	0.4	0.052	1.65	14.4	31.6	1.64	886	1.92	2.28	6.9	4.5
S047097		36.7	4.34	17.80	0.09	0.4	0.046	1.59	14.3	29.5	1.57	848	1.81	2.18	6.4	4.2
S047098		16.2	3.65	17.50	0.11	0.4	0.045	1.40	18.8	290	1.49	1000	1.21	0.04	6.2	4.2
S047099		50.2	5.16	13.85	0.09	0.4	0.609	1.90	15.0	73.9	1.48	2040	2.50	0.05	4.7	8.3
S047100		23.4	4.44	17.10	0.10	0.4	0.359	2.32	17.5	50.2	1.85	1700	1.65	0.10	6.1	5.5

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

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

Finalized Date: 7-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047065		1010	192.0	45.2	0.002	0.27	9.89	17.8	1	1.5	669	0.40	<0.05	5.18	0.440	0.63
S047066		1040	253	42.3	<0.002	0.66	4.00	17.8	1	2.0	695	0.44	0.25	4.91	0.461	0.65
S047067		1050	13.8	33.9	<0.002	0.12	7.48	17.7	1	1.2	707	0.44	0.06	4.79	0.467	0.50
S047068		700	9180	137.0	<0.002	8.07	176.0	13.2	1	6.0	142.0	0.29	0.69	3.99	0.304	2.46
S047069		170	7.3	0.9	<0.002	0.01	0.29	0.2	<1	<0.2	49.2	<0.05	<0.05	0.05	<0.005	<0.02
S047070		1020	27.2	44.6	<0.002	0.12	9.32	17.5	1	1.1	722	0.41	<0.05	5.00	0.453	0.62
S047071		1030	14.6	51.2	<0.002	0.14	5.83	22.2	1	1.4	732	0.40	<0.05	6.13	0.446	0.50
S047072		540	479	162.5	0.003	2.66	28.2	9.1	1	5.2	108.5	0.49	0.31	12.20	0.204	2.35
S047073		1080	507	40.1	<0.002	0.34	2.29	18.6	1	1.9	740	0.44	<0.05	5.08	0.467	0.55
S047074		1020	54.7	35.1	<0.002	0.21	3.77	17.5	1	1.4	615	0.41	0.67	4.34	0.455	0.52
S047075		790	3660	89.3	<0.002	6.30	61.0	14.2	1	4.3	401	0.32	0.83	4.21	0.349	1.57
S047076		1010	16.7	38.7	<0.002	0.04	4.79	17.0	1	1.2	652	0.42	<0.05	5.06	0.440	0.46
S047077		980	19.4	50.0	<0.002	0.29	1.53	16.1	1	1.8	665	0.46	0.05	6.26	0.428	0.57
S047078		460	14.9	101.0	<0.002	0.30	1.65	5.6	1	1.1	430	0.84	<0.05	16.20	0.201	1.11
S047079		1050	14.8	38.1	<0.002	0.14	2.25	17.9	1	1.2	768	0.44	<0.05	4.85	0.460	0.50
S047080		1030	14.7	31.5	<0.002	0.24	4.99	17.1	1	1.2	677	0.45	<0.05	4.53	0.457	0.59
S047081		880	368	81.8	<0.002	2.40	28.8	14.7	1	2.5	303	0.36	0.26	4.66	0.379	1.62
S047082		210	6.0	1.0	<0.002	<0.01	0.17	0.2	<1	<0.2	49.5	<0.05	<0.05	0.07	<0.005	<0.02
S047083		910	21.9	53.6	<0.002	0.24	17.35	17.5	1	1.0	520	0.34	<0.05	5.17	0.394	0.59
S047084		1090	14.0	41.0	<0.002	0.04	3.72	21.8	1	1.1	690	0.44	<0.05	6.26	0.470	0.49
S047085		1040	46.3	40.8	<0.002	0.12	4.94	17.5	1	1.2	699	0.42	<0.05	4.33	0.460	0.67
S047086		800	845	153.0	<0.002	2.99	21.8	14.9	1	2.1	176.5	0.34	<0.05	4.84	0.353	2.30
S047087		1180	17.0	85.9	<0.002	0.22	31.4	5.7	<1	1.5	575	0.62	<0.05	10.50	0.315	1.08
S047088		550	1280	167.0	<0.002	4.60	62.7	9.2	1	7.3	96.6	0.51	1.13	12.10	0.209	2.49
S047089		1110	23.2	84.0	<0.002	0.15	17.30	7.3	<1	1.2	321	0.73	<0.05	8.76	0.310	1.56
S047090		800	>10000	124.5	<0.002	8.95	195.5	14.8	1	5.6	137.0	0.30	0.13	4.17	0.333	2.35
S047091		1020	274	59.9	<0.002	0.42	8.51	18.4	1	1.2	691	0.40	<0.05	5.32	0.444	0.93
S047092		960	283	96.0	<0.002	0.59	14.40	16.6	1	1.4	424	0.36	<0.05	4.30	0.415	1.96
S047093		960	624	104.0	<0.002	0.85	16.65	17.3	1	1.6	374	0.36	<0.05	4.56	0.402	1.84
S047094		1080	36.4	40.6	<0.002	0.16	2.85	20.5	<1	1.1	799	0.40	<0.05	5.36	0.447	0.54
S047095		1010	14.6	34.1	<0.002	0.06	1.76	16.7	1	1.0	763	0.39	<0.05	4.13	0.442	0.41
S047096		970	15.2	32.9	<0.002	0.08	5.27	15.7	1	1.1	675	0.44	<0.05	4.59	0.443	0.48
S047097		900	14.8	34.4	<0.002	0.07	4.69	14.9	<1	1.1	638	0.41	<0.05	4.54	0.427	0.46
S047098		760	11.3	56.8	<0.002	0.17	38.8	16.6	1	1.1	415	0.37	<0.05	5.01	0.395	1.20
S047099		670	870	103.5	<0.002	2.66	42.9	13.2	1	2.3	327	0.29	<0.05	4.03	0.307	1.77
S047100		890	220	88.2	<0.002	0.60	14.30	15.7	<1	1.5	352	0.37	<0.05	4.58	0.388	1.96

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047065		1.5	150	1.3	17.4	349	17.8	0.012
S047066		1.6	153	2.5	17.6	351	20.0	0.169
S047067		1.5	154	2.6	17.5	84	21.3	0.029
S047068		1.4	104	21.9	11.3	>10000	14.4	0.567
S047069		0.4	2	0.1	0.7	37	<0.5	<0.005
S047070		1.6	152	4.7	17.3	107	18.5	<0.005
S047071		2.1	163	2.7	18.6	83	30.4	0.011
S047072		5.2	66	5.1	12.2	852	30.8	0.367
S047073		1.6	157	1.2	18.0	551	17.8	0.011
S047074		1.5	154	1.0	14.4	266	20.2	0.010
S047075		2.5	116	4.6	14.9	3510	14.8	0.589
S047076		2.0	149	1.0	16.8	125	18.3	<0.005
S047077		1.7	140	0.7	16.1	84	22.7	0.005
S047078		4.9	49	0.9	14.2	41	41.2	<0.005
S047079		1.8	152	0.6	17.4	125	17.2	0.007
S047080		2.6	152	0.8	15.3	205	16.1	<0.005
S047081		2.9	124	4.1	14.5	1420	12.8	0.336
S047082		0.5	2	0.1	0.8	20	<0.5	<0.005
S047083		2.4	139	2.1	16.7	142	16.6	0.005
S047084		2.5	172	0.9	16.1	119	28.9	0.010
S047085		1.8	155	1.8	16.2	119	14.3	0.007
S047086		2.9	119	4.1	14.9	2230	14.1	0.228
S047087		13.7	61	1.1	11.1	64	189.0	<0.005
S047088		5.4	62	5.6	11.6	2350	30.3	0.929
S047089		4.0	71	1.2	12.4	73	132.0	<0.005
S047090		2.3	120	10.5	11.7	9570	16.7	0.920
S047091		1.8	152	1.7	17.3	1040	18.3	0.011
S047092		1.6	142	2.7	15.3	751	15.4	0.038
S047093		1.6	141	3.3	15.4	2590	16.4	0.052
S047094		2.0	164	0.9	16.2	239	24.6	0.015
S047095		1.3	148	0.6	17.1	85	8.9	<0.005
S047096		1.5	144	0.7	16.0	84	10.0	0.027
S047097		1.5	136	0.7	15.3	81	9.7	0.025
S047098		2.6	132	2.9	15.6	63	9.5	0.011
S047099		5.5	106	3.7	12.6	2450	10.5	0.342
S047100		1.6	133	1.8	15.6	1200	9.6	0.077

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

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 7-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114055

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	LOG-21d	LOG-22	LOG-23
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21		

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

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE TR16114056

Project: Klaza

P.O. No.: Batch 34

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

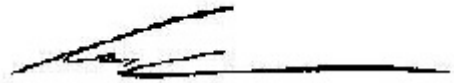
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114056

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
K290617		8.56			0.24	6.39	17.6	1240	2.35	0.15	0.53	0.34	16.25	0.2	4	28.9
K290618		6.43			0.23	6.11	14.6	810	2.17	0.22	0.77	0.22	15.90	0.2	4	27.4
K290619		1.82			0.21	6.34	15.0	870	2.07	0.29	0.48	0.18	13.95	0.2	1	27.4
K290620		0.27			4.07	6.37	672	540	1.40	3.27	1.98	9.57	46.5	12.3	23	13.00
K290621		2.42			0.36	6.20	15.1	620	2.41	0.72	0.89	0.12	14.65	0.2	2	26.6
K290622		2.63			11.35	5.69	464	590	1.96	0.78	1.76	31.2	38.6	6.0	5	22.1
K290623		2.03	102	2.12	>100	5.66	252	680	1.49	3.07	2.14	109.0	34.4	6.3	5	13.10
K290624		3.02			7.52	4.63	243	670	1.39	5.29	1.60	9.38	60.7	71.9	7	20.6
K290625		5.97			0.08	0.07	0.4	30	0.05	0.04	19.45	0.16	1.20	0.7	1	0.54
K290626		2.31			3.74	7.11	63.3	980	1.81	0.35	1.62	30.0	57.2	6.5	7	43.1
K290627		3.19			2.48	7.40	111.5	680	2.76	1.12	1.29	14.20	69.3	6.0	6	64.7
K290628		1.63			0.78	7.10	25.8	280	3.14	0.75	0.79	3.08	24.6	1.2	2	58.3
K290629		1.85			0.85	6.41	22.0	940	2.77	1.23	0.89	1.89	17.80	1.0	2	32.1
K290630		3.65			2.32	6.27	45.8	1580	2.53	1.00	1.79	12.45	32.9	2.4	6	33.8
K290631		2.62			0.79	7.00	18.5	2580	1.63	0.23	1.88	6.94	36.6	1.1	7	15.60
K290632		1.44			0.47	6.86	16.4	810	1.67	0.30	1.35	1.00	54.8	2.1	8	10.05
K290633		0.62			0.53	7.00	21.4	900	1.78	0.20	1.38	1.69	61.2	1.9	7	12.00
K290634		1.77			0.34	8.43	15.5	720	1.73	0.14	0.57	0.26	56.6	1.2	11	7.80
K290635		1.40			0.33	7.92	19.8	940	1.71	0.31	1.33	0.39	62.6	4.1	7	7.14
K290636		1.31			0.26	7.66	21.4	1210	1.52	0.21	2.22	0.63	55.2	2.2	8	10.20
K290637		1.42			21.2	6.91	345	510	1.47	9.45	1.36	19.50	56.9	2.4	8	10.80
K290638		6.00			0.02	0.07	<0.2	20	0.05	0.05	20.7	0.07	1.18	0.7	1	0.16
K290639		1.10			0.29	8.64	12.5	620	1.74	0.25	0.98	0.36	53.7	2.6	9	9.46
K290640		6.56			0.28	7.38	15.0	1370	1.56	0.42	1.94	0.52	53.6	2.9	8	7.53
K290641		1.19			1.78	5.94	28.7	2280	1.44	0.58	2.13	5.81	56.2	12.4	7	10.15
K290642		<0.02			1.68	6.07	28.2	2120	1.40	0.58	2.14	5.84	57.6	11.5	8	10.15
K290643		1.39			9.49	6.18	29.3	630	1.59	0.81	1.11	43.2	66.2	9.1	7	11.20
K290644		2.17			4.81	6.28	156.0	1880	1.69	0.12	2.08	11.65	33.3	7.4	9	19.00
K290645		0.27			11.35	6.48	1530	850	1.45	12.75	1.86	31.7	47.5	19.0	19	14.30
K290646		1.75			1.01	6.51	77.6	2490	1.60	0.43	2.76	12.05	45.7	4.8	7	22.5
K290647		5.27			3.80	6.61	194.0	2050	1.38	1.23	3.66	31.9	44.7	5.4	8	20.1
K290648		2.58			10.80	6.58	510	1490	1.42	1.35	2.46	56.2	55.5	6.9	7	18.80
K290649		2.18		1.390	67.5	5.37	6290	340	1.20	4.08	2.55	116.5	33.0	6.9	8	10.40
K290650		4.23			4.18	7.10	593	1080	1.38	0.71	2.14	24.3	50.4	5.8	9	15.05
K290651		1.74			4.35	7.08	1235	610	1.51	0.58	1.50	23.3	46.6	8.8	9	14.80
K290652		2.69			0.71	7.04	37.0	1550	1.36	0.32	1.71	3.19	40.9	5.7	8	14.05

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

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114056

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K290617		1.2	0.54	18.40	0.09	3.1	0.035	2.27	7.7	27.6	0.22	439	0.95	0.03	25.5	0.7
K290618		1.0	0.67	17.45	0.09	3.1	0.034	2.03	7.8	37.2	0.30	553	0.77	0.03	24.0	0.6
K290619		1.0	0.60	17.00	0.09	2.9	0.026	2.43	6.9	22.8	0.22	545	0.81	0.03	23.2	0.5
K290620		299	4.67	14.05	0.12	1.1	0.283	2.83	27.0	26.0	0.73	1760	13.45	0.14	6.1	14.1
K290621		0.7	0.62	17.10	0.10	3.1	0.022	2.34	7.2	22.1	0.26	640	1.35	0.03	20.6	0.3
K290622		19.6	3.12	13.15	0.10	1.4	0.204	1.93	21.0	29.9	0.54	2520	1.84	0.02	9.4	2.3
K290623		92.5	4.22	12.70	0.09	1.0	0.616	2.51	20.5	11.8	0.70	4790	1.68	0.03	5.6	2.1
K290624		26.7	7.91	12.75	0.14	0.8	0.174	1.80	36.5	20.8	0.70	1770	4.35	0.04	4.6	4.3
K290625		1.7	0.47	0.26	<0.05	<0.1	0.006	0.04	0.6	1.4	11.90	210	0.18	0.01	0.3	1.8
K290626		17.0	2.93	14.80	0.14	1.2	0.076	2.76	34.7	44.9	0.59	1370	1.40	0.03	7.8	2.1
K290627		11.9	3.25	15.40	0.13	1.4	0.183	2.05	41.1	45.6	0.55	1570	1.43	0.03	9.4	2.5
K290628		3.4	0.83	19.45	0.10	3.0	0.058	2.39	12.9	33.7	0.33	562	1.40	0.04	22.3	0.6
K290629		2.4	0.82	17.60	0.09	3.0	0.051	2.35	8.7	29.1	0.27	803	1.43	0.04	22.4	0.4
K290630		12.1	3.04	15.10	0.12	1.6	0.102	2.30	16.8	42.0	0.61	1960	1.14	0.03	11.1	1.7
K290631		3.1	4.18	15.70	0.12	1.2	0.081	2.39	20.4	36.2	0.82	1590	0.16	0.03	8.6	1.8
K290632		4.6	3.43	13.95	0.14	1.2	0.089	1.78	32.5	42.4	0.73	1130	0.10	0.02	7.7	2.4
K290633		6.9	3.84	14.70	0.10	1.1	0.108	2.10	37.2	37.1	0.80	1340	0.09	0.02	7.7	2.0
K290634		2.2	2.71	16.80	0.11	1.5	0.090	1.61	32.5	55.7	0.41	700	0.14	0.02	9.5	2.2
K290635		2.1	4.11	15.25	0.12	1.2	0.089	1.32	36.2	60.5	0.71	1150	0.11	0.02	8.7	2.8
K290636		1.8	3.81	15.70	0.11	1.2	0.070	1.91	32.2	51.0	0.98	1520	0.12	0.03	8.2	2.4
K290637		89.2	5.96	14.65	0.11	1.0	0.350	3.01	33.9	19.5	0.90	2080	0.22	0.02	7.1	2.7
K290638		1.3	0.48	0.25	0.06	<0.1	0.007	0.02	0.6	1.3	12.50	210	0.15	<0.01	0.2	1.8
K290639		1.9	2.56	16.35	0.12	1.3	0.085	1.30	29.6	77.1	0.48	736	0.10	0.02	10.1	2.9
K290640		2.7	3.11	15.90	0.10	1.1	0.089	1.42	30.0	60.8	0.78	1120	0.11	0.02	8.7	2.2
K290641		18.4	4.29	14.30	0.12	0.8	0.141	2.43	34.7	34.3	1.00	1860	0.18	0.02	5.6	2.4
K290642		17.6	4.30	14.30	0.13	0.8	0.139	2.48	35.6	34.5	1.00	1840	0.21	0.02	5.8	2.6
K290643		59.5	4.33	15.05	0.11	0.9	0.234	2.03	41.7	50.0	0.74	1610	0.20	0.02	7.0	2.3
K290644		15.2	2.60	17.20	0.11	3.0	0.043	2.89	16.1	70.9	0.32	774	3.06	0.02	9.7	4.2
K290645		284	6.37	14.95	0.11	1.2	0.805	2.87	26.5	20.2	0.75	1750	8.60	0.12	6.7	12.6
K290646		9.0	2.36	14.10	0.10	2.0	0.083	2.18	25.4	71.2	0.81	895	5.03	0.02	7.9	2.4
K290647		38.2	2.76	13.80	0.12	1.4	0.211	2.64	25.4	51.1	1.28	1120	2.80	0.02	7.1	2.4
K290648		63.9	3.17	14.20	0.12	1.2	0.380	2.65	33.7	35.7	0.82	1240	3.17	0.02	7.1	2.4
K290649		152.5	4.45	11.95	0.12	1.2	0.895	2.42	17.1	31.5	0.98	1400	22.5	0.02	5.6	2.4
K290650		22.7	3.25	15.35	0.13	1.2	0.184	3.18	29.1	20.4	0.79	896	1.72	0.03	7.4	2.4
K290651		55.4	3.66	15.55	0.11	1.3	0.179	3.01	26.5	29.8	0.60	856	1.12	0.03	7.6	3.0
K290652		7.9	2.48	15.50	0.10	1.5	0.067	1.51	21.1	158.5	0.57	864	0.76	0.02	7.9	2.2

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

ALS Canada Ltd.

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

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114056

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
K290617		30	99.1	152.5	<0.002	0.09	5.70	3.0	<1	3.4	59.6	2.70	<0.05	21.7	0.032	1.85
K290618		20	77.3	136.5	<0.002	0.05	6.40	3.1	1	3.8	58.3	2.54	<0.05	20.9	0.032	1.65
K290619		20	55.1	151.5	<0.002	0.08	5.25	2.9	<1	2.6	51.4	2.40	<0.05	20.3	0.031	1.89
K290620		470	421	152.5	0.004	2.55	25.8	9.1	1	5.3	103.5	0.51	0.27	11.50	0.190	2.51
K290621		30	57.8	153.0	<0.002	0.06	5.61	2.9	<1	2.6	66.4	2.53	<0.05	20.9	0.031	1.96
K290622		380	3240	113.0	<0.002	1.76	21.6	7.7	<1	2.7	172.0	0.69	<0.05	12.25	0.168	2.01
K290623		440	>10000	143.5	<0.002	1.79	50.4	8.4	1	3.4	78.2	0.47	<0.05	10.95	0.166	2.43
K290624		330	464	108.0	0.002	6.20	12.35	9.0	3	3.2	70.9	0.35	2.18	9.06	0.129	1.85
K290625		160	17.0	2.7	0.002	0.01	0.13	0.2	<1	0.3	46.3	<0.05	<0.05	0.11	<0.005	0.02
K290626		520	784	155.0	0.002	0.90	9.65	10.5	1	2.6	77.7	0.60	0.06	13.00	0.231	2.72
K290627		500	440	125.0	0.002	1.18	12.95	10.0	<1	3.7	98.9	0.72	0.08	14.75	0.237	2.20
K290628		110	199.0	168.0	<0.002	0.13	7.82	4.5	1	3.4	96.1	2.48	<0.05	22.2	0.073	2.29
K290629		70	192.5	157.5	<0.002	0.11	7.06	3.8	<1	3.0	88.6	2.40	<0.05	20.9	0.047	2.12
K290630		390	873	110.0	<0.002	0.30	13.65	8.5	1	3.3	102.5	1.03	<0.05	12.20	0.180	2.38
K290631		530	193.0	104.0	0.002	0.25	12.55	11.4	1	2.4	67.6	0.64	<0.05	12.00	0.237	1.88
K290632		500	65.6	120.5	<0.002	0.13	5.68	9.8	1	2.4	130.0	0.66	<0.05	13.70	0.220	1.87
K290633		520	169.5	142.5	0.002	0.19	6.21	10.2	<1	2.6	131.5	0.65	<0.05	14.05	0.220	2.36
K290634		640	17.5	99.1	<0.002	0.15	4.24	11.3	1	2.1	228	0.86	<0.05	16.65	0.269	1.56
K290635		590	18.1	77.6	0.002	0.27	4.27	12.2	<1	2.1	243	0.72	0.07	14.90	0.249	1.38
K290636		580	36.8	91.9	<0.002	0.19	3.97	10.5	<1	2.0	180.0	0.65	<0.05	13.55	0.247	1.95
K290637		490	1460	201	<0.002	2.18	20.7	9.7	<1	3.4	51.3	0.59	<0.05	14.05	0.217	3.19
K290638		150	3.3	1.3	<0.002	0.01	0.09	0.2	<1	0.2	49.5	<0.05	<0.05	0.12	<0.005	0.02
K290639		660	23.1	73.4	0.002	0.08	4.44	10.5	<1	2.1	237	0.77	<0.05	15.40	0.285	1.27
K290640		580	14.0	62.9	<0.002	0.13	4.37	10.5	1	2.2	226	0.65	<0.05	12.40	0.256	1.51
K290641		370	549	164.5	<0.002	0.56	7.66	8.8	<1	2.3	110.5	0.45	<0.05	10.40	0.173	2.72
K290642		380	509	165.5	<0.002	0.55	7.68	8.9	1	2.3	110.5	0.48	<0.05	10.85	0.177	2.70
K290643		460	2330	145.0	0.002	0.57	10.25	9.2	<1	2.3	162.0	0.52	0.07	11.80	0.198	2.31
K290644		670	98.0	130.5	<0.002	0.18	18.80	6.5	<1	1.3	403	0.72	<0.05	6.97	0.259	3.44
K290645		510	1190	165.0	<0.002	4.53	61.4	9.8	1	8.2	97.9	0.55	1.22	11.90	0.201	2.76
K290646		560	195.0	106.5	0.002	0.28	20.8	8.0	1	2.0	231	0.64	0.06	10.70	0.228	2.47
K290647		470	591	119.5	<0.002	0.85	17.80	8.7	1	2.0	161.5	0.59	0.10	11.80	0.214	3.10
K290648		470	3660	145.5	<0.002	2.53	24.6	8.7	1	4.4	124.0	0.54	0.20	11.85	0.205	2.65
K290649		380	>10000	132.5	<0.002	3.67	108.5	7.0	<1	6.5	85.8	0.47	0.25	9.41	0.168	2.55
K290650		500	875	168.5	<0.002	1.95	12.95	9.7	<1	4.5	78.3	0.60	0.19	13.85	0.216	2.93
K290651		510	1080	162.0	<0.002	2.52	20.4	10.0	<1	7.5	61.9	0.64	0.17	14.35	0.225	3.06
K290652		550	192.0	63.8	<0.002	0.62	19.30	9.6	1	1.7	155.5	0.70	0.11	12.05	0.235	1.65

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

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16114056

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
K290617		11.0	1	1.5	13.5	76	53.6	0.007
K290618		8.2	1	1.5	14.2	81	55.3	0.012
K290619		5.4	1	1.1	10.7	74	47.9	0.009
K290620		5.1	61	5.4	11.5	809	28.5	0.335
K290621		8.3	1	1.4	11.0	70	49.5	0.013
K290622		6.6	53	4.9	12.2	2100	30.8	0.168
K290623		4.7	53	4.4	11.6	5940	23.7	0.400
K290624		84.7	80	5.8	54.3	831	26.6	0.681
K290625		0.5	2	0.1	0.8	24	0.5	<0.005
K290626		7.4	65	5.8	13.7	1920	29.0	0.042
K290627		15.5	65	7.1	20.8	1080	34.3	0.046
K290628		15.4	13	2.6	19.1	304	55.2	0.016
K290629		12.5	6	1.8	16.1	154	51.5	0.030
K290630		5.5	50	3.7	16.2	839	31.8	0.044
K290631		1.9	69	2.5	13.0	514	27.3	0.040
K290632		4.8	58	3.8	15.9	111	26.4	0.008
K290633		5.0	61	4.0	17.6	168	28.7	0.012
K290634		3.0	56	5.3	14.2	75	33.4	<0.005
K290635		2.5	68	5.5	18.0	111	29.0	0.005
K290636		3.9	63	5.5	14.5	105	27.9	0.057
K290637		6.1	59	5.2	10.3	1520	25.8	0.333
K290638		0.5	2	0.2	0.8	20	<0.5	<0.005
K290639		4.7	59	9.0	14.2	74	31.3	<0.005
K290640		4.2	74	6.3	14.0	89	28.0	<0.005
K290641		3.8	78	3.8	11.8	461	21.6	0.017
K290642		3.9	80	3.8	11.9	466	21.8	0.018
K290643		4.1	67	4.4	10.1	2920	26.0	0.031
K290644		3.9	66	8.8	11.0	842	104.5	0.124
K290645		5.3	62	6.0	12.0	2310	30.1	0.857
K290646		4.6	59	6.5	13.6	700	67.4	0.052
K290647		4.1	57	2.9	13.5	2080	42.8	0.347
K290648		4.2	55	3.3	11.2	3670	33.7	0.270
K290649		5.3	46	2.6	9.0	7880	35.0	3.06
K290650		3.7	57	2.5	12.3	1600	33.0	0.225
K290651		4.4	59	3.1	12.3	1710	34.4	0.531
K290652		3.7	66	4.2	12.9	405	37.9	0.011

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Project: Klaza

Finalized Date: 8-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16114056

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

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

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Finalized Date: 9-AUG-2016
Account: ROCKHA

CERTIFICATE TR16121657

Project: Klaza

P.O. No.: Trench Batch 2

This report is for 4 Crushed Core samples submitted to our lab in Terrace, BC, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 to 106 um
PUL-32	Pulverize 1000g to 85% < 75 um

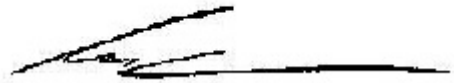
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16121657

Sample Description	Method Analyte Units LOR	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
R499509		0.07	0.11	0.07	0.005	47.31	987.0	0.07	0.07
R499510		0.12	0.20	0.11	0.011	55.28	869.8	0.11	0.11
R499511		0.06	0.08	0.06	0.003	38.21	1023.5	0.06	0.06
R499512		0.06	<0.05	0.07	<0.001	50.29	1020.5	0.06	0.07

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

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

Project: Klaza

Finalized Date: 9-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16121657

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

Applies to Method:		
FND-03	SPL-21	

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-SCR21	BAG-01
PUL-32	SCR-21		

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Finalized Date: 12-AUG-2016
Account: ROCKHA

CERTIFICATE TR16121667

Project: Klaza

P.O. No.: Trench Batch 3

This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 15-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 to 106 um
PUL-32	Pulverize 1000g to 85% < 75 um

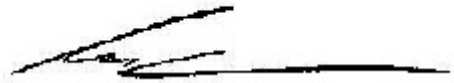
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16121667

Sample Description	Method Analyte Units LOR	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
R499548		<0.05	0.08	<0.05	0.005	62.27	893.7	0.04	0.04

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Project: Klaza

Finalized Date: 12-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16121667

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

Applies to Method:		
FND-03	SPL-21	

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-SCR21	BAG-01
PUL-32	SCR-21		

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Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE TR16122665

Project: Klaza

P.O. No.: Batch 13

This report is for 4 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16122665

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292271		0.63
K292272		1.28
K292273		0.49
K292275		6.98

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

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16122665

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

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

Au-AA13 FND-02

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE TR16122676

Project: Klaza

P.O. No.: Batch 3

This report is for 2 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

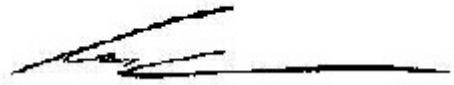
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

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

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

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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North Vancouver BC V7H 0A7
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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16122676

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292701		11.60
K292724		2.71

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

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Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16122676

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Au-AA13 FND-02

ALS Canada Ltd.

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Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE TR16130209

Project: Klaza

P.O. No.: Batch 13

This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 9-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SCR-21	Screen to -100 to 106 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS TR16130209

Sample Description	Method Analyte Units LOR	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
K292275		15.20	40.4	14.95	0.310	7.68	853.6	15.15	14.75

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

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Project: Klaza

Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS TR16130209

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

Applies to Method:		
FND-03	SPL-21	

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-SCR21	BAG-01
PUL-32	SCR-21		

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Finalized Date: 14-JUL-2016
Account: ROCKHA

CERTIFICATE VA16102821

Project: Klaza

This report is for 200 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

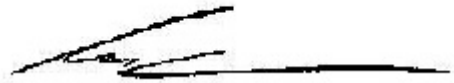
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103367		0.22	<0.005	<0.2	1.05	9	<10	80	<0.5	<2	0.14	<0.5	3	18	10	2.01
ZZ103368		0.26	<0.005	0.2	1.51	9	<10	160	<0.5	<2	0.34	<0.5	7	22	15	2.14
ZZ103369		0.24	<0.005	<0.2	1.15	8	<10	150	<0.5	<2	0.31	<0.5	6	19	11	1.88
ZZ103370		0.22	<0.005	<0.2	1.39	8	<10	130	<0.5	<2	0.28	<0.5	7	21	19	2.32
ZZ103371		0.34	0.007	0.2	1.19	8	<10	90	<0.5	<2	0.22	<0.5	4	19	13	1.72
ZZ103372		0.40	<0.005	<0.2	1.07	10	<10	80	<0.5	<2	0.21	<0.5	5	18	9	1.63
ZZ103373		0.32	<0.005	0.4	1.05	12	<10	90	<0.5	<2	0.16	<0.5	5	16	15	1.59
ZZ103374		0.38	0.010	0.2	0.97	21	<10	110	<0.5	<2	0.22	<0.5	5	16	14	1.70
ZZ103375		0.44	0.005	0.2	0.82	20	<10	90	<0.5	<2	0.21	<0.5	4	14	11	1.62
ZZ103376		0.50	0.011	0.5	1.31	22	<10	150	<0.5	<2	0.23	<0.5	5	21	25	1.60
ZZ103377		0.42	<0.005	<0.2	1.40	33	<10	120	<0.5	<2	0.31	<0.5	5	24	13	1.93
ZZ103378		0.40	0.014	0.3	1.28	21	<10	120	<0.5	<2	0.28	<0.5	5	20	12	1.70
ZZ103379		0.42	0.013	0.2	1.50	11	<10	110	<0.5	<2	0.36	<0.5	6	22	11	1.57
ZZ103380		0.38	0.006	0.2	0.75	8	<10	90	<0.5	<2	0.25	<0.5	3	12	7	1.20
ZZ103381		0.36	<0.005	0.3	1.55	19	<10	130	<0.5	<2	0.24	<0.5	6	23	12	2.40
ZZ103382		0.40	<0.005	0.2	1.42	25	<10	120	<0.5	<2	0.25	<0.5	5	23	12	2.15
ZZ103383		0.38	<0.005	0.3	1.33	7	<10	180	<0.5	<2	0.29	<0.5	6	16	23	1.79
ZZ103384		0.24	<0.005	<0.2	1.26	7	<10	90	<0.5	<2	0.17	<0.5	4	19	16	2.15
ZZ103385		0.44	0.010	0.7	1.42	32	<10	140	<0.5	<2	0.32	<0.5	8	23	18	2.37
ZZ103386		0.38	<0.005	<0.2	1.15	11	<10	80	<0.5	<2	0.24	<0.5	7	22	14	2.19
ZZ103387		0.30	<0.005	<0.2	1.41	9	<10	90	<0.5	<2	0.18	<0.5	5	25	13	2.38
ZZ103388		0.38	0.014	0.5	1.34	42	<10	350	0.5	<2	0.44	<0.5	9	22	17	2.81
ZZ103389		0.42	0.014	0.4	1.41	42	<10	190	0.6	<2	0.33	<0.5	8	23	16	2.70
ZZ103390		0.36	<0.005	<0.2	1.03	20	<10	60	<0.5	<2	0.14	<0.5	6	18	16	2.50
ZZ103391		0.44	0.006	0.2	1.02	13	<10	130	<0.5	<2	0.37	<0.5	6	20	15	2.04
ZZ103392		0.38	0.042	0.2	1.32	22	<10	110	<0.5	<2	0.21	<0.5	7	22	14	2.73
ZZ103393		0.38	0.006	<0.2	1.62	16	<10	140	0.5	<2	0.26	<0.5	8	24	15	2.51
ZZ103394		0.38	<0.005	<0.2	1.68	8	<10	180	<0.5	<2	0.40	<0.5	7	24	15	2.26
ZZ103395		0.42	<0.005	<0.2	1.18	7	<10	90	<0.5	<2	0.16	<0.5	5	18	8	1.69
ZZ103396		0.42	<0.005	<0.2	1.82	9	<10	130	<0.5	<2	0.20	<0.5	7	25	10	2.26
ZZ103397		0.40	<0.005	0.2	2.29	10	<10	190	0.5	<2	0.30	<0.5	10	30	16	2.82
ZZ103398		0.46	<0.005	<0.2	1.81	10	<10	70	<0.5	<2	0.12	<0.5	4	24	9	2.38
ZZ103399		0.30	<0.005	<0.2	1.52	10	<10	70	<0.5	<2	0.21	<0.5	6	24	9	2.34
ZZ103400		0.30	<0.005	<0.2	1.30	11	<10	90	<0.5	<2	0.19	<0.5	5	23	12	2.61
ZZ103401		0.30	<0.005	<0.2	1.56	8	<10	120	<0.5	<2	0.24	<0.5	7	23	19	2.17
ZZ103402		0.34	<0.005	0.2	1.64	9	<10	270	<0.5	<2	0.43	<0.5	7	24	14	2.21
ZZ103403		0.28	<0.005	<0.2	1.05	11	<10	50	<0.5	<2	0.12	<0.5	3	18	10	2.23
ZZ103404		0.32	<0.005	<0.2	1.09	7	<10	70	<0.5	<2	0.11	<0.5	2	15	12	1.71
ZZ103405		0.46	<0.005	<0.2	1.17	6	<10	130	<0.5	<2	0.24	<0.5	5	18	10	1.75
ZZ103406		0.32	<0.005	<0.2	1.82	8	<10	170	<0.5	<2	0.31	<0.5	7	23	22	2.21

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

ALS Canada Ltd.

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

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103367		10	<1	0.04	10	0.27	137	1	<0.01	9	230	8	<0.01	<2	2	13
ZZ103368		<10	<1	0.06	10	0.40	326	1	0.01	12	580	18	0.01	<2	3	21
ZZ103369		10	1	0.05	10	0.33	321	1	0.01	10	590	10	<0.01	<2	2	20
ZZ103370		<10	<1	0.05	10	0.38	341	1	0.02	10	630	12	0.02	<2	2	20
ZZ103371		<10	<1	0.05	10	0.35	142	1	0.01	8	570	13	0.01	<2	1	18
ZZ103372		10	<1	0.05	10	0.34	181	<1	0.01	7	580	9	<0.01	<2	2	14
ZZ103373		<10	1	0.05	10	0.29	175	1	0.02	7	410	12	0.01	<2	1	14
ZZ103374		<10	<1	0.05	10	0.29	263	1	0.01	7	420	15	<0.01	<2	2	15
ZZ103375		<10	<1	0.05	10	0.23	188	<1	0.01	5	370	14	<0.01	<2	2	13
ZZ103376		<10	<1	0.06	10	0.35	179	1	0.01	10	660	25	0.01	<2	2	15
ZZ103377		<10	<1	0.08	10	0.44	176	<1	0.01	11	540	32	<0.01	<2	3	19
ZZ103378		10	<1	0.06	10	0.36	199	1	<0.01	10	390	25	<0.01	<2	3	18
ZZ103379		<10	<1	0.08	10	0.44	163	<1	0.01	12	700	18	<0.01	<2	3	19
ZZ103380		<10	<1	0.04	10	0.24	130	1	0.02	5	350	10	<0.01	<2	1	16
ZZ103381		10	<1	0.05	10	0.46	281	1	0.01	11	370	18	<0.01	<2	3	16
ZZ103382		10	<1	0.07	10	0.40	397	1	0.01	10	560	16	<0.01	<2	2	18
ZZ103383		<10	<1	0.04	10	0.20	941	1	0.01	6	810	7	0.04	<2	1	21
ZZ103384		10	<1	0.05	10	0.28	194	1	0.01	9	610	6	0.01	<2	2	16
ZZ103385		<10	<1	0.06	10	0.43	508	1	0.01	13	440	9	0.01	<2	3	20
ZZ103386		10	<1	0.07	10	0.34	397	1	<0.01	11	570	8	0.02	<2	2	17
ZZ103387		10	<1	0.07	10	0.38	239	1	0.01	12	540	8	0.03	<2	2	14
ZZ103388		<10	<1	0.09	20	0.46	675	1	0.01	13	660	14	0.01	<2	6	22
ZZ103389		<10	<1	0.08	10	0.40	499	1	0.01	15	700	12	0.02	<2	5	19
ZZ103390		<10	<1	0.05	10	0.26	340	1	0.01	9	460	10	<0.01	<2	3	11
ZZ103391		<10	<1	0.06	10	0.37	380	<1	0.01	12	730	16	<0.01	<2	3	22
ZZ103392		10	<1	0.07	10	0.38	357	1	0.01	11	470	25	0.01	<2	3	15
ZZ103393		10	<1	0.05	20	0.47	435	1	0.01	13	840	16	0.01	<2	3	17
ZZ103394		10	<1	0.06	10	0.41	351	<1	0.01	13	800	7	0.01	<2	3	23
ZZ103395		<10	<1	0.04	10	0.28	229	1	0.01	8	330	7	<0.01	<2	2	13
ZZ103396		10	<1	0.05	10	0.39	243	1	0.01	14	480	6	<0.01	<2	3	17
ZZ103397		10	<1	0.09	10	0.49	548	1	0.01	18	630	12	0.01	<2	4	22
ZZ103398		10	<1	0.05	10	0.29	144	1	<0.01	10	360	8	0.01	<2	3	11
ZZ103399		10	<1	0.07	10	0.38	265	1	<0.01	11	340	8	0.01	<2	3	16
ZZ103400		10	<1	0.09	10	0.35	266	1	0.01	11	470	10	0.02	<2	2	17
ZZ103401		<10	<1	0.07	10	0.39	341	1	0.01	13	630	7	0.03	<2	2	21
ZZ103402		10	<1	0.06	10	0.42	412	1	0.01	12	660	11	0.02	<2	3	25
ZZ103403		10	<1	0.05	10	0.24	149	1	0.01	7	560	7	0.01	<2	2	11
ZZ103404		10	<1	0.03	10	0.18	88	1	0.01	6	370	6	0.02	<2	1	8
ZZ103405		10	<1	0.05	10	0.33	268	1	0.01	9	420	8	0.01	<2	2	17
ZZ103406		10	<1	0.06	10	0.41	525	<1	0.02	13	790	7	0.03	<2	2	24

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

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103367		<20	0.08	<10	<10	55	<10	31
ZZ103368		<20	0.06	<10	<10	48	<10	45
ZZ103369		<20	0.06	<10	<10	50	<10	39
ZZ103370		<20	0.05	<10	<10	58	<10	46
ZZ103371		<20	0.05	<10	<10	44	<10	37
ZZ103372		<20	0.07	<10	<10	46	<10	38
ZZ103373		<20	0.05	<10	<10	46	<10	38
ZZ103374		<20	0.06	<10	<10	44	<10	42
ZZ103375		<20	0.07	<10	<10	46	<10	42
ZZ103376		<20	0.04	<10	<10	39	<10	46
ZZ103377		<20	0.07	<10	<10	52	<10	62
ZZ103378		<20	0.06	<10	<10	38	<10	53
ZZ103379		<20	0.07	<10	<10	39	<10	50
ZZ103380		<20	0.05	<10	<10	33	<10	34
ZZ103381		<20	0.08	<10	<10	60	<10	64
ZZ103382		<20	0.04	<10	<10	47	<10	58
ZZ103383		<20	0.04	<10	<10	47	<10	34
ZZ103384		<20	0.08	<10	<10	61	<10	36
ZZ103385		<20	0.07	<10	<10	57	<10	47
ZZ103386		<20	0.07	<10	<10	55	<10	42
ZZ103387		<20	0.08	<10	<10	54	<10	46
ZZ103388		<20	0.04	<10	<10	56	<10	60
ZZ103389		<20	0.04	<10	<10	56	<10	61
ZZ103390		<20	0.04	<10	<10	60	<10	57
ZZ103391		<20	0.05	<10	<10	49	<10	42
ZZ103392		<20	0.06	<10	<10	60	<10	63
ZZ103393		<20	0.04	<10	<10	57	<10	61
ZZ103394		<20	0.07	<10	<10	57	<10	46
ZZ103395		<20	0.07	<10	<10	47	<10	29
ZZ103396		<20	0.08	<10	<10	55	<10	39
ZZ103397		<20	0.08	<10	<10	62	<10	57
ZZ103398		<20	0.09	<10	<10	64	<10	31
ZZ103399		<20	0.09	<10	<10	64	<10	41
ZZ103400		<20	0.09	<10	<10	65	<10	52
ZZ103401		<20	0.06	<10	<10	53	<10	45
ZZ103402		<20	0.06	<10	<10	54	<10	46
ZZ103403		<20	0.10	<10	<10	71	<10	31
ZZ103404		<20	0.06	<10	<10	49	<10	23
ZZ103405		<20	0.07	<10	<10	50	<10	36
ZZ103406		<20	0.06	<10	<10	53	<10	43

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103407		0.36	<0.005	<0.2	1.15	8	<10	200	<0.5	2	0.41	<0.5	5	17	18	1.61
ZZ103408		0.40	0.005	<0.2	1.34	8	<10	160	<0.5	2	0.38	<0.5	8	18	28	2.13
ZZ103409		0.40	<0.005	<0.2	1.62	10	<10	170	<0.5	<2	0.30	<0.5	7	23	20	2.10
ZZ103410		0.26	<0.005	<0.2	0.88	7	<10	60	<0.5	<2	0.10	<0.5	3	13	11	1.73
ZZ103411		0.24	<0.005	<0.2	1.04	4	<10	90	<0.5	<2	0.20	<0.5	5	14	13	1.56
ZZ103412		0.32	0.005	<0.2	1.09	8	<10	120	<0.5	2	0.35	<0.5	5	16	13	1.89
ZZ103413		0.42	<0.005	<0.2	1.16	11	<10	110	<0.5	<2	0.22	<0.5	5	17	12	2.02
ZZ103414		0.28	<0.005	0.2	1.89	7	<10	130	0.5	<2	0.28	<0.5	5	19	22	2.06
ZZ103415		0.34	<0.005	0.3	1.62	7	<10	160	<0.5	<2	0.40	<0.5	6	18	16	1.96
ZZ103416		0.38	<0.005	0.2	0.86	6	<10	80	<0.5	<2	0.27	<0.5	4	12	8	1.39
ZZ103417		0.40	<0.005	0.2	1.16	9	<10	90	<0.5	<2	0.27	<0.5	4	18	10	1.79
ZZ103418		0.34	0.010	0.2	1.24	21	<10	140	<0.5	<2	0.35	<0.5	4	19	10	1.59
ZZ103419		0.40	<0.005	0.5	1.83	23	<10	170	<0.5	<2	0.37	<0.5	12	24	22	3.06
ZZ103420		0.38	0.018	<0.2	1.33	26	<10	130	<0.5	<2	0.31	0.5	6	20	14	1.92
ZZ103421		0.46	<0.005	0.2	0.82	10	<10	80	<0.5	<2	0.19	<0.5	3	14	7	1.57
ZZ103422		0.52	0.015	0.3	1.71	23	<10	150	<0.5	<2	0.33	0.5	6	24	17	1.84
ZZ103423		0.40	0.008	0.3	1.79	22	<10	170	<0.5	<2	0.27	<0.5	6	23	18	3.40
ZZ103424		0.50	0.005	<0.2	1.10	14	<10	90	<0.5	<2	0.23	<0.5	3	17	10	1.57
ZZ103425		0.48	<0.005	0.2	1.03	15	<10	120	<0.5	2	0.26	<0.5	6	16	14	1.67
ZZ103426		0.44	0.007	<0.2	1.66	25	<10	130	<0.5	2	0.25	<0.5	6	23	19	2.23
ZZ103427		0.50	0.007	0.2	1.00	20	<10	80	<0.5	<2	0.19	<0.5	6	17	13	1.63
ZZ103428		0.38	<0.005	0.2	1.34	17	<10	70	<0.5	<2	0.18	<0.5	4	21	10	2.09
ZZ103429		0.64	0.005	0.8	2.53	16	<10	230	<0.5	<2	0.39	<0.5	6	29	21	2.09
ZZ103430		0.70	<0.005	<0.2	1.29	4	<10	180	<0.5	2	0.32	<0.5	4	20	20	1.42
ZZ103431		0.64	<0.005	<0.2	1.45	8	<10	170	<0.5	2	0.31	<0.5	5	19	12	1.95
ZZ103432		0.76	0.070	<0.2	1.31	6	<10	140	<0.5	2	0.33	<0.5	4	20	11	1.73
ZZ103433		0.84	<0.005	<0.2	1.56	3	<10	210	<0.5	2	0.32	<0.5	5	22	14	1.40
ZZ103434		0.62	<0.005	<0.2	1.65	3	<10	170	<0.5	<2	0.30	<0.5	5	21	13	1.47
ZZ103435		0.54	<0.005	<0.2	1.40	5	<10	180	<0.5	<2	0.32	<0.5	6	21	14	1.82
ZZ103436		0.72	<0.005	<0.2	1.25	8	<10	150	<0.5	<2	0.31	<0.5	5	20	13	1.89
ZZ103437		0.70	<0.005	<0.2	1.17	9	<10	140	<0.5	2	0.30	<0.5	5	19	12	1.87
ZZ103438		0.68	<0.005	<0.2	1.55	6	<10	140	<0.5	3	0.28	<0.5	5	22	14	1.91
ZZ103439		0.72	0.007	<0.2	1.49	8	<10	140	<0.5	2	0.29	<0.5	6	23	14	2.12
ZZ103440		0.88	0.011	<0.2	1.53	10	<10	150	<0.5	2	0.29	<0.5	6	23	16	2.08
ZZ103441		0.32	<0.005	0.2	1.22	9	<10	160	<0.5	<2	0.33	<0.5	4	17	14	1.66
ZZ103442		0.32	<0.005	<0.2	1.68	7	<10	90	<0.5	2	0.18	<0.5	5	23	13	2.02
ZZ103443		0.30	<0.005	<0.2	1.26	6	<10	120	<0.5	2	0.22	<0.5	4	16	15	1.40
ZZ103444		0.36	<0.005	<0.2	1.21	7	<10	140	<0.5	<2	0.36	<0.5	4	15	17	1.72
ZZ103445		0.46	<0.005	<0.2	1.30	8	<10	210	0.5	2	0.36	<0.5	6	15	18	2.08
ZZ103446		0.36	<0.005	<0.2	1.05	5	<10	160	<0.5	<2	0.30	<0.5	6	15	13	1.67

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CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103407		<10	<1	0.05	10	0.31	406	1	0.02	9	630	9	0.04	<2	2	25
ZZ103408		10	<1	0.05	10	0.31	490	1	0.02	9	810	8	0.04	<2	2	25
ZZ103409		<10	<1	0.06	10	0.45	303	<1	0.02	13	520	8	0.01	<2	4	17
ZZ103410		10	<1	0.04	10	0.17	166	1	0.01	6	290	8	0.01	<2	1	10
ZZ103411		<10	<1	0.04	10	0.20	310	1	0.02	6	460	7	0.02	<2	1	16
ZZ103412		<10	<1	0.05	10	0.34	332	<1	0.02	10	670	6	0.01	<2	2	19
ZZ103413		10	<1	0.05	10	0.32	219	<1	0.02	10	360	5	0.01	<2	2	15
ZZ103414		<10	<1	0.04	10	0.28	243	1	0.02	9	630	7	0.03	<2	2	20
ZZ103415		10	<1	0.04	10	0.31	308	<1	0.03	10	610	6	0.03	<2	2	24
ZZ103416		<10	<1	0.04	10	0.25	149	<1	0.02	5	500	6	0.01	<2	1	17
ZZ103417		10	<1	0.06	10	0.34	155	1	0.02	9	510	9	0.02	<2	1	18
ZZ103418		10	<1	0.06	10	0.40	183	<1	0.02	9	530	16	0.01	<2	2	22
ZZ103419		10	<1	0.07	10	0.39	556	1	0.02	12	830	42	0.04	<2	2	25
ZZ103420		<10	<1	0.07	10	0.40	256	1	0.02	11	510	29	0.01	<2	3	21
ZZ103421		10	<1	0.05	10	0.25	151	1	0.02	6	320	8	0.01	<2	1	14
ZZ103422		10	<1	0.07	10	0.46	260	<1	0.02	12	620	45	0.02	<2	3	22
ZZ103423		10	<1	0.07	10	0.36	359	1	0.02	11	640	24	0.02	<2	3	21
ZZ103424		<10	<1	0.05	10	0.33	135	<1	0.01	9	470	15	0.01	<2	2	14
ZZ103425		<10	<1	0.06	10	0.29	374	<1	0.02	8	580	12	0.02	<2	2	17
ZZ103426		10	<1	0.08	10	0.39	296	<1	0.02	12	530	23	0.01	<2	3	15
ZZ103427		<10	<1	0.05	10	0.31	246	<1	0.01	7	450	18	0.02	<2	1	13
ZZ103428		10	<1	0.05	10	0.35	173	1	0.01	9	300	18	0.01	<2	2	12
ZZ103429		10	<1	0.10	10	0.47	158	<1	0.02	15	780	27	0.02	<2	4	28
ZZ103430		<10	<1	0.06	10	0.35	158	1	0.02	10	660	16	0.02	<2	2	19
ZZ103431		<10	<1	0.07	10	0.35	237	1	0.02	10	670	10	0.02	<2	2	19
ZZ103432		<10	<1	0.07	10	0.37	187	<1	0.02	10	690	10	0.02	<2	2	19
ZZ103433		10	<1	0.08	10	0.45	207	<1	0.02	11	570	11	0.02	<2	3	21
ZZ103434		10	<1	0.09	10	0.52	179	<1	0.02	11	520	9	0.02	<2	4	20
ZZ103435		10	<1	0.08	10	0.45	560	<1	0.02	10	600	7	0.03	<2	3	23
ZZ103436		<10	<1	0.09	10	0.41	201	<1	0.02	11	620	11	0.02	<2	3	19
ZZ103437		<10	<1	0.08	10	0.38	193	<1	0.02	9	560	8	0.02	<2	3	19
ZZ103438		<10	<1	0.09	10	0.45	248	1	0.02	12	620	8	0.02	<2	3	19
ZZ103439		<10	<1	0.11	10	0.50	294	1	0.02	13	560	9	0.01	<2	3	20
ZZ103440		10	<1	0.07	10	0.40	348	1	0.02	13	690	9	0.02	<2	3	19
ZZ103441		<10	<1	0.06	10	0.29	281	1	0.02	9	770	9	0.06	<2	1	25
ZZ103442		10	<1	0.04	10	0.32	192	1	0.02	11	440	8	0.02	<2	2	15
ZZ103443		<10	<1	0.05	10	0.27	142	1	0.03	8	670	6	0.04	<2	2	19
ZZ103444		<10	<1	0.06	10	0.29	278	1	0.03	8	730	7	0.03	<2	2	24
ZZ103445		<10	<1	0.07	10	0.34	450	1	0.02	9	770	8	0.03	<2	2	25
ZZ103446		10	<1	0.05	10	0.23	376	1	0.02	7	660	8	0.04	<2	1	21

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

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103407		<20	0.04	<10	<10	38	<10	41
ZZ103408		<20	0.06	<10	<10	59	<10	43
ZZ103409		<20	0.06	<10	<10	47	<10	50
ZZ103410		<20	0.09	<10	<10	59	<10	27
ZZ103411		<20	0.05	<10	<10	42	<10	29
ZZ103412		<20	0.06	<10	<10	46	<10	35
ZZ103413		<20	0.07	<10	<10	53	<10	36
ZZ103414		<20	0.06	<10	<10	48	<10	31
ZZ103415		<20	0.06	<10	<10	51	<10	36
ZZ103416		<20	0.06	<10	<10	42	<10	29
ZZ103417		<20	0.05	<10	<10	44	<10	37
ZZ103418		<20	0.06	<10	<10	39	<10	60
ZZ103419		<20	0.05	<10	<10	60	<10	52
ZZ103420		<20	0.06	<10	<10	49	<10	66
ZZ103421		<20	0.07	<10	<10	51	<10	38
ZZ103422		<20	0.06	<10	<10	45	<10	78
ZZ103423		<20	0.05	<10	<10	57	<10	54
ZZ103424		<20	0.06	<10	<10	40	<10	41
ZZ103425		<20	0.05	<10	<10	39	<10	41
ZZ103426		<20	0.07	<10	<10	49	<10	52
ZZ103427		<20	0.05	<10	<10	43	<10	45
ZZ103428		<20	0.08	<10	<10	53	<10	43
ZZ103429		<20	0.06	<10	<10	56	<10	67
ZZ103430		<20	0.06	<10	<10	52	<10	47
ZZ103431		<20	0.06	<10	<10	50	<10	46
ZZ103432		<20	0.06	<10	<10	44	<10	42
ZZ103433		<20	0.06	<10	<10	40	<10	51
ZZ103434		<20	0.08	<10	<10	41	<10	44
ZZ103435		<20	0.07	<10	<10	45	<10	47
ZZ103436		<20	0.07	<10	<10	43	<10	50
ZZ103437		<20	0.07	<10	<10	44	<10	42
ZZ103438		<20	0.08	<10	<10	48	<10	47
ZZ103439		<20	0.09	<10	<10	52	<10	44
ZZ103440		<20	0.06	<10	<10	51	<10	46
ZZ103441		<20	0.04	<10	<10	43	<10	41
ZZ103442		<20	0.07	<10	<10	50	<10	36
ZZ103443		<20	0.05	<10	<10	38	<10	30
ZZ103444		<20	0.05	<10	<10	43	<10	34
ZZ103445		<20	0.04	<10	<10	49	<10	45
ZZ103446		<20	0.05	<10	<10	49	<10	33

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

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103447		0.42	<0.005	<0.2	1.03	9	<10	250	0.5	<2	0.40	<0.5	8	19	14	2.24
ZZ103448		0.56	0.005	<0.2	1.85	10	<10	290	0.6	<2	0.47	<0.5	8	19	15	2.72
ZZ103449		0.58	<0.005	<0.2	2.27	12	<10	340	0.6	2	0.48	<0.5	11	25	17	2.83
ZZ103450		0.50	<0.005	<0.2	1.93	10	<10	210	0.5	<2	0.34	<0.5	8	25	17	2.53
ZZ103451		0.58	0.016	0.2	2.04	21	<10	320	0.5	<2	0.47	<0.5	11	29	21	2.95
ZZ103452		0.64	0.037	<0.2	1.52	6	<10	230	<0.5	<2	0.39	<0.5	6	20	11	1.91
ZZ103453		0.60	<0.005	<0.2	1.57	3	<10	230	<0.5	2	0.34	<0.5	5	24	14	1.38
ZZ103454		0.60	0.010	<0.2	1.44	8	<10	190	<0.5	2	0.32	<0.5	5	21	15	1.79
ZZ103455		0.86	0.005	<0.2	1.68	10	<10	190	<0.5	<2	0.31	<0.5	6	25	14	2.18
ZZ103456		0.72	0.006	0.6	1.72	17	<10	240	<0.5	2	0.31	<0.5	7	25	14	1.97
ZZ103457		0.58	<0.005	0.2	1.52	10	<10	170	<0.5	<2	0.28	<0.5	7	23	12	2.16
ZZ103458		0.24	0.006	<0.2	1.71	9	<10	260	0.6	<2	0.41	<0.5	8	22	23	2.28
ZZ103459		0.32	0.012	<0.2	1.44	9	<10	260	0.7	<2	0.43	<0.5	6	20	16	2.28
ZZ103460		0.40	0.020	1.1	2.06	39	<10	230	<0.5	<2	0.41	<0.5	8	25	21	2.39
ZZ103461		0.36	<0.005	0.3	1.77	8	<10	260	<0.5	2	0.39	<0.5	7	25	16	1.98
ZZ103462		0.24	<0.005	0.2	1.67	7	<10	230	<0.5	<2	0.37	<0.5	7	22	12	2.38
ZZ103463		0.44	0.014	0.4	1.87	9	<10	300	0.6	<2	0.32	<0.5	9	24	22	1.88
ZZ103464		0.34	0.016	0.2	1.20	19	<10	220	<0.5	<2	0.35	<0.5	9	18	10	2.31
ZZ103465		0.40	0.007	<0.2	1.91	14	<10	200	<0.5	2	0.38	<0.5	6	25	12	2.28
ZZ104001		0.32	0.008	0.2	1.68	13	<10	150	<0.5	2	0.28	<0.5	7	24	15	2.19
ZZ104002		0.30	0.010	0.3	1.83	21	<10	310	0.5	<2	0.31	<0.5	7	25	17	2.40
ZZ104003		0.18	0.005	0.4	1.80	14	<10	260	0.5	2	0.39	<0.5	7	23	20	2.36
ZZ104004		0.28	0.006	<0.2	1.97	19	<10	310	0.7	2	0.40	<0.5	14	31	13	3.32
ZZ104005		0.26	<0.005	0.2	2.23	14	<10	160	0.5	2	0.27	<0.5	8	32	16	2.68
ZZ104006		0.28	<0.005	<0.2	1.37	9	<10	120	<0.5	<2	0.22	<0.5	5	24	15	2.28
ZZ104007		0.24	<0.005	0.2	1.33	10	<10	250	<0.5	<2	0.21	<0.5	5	21	16	2.20
ZZ104008		0.32	<0.005	<0.2	1.53	11	<10	170	0.5	2	0.24	<0.5	7	21	15	2.03
ZZ104009		0.32	<0.005	<0.2	1.09	18	<10	260	0.6	<2	0.19	<0.5	8	19	13	2.49
ZZ104010		0.32	<0.005	<0.2	1.37	7	<10	100	<0.5	<2	0.18	<0.5	7	23	16	2.15
ZZ104011		0.36	<0.005	0.2	0.88	4	<10	190	<0.5	<2	0.26	<0.5	7	16	11	1.63
ZZ104012		0.22	<0.005	<0.2	0.30	<2	<10	80	<0.5	<2	0.18	<0.5	8	7	6	1.16
ZZ104013		0.24	<0.005	<0.2	0.92	6	<10	190	<0.5	<2	0.29	<0.5	6	15	11	1.51
ZZ104014		0.18	<0.005	0.4	1.17	4	<10	400	<0.5	2	0.33	<0.5	6	20	13	1.73
ZZ104015		0.22	0.077	0.5	1.08	59	<10	240	<0.5	<2	0.35	<0.5	7	17	14	2.33
ZZ104016		0.36	0.022	0.5	1.43	32	<10	240	0.5	<2	0.34	<0.5	6	24	22	2.49
ZZ104017		0.38	0.005	<0.2	1.07	11	<10	160	<0.5	2	0.32	<0.5	6	20	13	1.85
ZZ104018		0.32	0.013	0.4	1.55	10	<10	230	<0.5	3	0.30	<0.5	5	20	21	1.83
ZZ104019		0.34	0.008	0.3	0.86	6	<10	150	<0.5	<2	0.25	<0.5	9	14	10	2.17
ZZ104020		0.26	0.015	0.6	1.44	23	<10	170	<0.5	2	0.25	<0.5	5	20	19	2.94
ZZ104021		0.38	0.008	0.3	1.29	21	<10	200	<0.5	<2	0.37	<0.5	6	19	18	2.58

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

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Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103447		<10	<1	0.09	10	0.24	709	1	0.02	11	700	12	0.03	2	4	28
ZZ103448		10	<1	0.18	20	0.57	607	<1	0.02	11	690	13	0.02	<2	5	33
ZZ103449		10	<1	0.13	10	0.65	670	<1	0.02	16	650	16	0.03	<2	5	34
ZZ103450		10	<1	0.10	10	0.52	455	1	0.02	15	610	11	0.03	<2	3	25
ZZ103451		10	<1	0.19	20	0.66	623	1	0.03	16	600	12	0.02	<2	7	35
ZZ103452		10	<1	0.11	10	0.52	177	<1	0.02	11	570	9	0.02	<2	3	24
ZZ103453		10	<1	0.08	10	0.46	289	<1	0.02	11	550	11	0.03	<2	3	23
ZZ103454		<10	<1	0.08	10	0.42	229	<1	0.02	12	600	10	0.02	<2	3	19
ZZ103455		10	<1	0.08	10	0.49	342	<1	0.02	12	530	13	0.02	<2	3	20
ZZ103456		10	<1	0.07	10	0.44	224	<1	0.02	11	570	20	0.02	<2	4	22
ZZ103457		10	<1	0.06	10	0.41	207	<1	0.02	9	650	11	0.02	<2	3	20
ZZ103458		10	<1	0.09	20	0.39	581	1	0.02	13	880	13	0.05	<2	2	28
ZZ103459		<10	<1	0.09	20	0.36	599	1	0.02	11	880	13	0.04	<2	2	28
ZZ103460		10	<1	0.11	10	0.59	350	1	0.03	14	590	35	0.03	<2	4	29
ZZ103461		10	<1	0.08	10	0.51	207	<1	0.02	12	660	13	0.03	<2	4	27
ZZ103462		10	<1	0.08	10	0.53	248	<1	0.02	11	550	15	0.01	<2	4	24
ZZ103463		10	<1	0.10	20	0.51	240	1	0.02	13	630	25	0.02	<2	4	20
ZZ103464		<10	<1	0.08	10	0.40	462	1	0.02	10	400	15	0.02	<2	3	23
ZZ103465		10	<1	0.09	10	0.49	281	<1	0.02	12	710	10	0.02	<2	4	24
ZZ104001		10	<1	0.12	10	0.46	364	1	0.02	14	590	12	0.02	<2	4	19
ZZ104002		10	<1	0.10	10	0.47	426	1	0.02	14	510	16	0.02	<2	4	23
ZZ104003		10	<1	0.10	10	0.43	371	1	0.03	14	610	14	0.04	<2	4	30
ZZ104004		10	<1	0.19	20	0.67	881	1	0.03	18	660	15	0.02	<2	7	29
ZZ104005		10	<1	0.11	10	0.59	390	1	0.02	17	560	12	0.04	<2	3	20
ZZ104006		10	<1	0.08	10	0.39	249	1	0.02	12	620	17	0.05	<2	2	18
ZZ104007		10	<1	0.08	10	0.33	358	1	0.02	12	690	13	0.08	<2	2	19
ZZ104008		<10	<1	0.08	10	0.42	537	1	0.02	15	540	20	0.03	<2	2	16
ZZ104009		<10	<1	0.09	10	0.31	1825	1	0.01	11	670	16	0.04	2	2	15
ZZ104010		10	<1	0.07	10	0.41	461	1	0.02	14	630	14	0.05	<2	1	16
ZZ104011		<10	<1	0.06	10	0.26	449	1	0.03	8	580	6	0.05	<2	2	20
ZZ104012		<10	<1	0.02	<10	0.08	499	<1	0.04	3	530	3	0.03	<2	1	14
ZZ104013		<10	<1	0.06	10	0.28	465	1	0.03	9	510	7	0.03	<2	2	24
ZZ104014		10	<1	0.05	10	0.33	808	1	0.03	10	670	10	0.05	<2	1	31
ZZ104015		<10	<1	0.07	10	0.34	478	1	0.02	9	780	54	0.04	<2	2	24
ZZ104016		<10	<1	0.09	10	0.40	468	2	0.02	14	860	47	0.02	<2	3	21
ZZ104017		<10	<1	0.07	10	0.40	296	1	0.02	11	720	15	0.01	<2	3	17
ZZ104018		10	<1	0.07	10	0.63	197	1	0.02	8	780	32	0.03	<2	4	18
ZZ104019		<10	<1	0.05	10	0.31	1025	<1	0.02	7	640	10	0.01	<2	2	14
ZZ104020		10	<1	0.06	10	0.46	358	1	0.02	8	740	25	0.04	<2	3	18
ZZ104021		<10	<1	0.09	10	0.56	257	1	0.02	10	660	17	0.01	<2	4	25

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

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Finalized Date: 14-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103447		<20	0.03	<10	<10	56	<10	58
ZZ103448		<20	0.08	<10	<10	60	<10	60
ZZ103449		<20	0.08	<10	<10	65	<10	64
ZZ103450		<20	0.08	<10	<10	60	<10	56
ZZ103451		<20	0.11	<10	<10	70	<10	63
ZZ103452		<20	0.08	<10	<10	47	<10	49
ZZ103453		<20	0.05	<10	<10	41	<10	55
ZZ103454		<20	0.06	<10	<10	44	<10	52
ZZ103455		<20	0.07	<10	<10	53	<10	58
ZZ103456		<20	0.06	<10	<10	51	<10	54
ZZ103457		<20	0.06	<10	<10	51	<10	39
ZZ103458		<20	0.06	<10	<10	54	<10	53
ZZ103459		<20	0.06	<10	<10	55	<10	57
ZZ103460		<20	0.08	<10	<10	57	<10	76
ZZ103461		<20	0.07	<10	<10	53	<10	50
ZZ103462		<20	0.07	<10	<10	48	<10	61
ZZ103463		<20	0.06	<10	<10	57	<10	66
ZZ103464		<20	0.06	<10	<10	51	<10	57
ZZ103465		<20	0.08	<10	<10	55	<10	53
ZZ104001		<20	0.08	<10	<10	50	<10	57
ZZ104002		<20	0.06	<10	<10	54	<10	66
ZZ104003		<20	0.07	<10	<10	55	<10	56
ZZ104004		<20	0.07	<10	<10	74	<10	54
ZZ104005		<20	0.09	<10	<10	61	<10	65
ZZ104006		<20	0.06	<10	<10	55	<10	50
ZZ104007		<20	0.05	<10	<10	51	<10	72
ZZ104008		<20	0.07	<10	<10	43	<10	64
ZZ104009		<20	0.04	<10	<10	39	<10	77
ZZ104010		<20	0.05	<10	<10	50	<10	55
ZZ104011		<20	0.05	<10	<10	39	<10	44
ZZ104012		<20	0.06	<10	<10	41	<10	22
ZZ104013		<20	0.05	<10	<10	37	<10	41
ZZ104014		<20	0.05	<10	<10	50	<10	49
ZZ104015		<20	0.04	<10	<10	56	<10	74
ZZ104016		<20	0.05	<10	<10	50	<10	100
ZZ104017		<20	0.08	<10	<10	47	<10	55
ZZ104018		<20	0.11	<10	<10	72	<10	80
ZZ104019		<20	0.09	<10	<10	57	<10	54
ZZ104020		<20	0.08	<10	<10	61	<10	62
ZZ104021		<20	0.09	<10	<10	72	<10	72

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

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ104022		0.30	0.015	0.5	1.49	55	<10	190	<0.5	<2	0.34	<0.5	9	18	24	2.36
ZZ104023		0.22	0.006	0.3	0.95	6	<10	90	<0.5	<2	0.31	<0.5	6	11	34	1.81
ZZ104024		0.46	0.008	0.6	1.35	16	<10	170	<0.5	<2	0.29	<0.5	6	19	49	2.00
ZZ104025		0.30	0.013	0.8	1.70	22	<10	310	<0.5	<2	0.43	<0.5	6	20	32	2.31
ZZ104026		0.34	0.066	0.9	1.21	138	<10	280	<0.5	<2	0.35	1.1	7	22	35	2.80
ZZ104027		0.24	0.006	<0.2	1.18	21	<10	70	<0.5	<2	0.17	<0.5	4	19	11	2.19
ZZ104028		0.36	0.015	<0.2	0.87	10	<10	70	<0.5	<2	0.16	<0.5	4	15	12	1.70
ZZ104029		0.22	0.005	<0.2	1.43	12	<10	70	<0.5	<2	0.20	<0.5	4	20	9	2.10
ZZ104030		0.36	0.014	0.5	1.94	37	<10	280	0.6	<2	0.35	<0.5	11	28	25	3.13
ZZ104031		0.28	<0.005	0.4	1.50	15	<10	120	<0.5	2	0.19	<0.5	7	24	15	2.55
ZZ104032		0.38	0.011	0.3	1.59	15	<10	120	<0.5	2	0.32	<0.5	10	18	36	2.50
ZZ104033		0.24	0.035	2.9	1.27	46	<10	300	<0.5	2	0.33	0.8	7	14	19	2.44
ZZ104034		0.34	0.008	0.3	1.08	22	<10	460	0.8	3	0.63	<0.5	5	15	20	2.52
ZZ104035		0.26	0.014	0.5	1.62	34	<10	390	0.7	2	1.04	<0.5	11	25	22	3.09
ZZ104036		0.42	0.016	0.7	1.41	34	<10	180	0.5	2	0.41	<0.5	8	17	14	2.69
ZZ104037		0.22	0.009	2.0	1.95	29	<10	210	0.6	<2	0.40	<0.5	11	29	19	2.72
ZZ104038		0.30	0.008	0.2	1.05	6	<10	130	<0.5	2	0.23	<0.5	5	17	12	1.72
ZZ104039		0.22	0.005	0.6	1.25	37	<10	180	0.6	2	0.61	<0.5	5	15	24	2.12
ZZ104040		0.34	0.007	<0.2	1.38	12	<10	190	0.5	2	0.28	<0.5	8	21	14	2.76
ZZ104041		0.34	0.005	<0.2	0.90	25	<10	360	0.7	2	0.35	<0.5	7	12	11	2.12
ZZ104042		0.18	<0.005	<0.2	1.22	6	<10	160	<0.5	<2	0.42	<0.5	7	15	18	2.03
ZZ104043		0.24	0.016	<0.2	1.55	11	<10	110	<0.5	2	0.27	<0.5	9	26	16	2.93
ZZ104044		0.28	<0.005	<0.2	1.34	10	<10	120	<0.5	3	0.24	<0.5	7	21	13	2.34
ZZ104045		0.36	<0.005	<0.2	1.57	20	<10	200	0.9	2	0.40	<0.5	10	18	14	3.75
ZZ104046		0.34	0.008	<0.2	1.50	7	<10	130	<0.5	<2	0.33	<0.5	8	23	20	2.47
ZZ104047		0.36	0.010	<0.2	1.42	7	<10	90	<0.5	<2	0.23	<0.5	8	23	20	1.86
ZZ104048		0.32	<0.005	<0.2	1.20	4	<10	90	<0.5	<2	0.35	<0.5	7	22	15	2.02
ZZ104049		0.32	0.016	<0.2	1.31	13	<10	160	0.5	<2	0.19	<0.5	8	23	13	2.83
ZZ104050		0.26	0.007	<0.2	1.30	13	<10	160	0.6	<2	0.38	<0.5	9	23	21	2.56
ZZ104051		0.24	<0.005	<0.2	1.84	9	<10	170	<0.5	<2	0.31	<0.5	10	27	24	2.42
ZZ104052		0.26	0.005	<0.2	1.39	39	<10	290	0.7	<2	0.48	<0.5	10	26	22	2.88
ZZ104053		0.16	<0.005	<0.2	1.33	48	<10	270	0.7	<2	0.39	<0.5	7	17	25	2.89
ZZ104054		0.32	<0.005	<0.2	1.01	60	<10	410	1.2	<2	0.38	1.0	14	20	19	4.58
ZZ104055		0.32	0.008	<0.2	1.21	11	<10	170	<0.5	<2	0.34	<0.5	7	20	12	2.20
ZZ104056		0.34	<0.005	<0.2	1.04	9	<10	110	<0.5	<2	0.34	<0.5	6	17	13	1.68
ZZ104057		0.44	0.006	0.2	1.21	28	<10	290	0.6	<2	0.44	<0.5	8	16	14	2.58
ZZ104058		0.32	<0.005	0.2	1.57	15	<10	190	0.5	<2	0.36	<0.5	9	22	20	2.17
ZZ104059		0.26	0.008	0.3	1.41	20	<10	140	<0.5	<2	0.26	<0.5	8	20	26	2.14
ZZ104060		0.22	<0.005	0.2	1.39	14	<10	280	0.5	<2	0.46	<0.5	7	21	15	2.17
ZZ104061		0.28	<0.005	<0.2	1.47	14	<10	110	<0.5	<2	0.22	<0.5	7	22	13	2.22

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ104022		<10	<1	0.06	10	0.49	735	1	0.02	11	590	32	0.03	<2	4	25
ZZ104023		<10	<1	0.03	10	0.25	250	2	0.03	6	940	8	0.05	<2	2	21
ZZ104024		10	<1	0.06	10	0.47	320	1	0.02	11	400	21	0.02	<2	3	23
ZZ104025		10	<1	0.08	10	0.63	316	1	0.02	12	430	32	0.02	<2	5	33
ZZ104026		<10	<1	0.07	10	0.51	960	4	0.02	11	330	106	0.02	2	5	30
ZZ104027		10	<1	0.05	10	0.27	168	1	0.01	9	380	17	0.01	<2	2	12
ZZ104028		<10	<1	0.04	10	0.20	172	1	0.02	7	440	12	0.02	<2	1	14
ZZ104029		10	<1	0.05	10	0.25	132	1	0.01	10	330	14	0.02	<2	2	14
ZZ104030		10	<1	0.10	10	0.56	677	1	0.02	18	880	48	0.04	<2	5	24
ZZ104031		10	<1	0.06	10	0.41	445	1	0.01	14	570	23	0.05	<2	2	18
ZZ104032		<10	<1	0.08	10	0.56	627	1	0.02	12	680	21	0.02	<2	4	20
ZZ104033		<10	<1	0.08	10	0.38	580	1	0.02	8	730	97	0.06	3	2	19
ZZ104034		<10	<1	0.12	20	0.31	371	<1	0.02	9	840	23	0.03	<2	5	31
ZZ104035		10	<1	0.12	20	0.55	1075	1	0.02	15	940	26	0.08	3	8	32
ZZ104036		<10	<1	0.11	10	0.50	405	<1	0.01	8	760	33	0.02	6	5	16
ZZ104037		10	<1	0.07	10	0.51	702	1	0.02	15	1320	24	0.09	<2	3	24
ZZ104038		<10	<1	0.04	10	0.32	360	<1	0.02	9	650	10	0.06	<2	2	15
ZZ104039		<10	<1	0.06	20	0.25	1270	1	0.02	8	1240	12	0.11	<2	3	26
ZZ104040		<10	<1	0.08	10	0.40	783	1	0.02	13	700	14	0.03	<2	3	18
ZZ104041		<10	<1	0.11	10	0.31	1460	1	0.01	7	560	31	0.01	6	3	26
ZZ104042		<10	<1	0.04	10	0.30	602	1	0.02	9	1070	9	0.08	<2	2	28
ZZ104043		10	<1	0.06	10	0.49	601	1	0.01	15	820	11	0.03	<2	3	17
ZZ104044		10	<1	0.05	10	0.44	623	1	0.01	12	700	8	0.03	<2	2	16
ZZ104045		<10	<1	0.10	10	0.47	1380	1	0.02	11	880	21	0.04	6	7	26
ZZ104046		<10	<1	0.07	10	0.50	495	<1	0.01	14	920	8	0.03	<2	3	24
ZZ104047		<10	1	0.07	10	0.44	277	1	0.01	16	520	5	0.02	<2	3	16
ZZ104048		<10	<1	0.06	10	0.42	215	<1	0.01	13	880	4	0.02	<2	2	22
ZZ104049		<10	<1	0.06	10	0.49	778	<1	<0.01	13	600	25	0.03	3	4	14
ZZ104050		<10	<1	0.07	20	0.46	684	<1	0.01	15	830	16	0.02	3	5	22
ZZ104051		10	<1	0.07	10	0.53	606	1	0.01	17	860	8	0.05	<2	3	26
ZZ104052		<10	<1	0.08	20	0.38	903	<1	0.01	17	910	15	0.07	4	5	29
ZZ104053		<10	<1	0.08	10	0.27	624	1	0.01	10	920	17	0.06	3	2	24
ZZ104054		<10	<1	0.11	30	0.30	1360	<1	<0.01	14	600	28	0.03	6	10	19
ZZ104055		<10	<1	0.06	10	0.42	549	<1	0.01	12	760	11	0.02	3	3	22
ZZ104056		<10	<1	0.05	10	0.33	289	1	0.01	11	620	7	0.03	<2	2	18
ZZ104057		<10	<1	0.08	20	0.39	711	<1	0.01	10	670	18	0.04	5	4	24
ZZ104058		<10	<1	0.06	10	0.38	891	1	0.03	11	1080	13	0.08	<2	2	25
ZZ104059		<10	<1	0.07	10	0.39	461	<1	0.01	12	690	16	0.03	2	2	20
ZZ104060		<10	<1	0.08	10	0.44	545	<1	0.01	12	840	15	0.05	<2	3	26
ZZ104061		10	<1	0.06	10	0.40	353	1	0.01	12	580	15	0.03	3	2	17

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

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ104022		<20	0.06	<10	<10	52	<10	63
ZZ104023		<20	0.08	<10	<10	55	<10	34
ZZ104024		<20	0.08	<10	<10	50	<10	68
ZZ104025		<20	0.08	<10	<10	58	<10	88
ZZ104026		<20	0.06	<10	<10	59	<10	220
ZZ104027		<20	0.09	<10	<10	66	<10	44
ZZ104028		<20	0.07	<10	<10	50	<10	47
ZZ104029		<20	0.09	<10	<10	61	<10	63
ZZ104030		<20	0.06	<10	<10	70	<10	112
ZZ104031		<20	0.06	<10	<10	65	<10	94
ZZ104032		<20	0.04	<10	<10	54	<10	48
ZZ104033		<20	0.03	<10	<10	54	<10	151
ZZ104034		<20	0.02	<10	<10	44	<10	71
ZZ104035		<20	0.03	<10	<10	61	<10	92
ZZ104036		<20	0.02	<10	<10	56	<10	87
ZZ104037		<20	0.03	<10	<10	62	<10	86
ZZ104038		<20	0.04	<10	<10	46	<10	41
ZZ104039		<20	0.03	<10	<10	51	<10	47
ZZ104040		<20	0.04	<10	<10	55	<10	67
ZZ104041		<20	0.01	<10	<10	41	<10	103
ZZ104042		<20	0.04	<10	<10	55	<10	40
ZZ104043		<20	0.06	<10	<10	71	<10	63
ZZ104044		<20	0.04	<10	<10	57	<10	47
ZZ104045		<20	0.02	<10	<10	73	<10	110
ZZ104046		<20	0.06	<10	<10	60	<10	52
ZZ104047		<20	0.08	<10	<10	43	<10	46
ZZ104048		<20	0.09	<10	<10	55	<10	42
ZZ104049		<20	0.03	<10	<10	62	<10	67
ZZ104050		<20	0.04	<10	<10	57	<10	55
ZZ104051		<20	0.06	<10	<10	57	<10	54
ZZ104052		<20	0.02	<10	<10	57	<10	82
ZZ104053		<20	0.02	<10	<10	52	<10	67
ZZ104054		<20	0.01	<10	<10	66	<10	195
ZZ104055		<20	0.04	<10	<10	51	<10	57
ZZ104056		<20	0.05	<10	<10	38	<10	40
ZZ104057		<20	0.03	<10	<10	52	<10	88
ZZ104058		<20	0.04	<10	<10	52	<10	46
ZZ104059		<20	0.05	<10	<10	50	<10	53
ZZ104060		<20	0.03	<10	<10	47	<10	66
ZZ104061		<20	0.06	<10	<10	52	<10	52

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CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ104062		0.22	0.011	0.6	1.48	24	<10	220	0.5	<2	0.37	<0.5	9	22	18	2.38
ZZ104063		0.30	<0.005	<0.2	1.50	26	<10	280	0.8	<2	0.41	<0.5	13	27	17	3.42
ZZ104064		0.38	0.026	1.8	1.44	112	<10	460	0.8	<2	0.53	4.0	39	22	22	3.67
ZZ104065		0.26	<0.005	<0.2	1.13	14	<10	80	<0.5	<2	0.13	<0.5	5	22	11	2.55
ZZ104066		0.26	0.005	<0.2	1.49	12	<10	120	<0.5	<2	0.21	<0.5	7	26	16	2.75
ZZ104067		0.26	<0.005	<0.2	1.58	16	<10	170	<0.5	<2	0.20	<0.5	8	25	15	2.51
ZZ104068		0.32	0.027	1.0	1.67	66	<10	150	<0.5	<2	0.22	<0.5	8	21	26	2.71
ZZ104069		0.26	0.012	0.2	1.79	34	<10	140	<0.5	<2	0.21	<0.5	9	25	23	2.62
ZZ104070		0.38	0.007	0.2	2.02	30	<10	220	0.6	<2	0.35	<0.5	9	29	18	3.00
ZZ104071		0.20	<0.005	<0.2	1.51	15	<10	140	<0.5	<2	0.34	<0.5	8	21	15	2.22
ZZ104072		0.28	<0.005	<0.2	1.36	20	<10	100	<0.5	<2	0.24	0.8	8	18	11	2.65
ZZ104073		0.28	<0.005	<0.2	1.55	12	<10	100	<0.5	<2	0.19	<0.5	7	25	13	2.49
ZZ104074		0.28	0.009	0.2	1.19	22	<10	220	0.5	<2	0.31	0.9	8	18	12	2.37
ZZ104075		0.24	<0.005	<0.2	1.24	10	<10	100	<0.5	<2	0.16	<0.5	5	21	17	2.16
ZZ104076		0.28	0.005	<0.2	2.06	20	<10	90	0.5	<2	0.18	<0.5	8	29	16	2.84
ZZ104077		0.26	0.033	<0.2	1.34	37	<10	230	0.7	<2	0.32	0.6	13	12	8	3.85
ZZ104078		0.28	<0.005	0.3	1.22	21	<10	140	<0.5	<2	0.19	0.5	6	19	16	2.06
ZZ104079		0.28	0.047	4.5	1.18	25	<10	240	0.5	<2	0.36	<0.5	5	16	18	1.96
ZZ104080		0.36	0.006	0.2	1.33	25	<10	170	0.5	<2	0.31	<0.5	10	20	17	2.77
ZZ104081		0.36	0.005	0.3	1.30	15	<10	120	<0.5	<2	0.23	<0.5	6	21	15	2.08
ZZ104082		0.44	0.007	0.2	1.28	13	<10	170	0.5	<2	0.42	<0.5	8	20	18	2.46
ZZ104083		0.22	<0.005	0.2	1.38	12	<10	170	<0.5	<2	0.40	<0.5	7	21	16	2.11
ZZ104084		0.26	<0.005	<0.2	1.68	13	<10	240	0.6	<2	0.49	<0.5	8	17	31	2.12
ZZ104085		0.20	0.404	<0.2	1.22	8	<10	80	<0.5	<2	0.19	<0.5	3	16	10	1.97
ZZ104086		0.30	0.006	<0.2	1.22	9	<10	120	<0.5	<2	0.21	<0.5	6	20	12	2.30
ZZ104087		0.26	<0.005	<0.2	1.13	9	<10	60	<0.5	<2	0.15	<0.5	4	17	11	2.06
ZZ104088		0.20	<0.005	<0.2	1.43	7	<10	100	<0.5	<2	0.18	<0.5	7	18	14	1.75
ZZ104089		0.20	<0.005	0.2	0.93	23	<10	110	<0.5	<2	0.50	0.7	4	13	11	1.58
ZZ104090		0.30	0.021	0.4	1.59	99	<10	280	0.6	<2	0.82	0.8	8	24	24	2.42
ZZ104091		0.28	0.042	0.6	1.42	179	<10	280	0.6	<2	1.03	1.2	8	19	29	2.93
ZZ104092		0.44	0.171	1.6	1.09	284	<10	190	0.5	2	0.56	2.3	14	17	25	3.23
ZZ104093		0.28	0.171	1.4	1.01	467	<10	260	0.6	<2	0.69	6.9	11	19	34	3.94
ZZ104094		0.36	0.032	0.4	1.28	42	<10	260	0.6	<2	0.52	1.0	8	22	27	2.98
ZZ104095		0.26	0.016	0.2	1.45	26	<10	180	0.5	<2	0.41	<0.5	10	19	29	3.30
ZZ104096		0.28	0.011	<0.2	1.78	23	<10	200	<0.5	<2	0.29	<0.5	8	25	16	2.58
ZZ104097		0.26	0.005	<0.2	1.50	17	<10	120	<0.5	<2	0.26	<0.5	12	24	20	2.54
ZZ104098		0.22	0.052	<0.2	1.60	42	<10	140	<0.5	<2	0.24	<0.5	13	24	19	2.80
ZZ104099		0.26	0.007	0.2	1.85	24	<10	130	<0.5	<2	0.25	0.5	9	26	15	2.49
ZZ104100		0.28	0.085	0.6	1.49	206	<10	140	0.5	<2	0.28	1.2	9	23	19	2.84
ZZ104101		0.32	0.019	0.4	1.63	67	<10	170	<0.5	<2	0.40	<0.5	8	23	17	2.52

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

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ104062		<10	<1	0.07	20	0.47	543	<1	0.01	11	830	22	0.04	4	4	22
ZZ104063		<10	1	0.11	20	0.46	837	1	0.01	14	980	24	0.04	2	7	24
ZZ104064		<10	<1	0.10	20	0.53	1545	<1	<0.01	13	890	872	0.04	10	8	26
ZZ104065		10	<1	0.07	10	0.31	236	1	<0.01	10	400	13	0.03	2	2	13
ZZ104066		10	<1	0.06	10	0.44	371	1	<0.01	14	490	13	0.04	<2	2	17
ZZ104067		10	<1	0.08	10	0.42	393	1	<0.01	14	520	17	0.05	<2	2	18
ZZ104068		10	<1	0.09	10	0.46	481	1	<0.01	12	600	58	0.04	6	3	18
ZZ104069		10	<1	0.08	10	0.47	468	1	0.01	14	790	31	0.06	<2	2	18
ZZ104070		10	<1	0.09	20	0.60	486	1	0.01	18	630	25	0.04	<2	3	23
ZZ104071		10	<1	0.09	10	0.43	380	1	0.01	13	720	12	0.06	3	1	26
ZZ104072		<10	<1	0.09	10	0.42	538	1	0.01	10	790	27	0.05	3	2	17
ZZ104073		10	<1	0.08	10	0.44	307	1	<0.01	15	520	10	0.03	<2	2	15
ZZ104074		<10	1	0.09	20	0.40	779	1	<0.01	12	690	40	0.02	3	4	18
ZZ104075		10	<1	0.05	10	0.28	237	1	<0.01	11	470	10	0.04	<2	1	15
ZZ104076		10	<1	0.08	10	0.55	492	1	<0.01	16	550	14	0.03	2	3	15
ZZ104077		<10	<1	0.11	10	0.45	1060	<1	<0.01	9	970	26	0.03	14	4	17
ZZ104078		<10	1	0.07	10	0.33	386	1	<0.01	10	560	30	0.03	<2	2	16
ZZ104079		<10	<1	0.06	20	0.25	555	1	0.01	9	1220	35	0.11	4	2	21
ZZ104080		<10	<1	0.08	10	0.50	744	<1	0.01	14	740	41	0.02	5	4	20
ZZ104081		<10	<1	0.06	10	0.41	385	1	<0.01	11	740	10	0.05	3	3	16
ZZ104082		<10	<1	0.06	10	0.40	565	1	0.01	12	710	13	0.04	<2	4	21
ZZ104083		<10	<1	0.06	10	0.46	319	<1	0.01	12	670	17	0.05	4	3	23
ZZ104084		10	1	0.06	10	0.36	603	1	0.02	11	1000	11	0.07	<2	3	28
ZZ104085		10	<1	0.05	10	0.19	137	1	0.01	7	460	15	0.05	<2	1	19
ZZ104086		10	<1	0.05	10	0.31	279	1	0.01	10	320	19	0.02	<2	2	17
ZZ104087		10	<1	0.05	10	0.23	153	1	0.01	8	410	7	0.03	<2	1	14
ZZ104088		<10	<1	0.04	10	0.27	471	1	0.01	9	740	6	0.07	<2	1	17
ZZ104089		<10	<1	0.06	10	0.22	355	1	0.01	7	560	16	0.06	<2	1	20
ZZ104090		<10	<1	0.09	10	0.48	609	1	0.01	14	1210	47	0.10	2	4	33
ZZ104091		<10	<1	0.10	10	0.44	586	1	0.01	12	1000	61	0.09	4	5	37
ZZ104092		<10	<1	0.11	20	0.39	544	<1	0.01	10	690	189	0.04	7	6	23
ZZ104093		<10	<1	0.09	10	0.32	1425	1	0.01	13	760	380	0.08	12	5	33
ZZ104094		<10	<1	0.08	20	0.43	605	<1	0.01	14	850	44	0.04	4	5	27
ZZ104095		<10	<1	0.09	10	0.43	856	1	0.01	11	750	27	0.03	8	4	25
ZZ104096		<10	<1	0.09	10	0.54	394	1	0.01	16	650	14	0.03	<2	4	21
ZZ104097		10	<1	0.07	10	0.41	353	1	0.01	14	810	15	0.06	2	1	22
ZZ104098		10	<1	0.08	10	0.43	438	1	0.01	14	740	22	0.05	4	2	20
ZZ104099		10	1	0.08	10	0.48	292	1	0.01	15	500	19	0.04	<2	2	20
ZZ104100		10	<1	0.09	10	0.43	609	1	0.01	13	790	208	0.04	2	2	21
ZZ104101		<10	<1	0.09	10	0.49	474	1	0.01	14	730	54	0.05	2	2	25

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

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C/O ARCHER, CATHRO AND ASSOCIATES
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102821

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ104062		<20	0.03	<10	<10	51	<10	69
ZZ104063		<20	0.03	<10	<10	65	<10	73
ZZ104064		<20	0.02	<10	<10	96	<10	523
ZZ104065		<20	0.09	<10	<10	74	<10	58
ZZ104066		<20	0.07	<10	<10	67	<10	58
ZZ104067		<20	0.07	<10	<10	62	<10	58
ZZ104068		<20	0.05	<10	<10	60	<10	129
ZZ104069		<20	0.05	<10	<10	61	<10	76
ZZ104070		<20	0.06	<10	<10	64	<10	87
ZZ104071		<20	0.05	<10	<10	52	<10	48
ZZ104072		<20	0.04	<10	<10	58	<10	84
ZZ104073		<20	0.07	<10	<10	57	<10	47
ZZ104074		<20	0.03	<10	<10	45	<10	113
ZZ104075		<20	0.06	<10	<10	59	<10	40
ZZ104076		<20	0.06	<10	<10	64	<10	57
ZZ104077		<20	0.02	<10	<10	78	<10	72
ZZ104078		<20	0.05	<10	<10	48	<10	69
ZZ104079		<20	0.02	<10	<10	41	<10	92
ZZ104080		<20	0.05	<10	<10	55	<10	86
ZZ104081		<20	0.04	<10	<10	45	<10	50
ZZ104082		<20	0.04	<10	<10	53	<10	62
ZZ104083		<20	0.04	<10	<10	49	<10	58
ZZ104084		<20	0.04	<10	<10	48	<10	51
ZZ104085		<20	0.05	<10	<10	51	<10	32
ZZ104086		<20	0.08	<10	<10	63	<10	44
ZZ104087		<20	0.07	<10	<10	60	<10	33
ZZ104088		<20	0.04	<10	<10	41	<10	34
ZZ104089		<20	0.04	<10	<10	39	<10	50
ZZ104090		<20	0.03	<10	<10	52	<10	101
ZZ104091		<20	0.03	<10	<10	51	<10	151
ZZ104092		<20	0.03	<10	<10	49	<10	263
ZZ104093		<20	0.02	<10	<10	54	<10	611
ZZ104094		<20	0.04	<10	<10	57	<10	111
ZZ104095		<20	0.04	<10	<10	62	<10	107
ZZ104096		<20	0.06	<10	<10	55	<10	57
ZZ104097		<20	0.05	<10	<10	59	<10	46
ZZ104098		<20	0.04	<10	<10	63	<10	55
ZZ104099		<20	0.07	<10	<10	56	<10	55
ZZ104100		<20	0.05	<10	<10	56	<10	166
ZZ104101		<20	0.05	<10	<10	56	<10	78

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

ALS Canada Ltd.

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

Project: Klaza

Finalized Date: 14-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16102821

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA24	LOG-22	ME-ICP41	SCR-41
WEI-21			

ALS Canada Ltd.

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

CERTIFICATE VA16102823

Project: Klaza

This report is for 200 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91724		0.18	0.008	0.2	1.41	14	<10	370	<0.5	<2	0.45	<0.5	6	19	26	2.34
ZZ91725		0.26	0.005	<0.2	2.05	18	<10	610	0.8	<2	0.37	<0.5	9	26	25	3.08
ZZ91726		0.18	<0.005	<0.2	1.54	17	<10	220	<0.5	<2	0.24	<0.5	8	26	14	3.15
ZZ91727		0.24	0.005	0.2	1.09	23	<10	630	1.2	<2	0.44	<0.5	15	21	23	4.16
ZZ91728		0.24	0.006	0.2	1.13	29	<10	400	1.2	<2	0.48	<0.5	7	16	17	2.73
ZZ91729		0.22	0.025	1.1	1.13	64	<10	920	1.1	2	0.57	1.2	18	17	26	3.50
ZZ91730		0.18	<0.005	<0.2	0.87	11	<10	610	0.7	<2	0.45	<0.5	7	11	8	2.17
ZZ91731		0.32	0.005	0.2	1.18	13	<10	550	0.8	<2	0.74	0.5	9	16	16	3.04
ZZ91732		0.20	0.010	<0.2	1.18	9	<10	260	0.5	<2	0.55	<0.5	6	16	12	2.17
ZZ91733		0.28	0.006	<0.2	0.93	9	<10	160	<0.5	<2	0.39	<0.5	6	17	10	1.63
ZZ91734		0.24	0.005	<0.2	1.56	8	<10	170	<0.5	<2	0.28	<0.5	7	22	14	2.19
ZZ91735		0.24	0.006	0.2	1.47	10	<10	320	0.5	<2	0.37	<0.5	7	22	11	2.26
ZZ91736		0.24	0.005	<0.2	1.44	10	<10	270	<0.5	<2	0.45	<0.5	8	21	9	2.61
ZZ91737		0.20	<0.005	<0.2	1.17	9	<10	160	0.6	<2	0.38	<0.5	9	32	9	2.55
ZZ91738		0.30	<0.005	<0.2	1.14	12	<10	160	<0.5	<2	0.33	<0.5	6	17	6	2.30
ZZ91739		0.24	0.005	<0.2	1.24	13	<10	190	0.5	<2	0.30	<0.5	6	20	12	2.10
ZZ91740		0.32	0.024	<0.2	1.04	6	<10	140	<0.5	<2	0.35	<0.5	4	18	8	1.58
ZZ91781		0.18	0.006	0.5	1.32	10	<10	320	<0.5	<2	0.51	<0.5	9	14	25	1.89
ZZ91782		0.36	0.010	0.6	1.65	17	<10	260	<0.5	<2	0.36	<0.5	8	21	30	2.43
ZZ91783		0.38	0.010	0.3	1.49	14	<10	210	<0.5	<2	0.31	<0.5	8	20	25	2.42
ZZ91784		0.18	<0.005	0.3	0.54	5	<10	70	<0.5	<2	0.23	<0.5	5	8	10	1.33
ZZ91785		0.26	0.012	0.8	1.51	18	<10	290	<0.5	<2	0.48	<0.5	9	15	34	2.29
ZZ91786		0.26	0.020	1.1	1.55	26	<10	290	<0.5	<2	0.41	<0.5	8	17	34	2.90
ZZ91787		0.36	0.005	0.3	1.47	8	<10	300	<0.5	<2	0.41	<0.5	8	17	30	2.52
ZZ91788		0.18	0.014	0.4	1.76	9	<10	290	<0.5	<2	0.33	<0.5	7	20	23	2.09
ZZ91789		0.16	0.013	0.3	1.49	58	<10	220	<0.5	<2	0.30	<0.5	6	18	14	2.48
ZZ91790		0.26	0.005	0.2	1.17	11	<10	200	<0.5	<2	0.28	<0.5	4	16	13	1.47
ZZ91791		0.52	0.006	0.2	1.09	7	<10	180	<0.5	<2	0.27	<0.5	4	16	18	1.40
ZZ91792		0.36	0.020	0.5	1.06	62	<10	160	<0.5	<2	0.29	<0.5	8	15	12	2.01
ZZ91793		0.20	<0.005	<0.2	1.01	5	<10	100	<0.5	<2	0.31	<0.5	3	17	13	1.36
ZZ91794		0.16	<0.005	<0.2	0.70	4	<10	200	<0.5	<2	0.41	<0.5	4	8	9	1.14
ZZ91795		0.22	0.005	<0.2	1.33	4	<10	230	<0.5	<2	0.39	<0.5	5	21	26	1.20
ZZ91796		0.18	0.007	0.4	1.24	4	<10	390	<0.5	<2	0.70	<0.5	4	18	25	1.23
ZZ91797		0.22	0.008	0.3	0.72	4	<10	200	<0.5	<2	0.36	<0.5	4	11	11	1.22
ZZ91798		0.36	0.010	0.3	1.10	6	<10	270	<0.5	<2	0.33	<0.5	3	17	15	1.12
ZZ91799		0.22	0.034	1.5	1.28	25	<10	450	0.5	<2	0.56	<0.5	8	17	21	2.63
ZZ91800		0.30	0.007	0.2	1.73	9	<10	310	0.5	<2	0.46	<0.5	8	21	19	1.91
ZZ91801		0.16	0.011	0.3	1.13	10	<10	310	<0.5	<2	0.41	<0.5	5	14	14	1.71
ZZ91802		0.24	0.006	0.2	0.83	8	<10	200	<0.5	<2	0.26	<0.5	5	13	11	1.90
ZZ91803		0.18	0.009	0.4	1.46	12	<10	530	0.6	2	0.44	<0.5	7	24	16	2.14

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91724		10	<1	0.09	10	0.38	312	1	0.01	12	420	10	0.02	<2	4	21
ZZ91725		10	<1	0.14	20	0.55	475	<1	0.01	16	420	15	0.01	<2	8	22
ZZ91726		10	<1	0.09	10	0.43	611	1	0.01	14	470	88	0.02	10	3	19
ZZ91727		<10	<1	0.14	10	0.34	1195	<1	0.01	18	800	24	<0.01	5	9	27
ZZ91728		<10	<1	0.12	10	0.16	1125	<1	<0.01	12	960	16	<0.01	3	8	17
ZZ91729		<10	<1	0.12	20	0.27	3080	<1	0.01	19	870	58	0.01	7	8	20
ZZ91730		<10	<1	0.11	20	0.28	1260	<1	0.01	7	830	22	<0.01	<2	3	25
ZZ91731		<10	<1	0.13	20	0.31	1185	<1	0.01	13	1210	17	0.03	<2	8	20
ZZ91732		<10	<1	0.08	20	0.34	353	<1	0.01	9	880	19	0.03	<2	6	23
ZZ91733		<10	<1	0.07	10	0.36	411	<1	0.01	10	810	6	0.01	<2	2	19
ZZ91734		10	<1	0.07	10	0.47	311	1	0.01	13	670	11	<0.01	<2	3	20
ZZ91735		10	<1	0.08	10	0.46	566	<1	0.01	12	860	13	0.02	<2	4	21
ZZ91736		10	<1	0.08	10	0.46	522	<1	0.01	10	1040	11	0.04	<2	4	26
ZZ91737		<10	<1	0.08	10	0.41	689	<1	0.01	15	870	9	<0.01	<2	6	22
ZZ91738		<10	<1	0.08	10	0.36	350	<1	0.01	9	770	10	0.01	<2	3	18
ZZ91739		<10	<1	0.06	10	0.38	425	<1	0.01	12	730	8	0.01	<2	3	21
ZZ91740		<10	<1	0.07	10	0.37	293	<1	0.01	10	820	7	0.01	<2	3	19
ZZ91781		<10	<1	0.07	10	0.40	653	1	0.02	9	670	13	0.04	<2	3	40
ZZ91782		10	<1	0.08	10	0.54	310	1	0.01	11	780	21	0.02	<2	4	30
ZZ91783		10	<1	0.08	10	0.59	471	1	0.01	10	640	14	0.02	<2	4	24
ZZ91784		<10	<1	0.04	<10	0.20	240	<1	0.02	4	650	4	0.02	<2	1	17
ZZ91785		<10	<1	0.08	10	0.50	894	1	0.02	8	980	12	0.05	<2	5	36
ZZ91786		10	<1	0.07	10	0.55	423	1	0.01	9	790	21	0.03	<2	8	35
ZZ91787		10	<1	0.06	10	0.66	380	1	0.01	8	1240	9	0.06	<2	4	32
ZZ91788		10	<1	0.07	10	0.66	186	<1	0.01	10	650	16	0.02	<2	5	25
ZZ91789		10	<1	0.06	10	0.46	196	<1	0.01	10	590	14	0.02	<2	4	20
ZZ91790		<10	<1	0.05	10	0.36	142	<1	0.01	8	650	15	0.02	<2	2	19
ZZ91791		<10	<1	0.07	10	0.40	207	1	<0.01	12	570	14	<0.01	<2	3	17
ZZ91792		<10	<1	0.06	10	0.33	621	<1	<0.01	8	680	49	0.01	<2	2	20
ZZ91793		10	<1	0.04	10	0.32	105	<1	<0.01	8	500	8	<0.01	<2	1	18
ZZ91794		<10	<1	0.03	<10	0.17	230	<1	0.02	5	590	5	0.03	<2	1	23
ZZ91795		10	<1	0.09	10	0.40	295	<1	<0.01	12	550	14	0.01	<2	3	22
ZZ91796		<10	<1	0.08	10	0.32	274	<1	0.01	11	710	11	0.07	<2	2	36
ZZ91797		<10	<1	0.06	10	0.22	173	<1	0.01	7	630	7	0.02	<2	2	17
ZZ91798		<10	<1	0.08	10	0.33	151	<1	<0.01	9	480	19	0.02	<2	3	16
ZZ91799		<10	<1	0.08	20	0.32	664	<1	0.01	10	820	19	0.04	<2	4	27
ZZ91800		10	<1	0.08	10	0.50	561	<1	0.01	12	800	11	0.03	<2	2	26
ZZ91801		<10	<1	0.06	10	0.26	441	<1	0.01	8	770	10	0.03	<2	2	23
ZZ91802		<10	<1	0.05	10	0.24	331	<1	0.01	7	720	6	0.02	<2	1	17
ZZ91803		10	<1	0.06	10	0.35	845	1	0.01	11	1450	10	0.09	<2	2	29

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91724		<20	0.05	<10	<10	50	<10	53
ZZ91725		<20	0.04	<10	<10	62	<10	83
ZZ91726		<20	0.07	<10	<10	68	<10	153
ZZ91727		<20	0.04	<10	<10	79	<10	107
ZZ91728		<20	<0.01	<10	<10	65	<10	77
ZZ91729		<20	0.01	<10	<10	66	<10	146
ZZ91730		<20	0.02	<10	<10	34	<10	56
ZZ91731		<20	0.02	<10	<10	61	<10	97
ZZ91732		<20	0.03	<10	<10	49	<10	75
ZZ91733		<20	0.06	<10	<10	40	<10	39
ZZ91734		<20	0.06	<10	<10	49	<10	54
ZZ91735		<20	0.05	<10	<10	52	<10	62
ZZ91736		<20	0.03	<10	<10	48	<10	50
ZZ91737		<20	0.04	<10	<10	52	<10	56
ZZ91738		<20	0.04	<10	<10	42	<10	48
ZZ91739		<20	0.05	<10	<10	45	<10	50
ZZ91740		<20	0.05	<10	<10	37	<10	45
ZZ91781		<20	0.06	<10	<10	48	<10	53
ZZ91782		<20	0.07	<10	<10	69	<10	63
ZZ91783		<20	0.09	<10	<10	67	<10	63
ZZ91784		<20	0.07	<10	<10	45	<10	27
ZZ91785		<20	0.08	<10	<10	62	<10	68
ZZ91786		<20	0.09	<10	<10	84	<10	84
ZZ91787		<20	0.12	<10	<10	79	<10	64
ZZ91788		<20	0.12	<10	<10	68	<10	72
ZZ91789		<20	0.08	<10	<10	72	<10	64
ZZ91790		<20	0.05	<10	<10	40	<10	49
ZZ91791		<20	0.08	<10	<10	44	<10	45
ZZ91792		<20	0.03	<10	<10	43	<10	75
ZZ91793		<20	0.05	<10	<10	35	<10	31
ZZ91794		<20	0.04	<10	<10	33	<10	23
ZZ91795		<20	0.06	<10	<10	35	<10	50
ZZ91796		<20	0.05	<10	<10	35	<10	53
ZZ91797		<20	0.05	<10	<10	36	<10	37
ZZ91798		<20	0.04	<10	<10	38	<10	46
ZZ91799		<20	0.04	<10	<10	42	<10	70
ZZ91800		<20	0.04	<10	<10	47	<10	57
ZZ91801		<20	0.04	<10	<10	39	<10	45
ZZ91802		<20	0.06	<10	<10	54	<10	43
ZZ91803		<20	0.03	<10	<10	47	<10	48

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CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91804		0.30	0.011	0.4	1.44	19	<10	380	0.5	<2	0.47	<0.5	6	21	14	2.11
ZZ91805		0.42	0.008	0.2	1.19	13	<10	310	0.5	<2	0.42	<0.5	7	19	15	2.08
ZZ91806		0.20	0.014	<0.2	1.07	14	<10	460	<0.5	<2	0.52	<0.5	6	19	14	1.93
ZZ91807		0.18	0.006	<0.2	1.17	9	<10	100	<0.5	<2	0.16	<0.5	7	21	13	2.37
ZZ91808		0.30	<0.005	<0.2	1.00	8	<10	110	<0.5	<2	0.19	<0.5	6	17	14	1.93
ZZ91809		0.26	0.008	<0.2	1.22	12	<10	190	0.5	<2	0.39	<0.5	6	20	13	2.24
ZZ91810		0.26	0.005	<0.2	1.52	13	<10	250	0.6	<2	0.27	<0.5	9	26	17	3.00
ZZ91811		0.42	<0.005	<0.2	1.03	12	<10	180	<0.5	<2	0.33	<0.5	6	19	10	2.21
ZZ91812		0.22	0.007	<0.2	1.18	10	<10	190	<0.5	<2	0.29	<0.5	7	20	16	2.24
ZZ91813		0.36	<0.005	<0.2	0.80	9	<10	240	<0.5	<2	0.44	<0.5	5	14	10	1.89
ZZ91814		0.20	0.007	0.2	1.01	17	<10	390	<0.5	<2	0.78	<0.5	5	16	17	1.95
ZZ91815		0.36	<0.005	0.2	1.17	10	<10	330	0.7	<2	0.51	<0.5	7	16	10	2.16
ZZ91816		0.34	<0.005	<0.2	0.94	24	<10	420	0.6	<2	0.53	<0.5	5	13	9	2.26
ZZ91817		0.18	0.009	<0.2	0.94	12	<10	180	0.5	<2	0.43	<0.5	9	15	10	3.18
ZZ91818		0.30	<0.005	0.2	0.99	15	<10	630	0.6	<2	0.69	<0.5	7	11	22	2.10
ZZ91819		0.30	<0.005	0.3	1.00	17	<10	310	0.7	<2	0.77	<0.5	6	17	24	2.31
ZZ91820		0.32	0.007	<0.2	1.20	15	<10	230	0.7	<2	0.32	<0.5	7	20	15	2.67
ZZ91821		0.22	<0.005	0.2	1.35	14	<10	220	0.6	<2	0.49	<0.5	8	19	22	2.43
ZZ91822		0.28	0.016	<0.2	1.42	16	<10	220	0.5	<2	0.33	<0.5	8	23	19	2.43
ZZ91823		0.24	<0.005	<0.2	1.52	10	<10	190	0.5	<2	0.33	<0.5	9	24	16	2.44
ZZ91824		0.40	0.009	0.3	1.70	19	<10	540	0.6	<2	0.34	<0.5	8	23	14	2.42
ZZ91825		0.34	0.011	0.3	1.55	28	<10	430	0.5	<2	0.50	<0.5	8	23	15	2.60
ZZ91826		0.36	0.007	0.2	1.50	14	<10	200	<0.5	<2	0.27	<0.5	5	23	11	2.01
ZZ91827		0.20	0.005	0.3	1.39	10	<10	200	<0.5	<2	0.29	<0.5	7	21	17	2.06
ZZ91828		0.24	0.012	0.7	1.85	26	<10	320	0.5	<2	0.39	<0.5	9	29	17	2.60
ZZ91829		0.48	0.011	0.7	1.51	8	<10	190	<0.5	<2	0.29	<0.5	5	23	15	1.43
ZZ91830		0.22	0.278	5.8	1.09	403	<10	470	0.5	2	0.59	1.7	7	20	66	3.16
ZZ91831		0.28	0.029	0.4	0.90	42	<10	260	<0.5	<2	0.36	0.8	6	18	23	2.16
ZZ91832		0.36	0.040	1.3	1.63	55	<10	400	<0.5	<2	0.43	1.0	9	24	39	2.69
ZZ91833		0.40	0.042	0.8	1.96	20	<10	390	<0.5	<2	0.43	0.5	7	20	33	2.43
ZZ91834		0.52	0.037	1.7	1.83	48	<10	310	<0.5	<2	0.48	0.8	10	23	45	2.95
ZZ91835		0.22	0.012	0.3	1.41	30	<10	190	<0.5	<2	0.33	<0.5	8	18	31	2.35
ZZ91836		0.16	<0.005	<0.2	0.44	3	<10	40	<0.5	<2	0.16	<0.5	5	8	14	1.81
ZZ91837		0.34	<0.005	0.2	1.45	16	<10	220	<0.5	<2	0.22	<0.5	8	17	22	2.50
ZZ91838		0.34	0.011	<0.2	1.56	35	<10	300	<0.5	<2	0.40	<0.5	12	16	53	3.43
ZZ91839		0.36	0.014	1.1	1.85	30	<10	220	<0.5	<2	0.42	<0.5	9	26	41	2.92
ZZ91840		0.40	0.010	0.3	1.43	17	<10	140	<0.5	<2	0.30	<0.5	8	22	20	2.35
ZZ91841		0.46	0.024	0.6	1.67	13	<10	220	<0.5	<2	0.31	<0.5	6	22	27	1.88
ZZ91842		0.36	0.015	0.7	1.42	23	<10	240	<0.5	<2	0.32	<0.5	6	19	18	2.05
ZZ91843		0.28	0.006	0.7	1.14	8	<10	370	<0.5	<2	0.50	<0.5	6	16	31	1.85

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91804		<10	<1	0.10	10	0.40	560	<1	0.01	12	850	14	0.04	<2	3	27
ZZ91805		<10	<1	0.09	10	0.36	422	1	0.01	11	830	11	0.03	<2	3	24
ZZ91806		<10	<1	0.08	10	0.32	621	1	<0.01	13	680	14	0.03	<2	2	31
ZZ91807		10	<1	0.07	10	0.38	328	1	0.01	13	410	8	0.02	<2	2	16
ZZ91808		<10	<1	0.07	10	0.30	453	1	0.01	12	580	7	0.03	<2	1	16
ZZ91809		<10	<1	0.08	10	0.41	457	<1	0.01	12	880	9	0.03	<2	3	23
ZZ91810		10	<1	0.10	10	0.42	686	1	0.01	15	1090	13	0.05	<2	2	23
ZZ91811		<10	<1	0.08	10	0.35	346	<1	0.01	11	840	9	0.01	<2	3	20
ZZ91812		<10	<1	0.07	10	0.34	472	1	0.01	11	970	11	0.05	<2	2	21
ZZ91813		<10	<1	0.08	10	0.28	349	<1	0.01	9	690	9	0.02	<2	3	28
ZZ91814		<10	<1	0.07	10	0.27	430	<1	0.01	9	1260	14	0.09	<2	2	44
ZZ91815		<10	<1	0.13	20	0.38	725	<1	0.01	9	920	17	0.03	<2	4	33
ZZ91816		<10	<1	0.10	10	0.27	438	<1	<0.01	8	650	18	0.03	<2	3	28
ZZ91817		<10	<1	0.08	10	0.27	990	<1	0.01	9	810	20	0.04	<2	4	25
ZZ91818		<10	<1	0.08	20	0.20	787	1	0.01	9	1180	15	0.08	<2	2	49
ZZ91819		<10	<1	0.08	20	0.18	794	1	0.01	11	1330	21	0.10	<2	2	38
ZZ91820		<10	<1	0.09	20	0.36	943	1	0.01	12	730	20	0.02	<2	2	21
ZZ91821		<10	<1	0.08	20	0.28	918	1	0.01	11	1320	15	0.09	<2	1	29
ZZ91822		10	<1	0.08	10	0.45	604	1	0.01	15	760	15	0.01	<2	3	25
ZZ91823		10	<1	0.08	10	0.46	531	1	0.01	16	800	7	0.01	<2	3	22
ZZ91824		10	<1	0.08	20	0.44	486	<1	0.01	15	650	20	0.01	<2	3	24
ZZ91825		10	<1	0.10	10	0.43	523	1	0.01	14	600	27	0.02	<2	3	30
ZZ91826		10	<1	0.09	10	0.46	224	<1	0.01	13	500	13	0.01	<2	3	18
ZZ91827		<10	<1	0.07	10	0.37	402	1	0.01	11	640	10	0.04	<2	2	22
ZZ91828		10	<1	0.12	10	0.50	558	1	0.01	16	710	21	0.03	2	4	30
ZZ91829		<10	<1	0.10	10	0.42	214	<1	0.01	12	620	18	0.03	<2	3	20
ZZ91830		<10	<1	0.16	10	0.29	545	4	0.02	11	680	177	0.23	4	4	71
ZZ91831		<10	<1	0.08	10	0.40	399	3	0.01	10	400	71	0.03	<2	3	29
ZZ91832		10	<1	0.10	10	0.51	642	6	0.01	13	800	98	0.04	<2	5	36
ZZ91833		10	<1	0.09	10	0.55	453	1	0.01	12	650	27	0.04	<2	5	34
ZZ91834		<10	1	0.08	10	0.68	571	1	0.02	12	630	62	0.03	<2	7	33
ZZ91835		10	<1	0.07	10	0.53	347	1	0.01	11	440	17	0.02	<2	4	23
ZZ91836		<10	<1	0.03	<10	0.11	142	<1	0.01	4	330	4	0.01	<2	1	14
ZZ91837		<10	<1	0.10	10	0.51	401	4	0.01	11	460	11	0.02	<2	4	17
ZZ91838		<10	<1	0.18	20	0.76	605	2	0.03	11	510	11	0.01	<2	9	27
ZZ91839		10	<1	0.14	10	0.68	232	1	0.01	12	860	28	0.03	<2	7	30
ZZ91840		<10	<1	0.09	10	0.62	325	1	0.01	10	700	19	0.02	<2	4	22
ZZ91841		10	<1	0.07	10	0.60	193	1	0.01	11	710	19	0.04	<2	4	22
ZZ91842		<10	1	0.06	10	0.41	264	1	0.01	9	710	38	0.02	<2	3	20
ZZ91843		<10	<1	0.06	10	0.26	530	1	0.02	9	980	21	0.09	<2	2	34

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91804		<20	0.03	<10	<10	44	<10	63
ZZ91805		<20	0.04	<10	<10	45	<10	55
ZZ91806		<20	0.04	<10	<10	40	<10	62
ZZ91807		<20	0.08	<10	<10	62	<10	48
ZZ91808		<20	0.05	<10	<10	49	<10	43
ZZ91809		<20	0.05	<10	<10	50	<10	52
ZZ91810		<20	0.04	<10	<10	65	<10	69
ZZ91811		<20	0.05	<10	<10	50	<10	51
ZZ91812		<20	0.04	<10	<10	51	<10	52
ZZ91813		<20	0.03	<10	<10	36	<10	54
ZZ91814		<20	0.03	<10	<10	43	<10	56
ZZ91815		<20	0.03	<10	<10	45	<10	79
ZZ91816		<20	0.02	<10	<10	37	<10	71
ZZ91817		<20	0.01	<10	<10	53	<10	141
ZZ91818		<20	0.02	<10	<10	33	<10	65
ZZ91819		<20	0.02	<10	<10	39	<10	80
ZZ91820		<20	0.04	<10	<10	51	<10	57
ZZ91821		<20	0.02	<10	<10	54	<10	63
ZZ91822		<20	0.06	<10	<10	54	<10	55
ZZ91823		<20	0.07	<10	<10	55	<10	50
ZZ91824		<20	0.04	<10	<10	50	<10	83
ZZ91825		<20	0.06	<10	<10	58	<10	99
ZZ91826		<20	0.06	<10	<10	45	<10	58
ZZ91827		<20	0.06	<10	<10	52	<10	49
ZZ91828		<20	0.06	<10	<10	56	<10	72
ZZ91829		<20	0.06	<10	<10	37	<10	54
ZZ91830		<20	0.03	<10	<10	53	<10	219
ZZ91831		<20	0.07	<10	<10	52	<10	115
ZZ91832		<20	0.05	<10	<10	56	<10	168
ZZ91833		<20	0.06	<10	<10	56	<10	82
ZZ91834		<20	0.09	<10	<10	67	<10	120
ZZ91835		<20	0.10	<10	<10	61	<10	70
ZZ91836		<20	0.09	<10	<10	65	<10	28
ZZ91837		<20	0.08	<10	<10	58	<10	49
ZZ91838		<20	0.14	<10	<10	83	<10	71
ZZ91839		<20	0.10	<10	<10	85	<10	84
ZZ91840		<20	0.11	<10	<10	70	<10	62
ZZ91841		<20	0.10	<10	<10	58	<10	65
ZZ91842		<20	0.05	<10	<10	48	<10	80
ZZ91843		<20	0.06	<10	<10	49	<10	47

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91844		0.28	<0.005	<0.2	0.28	2	<10	20	<0.5	<2	0.15	<0.5	4	8	7	1.56
ZZ91845		0.26	0.040	0.6	1.11	57	<10	260	<0.5	<2	0.44	0.7	7	17	13	2.30
ZZ91846		0.30	<0.005	<0.2	1.58	3	<10	150	<0.5	<2	0.29	<0.5	5	23	14	1.37
ZZ91847		0.40	<0.005	<0.2	1.54	10	<10	160	<0.5	<2	0.34	<0.5	6	22	14	1.86
ZZ91848		0.28	0.010	<0.2	1.73	10	<10	180	<0.5	<2	0.38	<0.5	10	24	14	2.05
ZZ91849		0.26	<0.005	<0.2	1.58	7	<10	140	<0.5	<2	0.31	<0.5	7	23	14	1.92
ZZ91850		0.34	<0.005	<0.2	0.90	6	<10	100	<0.5	<2	0.27	<0.5	6	16	12	1.80
ZZ91851		0.20	0.006	<0.2	1.25	8	<10	170	<0.5	<2	0.32	<0.5	6	23	14	2.04
ZZ91852		0.30	<0.005	0.2	1.19	19	<10	150	<0.5	<2	0.36	<0.5	6	22	8	1.83
ZZ91853		0.24	<0.005	<0.2	1.14	2	<10	240	<0.5	<2	0.46	<0.5	5	17	10	1.43
ZZ91854		0.22	0.005	<0.2	1.51	10	<10	410	0.7	<2	0.41	<0.5	10	25	17	2.47
ZZ91855		0.22	<0.005	<0.2	0.98	21	<10	630	0.6	<2	0.65	<0.5	9	18	14	2.98
ZZ91856		0.30	<0.005	<0.2	1.16	13	<10	400	0.7	<2	0.49	<0.5	9	21	14	2.72
ZZ91857		0.30	0.005	<0.2	1.34	13	<10	370	<0.5	<2	0.55	<0.5	8	24	19	2.40
ZZ91858		0.24	<0.005	<0.2	1.85	13	<10	110	<0.5	<2	0.16	<0.5	7	29	17	2.86
ZZ91859		0.22	<0.005	<0.2	1.87	35	<10	200	0.6	15	0.26	<0.5	11	24	59	2.88
ZZ91860		0.26	0.005	<0.2	2.11	19	<10	220	0.7	<2	0.18	<0.5	10	30	26	3.01
ZZ91861		0.24	<0.005	<0.2	1.80	10	<10	120	<0.5	<2	0.21	<0.5	9	23	18	2.18
ZZ91862		0.16	0.007	<0.2	1.71	13	<10	140	<0.5	<2	0.21	<0.5	8	25	15	2.35
ZZ91863		0.18	<0.005	<0.2	1.67	12	<10	120	<0.5	<2	0.17	<0.5	8	25	13	2.45
ZZ91864		0.20	<0.005	<0.2	1.91	11	<10	100	<0.5	<2	0.17	<0.5	7	29	12	2.66
ZZ91865		0.16	<0.005	<0.2	1.72	9	<10	150	<0.5	<2	0.30	<0.5	8	28	11	2.43
ZZ91866		0.18	0.007	0.3	1.63	18	<10	290	<0.5	<2	0.59	<0.5	8	21	14	2.34
ZZ91867		0.26	0.009	0.2	1.66	12	<10	250	<0.5	<2	0.48	<0.5	8	22	15	2.02
ZZ91868		0.16	0.022	1.5	1.68	28	<10	330	0.5	<2	0.36	<0.5	7	24	18	2.00
ZZ91869		0.26	0.009	0.3	1.83	13	<10	320	<0.5	<2	0.35	<0.5	10	25	16	1.98
ZZ91870		0.32	0.007	<0.2	1.50	12	<10	210	<0.5	<2	0.29	<0.5	6	21	12	1.74
ZZ91871		0.26	0.014	0.3	1.82	19	<10	190	<0.5	<2	0.34	<0.5	7	26	15	1.94
ZZ91872		0.22	<0.005	<0.2	1.19	11	<10	140	<0.5	<2	0.36	<0.5	6	20	8	2.32
ZZ91873		0.26	0.005	<0.2	1.41	8	<10	170	<0.5	<2	0.34	<0.5	6	20	15	1.94
ZZ91874		0.18	0.005	<0.2	0.84	19	<10	120	<0.5	<2	0.30	<0.5	4	13	10	1.40
ZZ91875		0.12	0.034	1.2	0.64	36	<10	270	<0.5	<2	0.50	1.3	4	7	28	1.19
ZZ91876		0.14	0.106	2.9	2.22	135	<10	670	0.8	<2	0.57	2.8	7	23	92	2.78
ZZ91877		0.12	<0.005	0.4	0.31	8	<10	50	<0.5	<2	0.08	<0.5	2	5	6	0.79
ZZ91878		0.32	0.044	1.3	0.94	300	<10	190	<0.5	<2	0.29	1.1	9	28	79	2.95
ZZ91879		0.20	0.026	0.9	0.86	59	<10	270	<0.5	<2	0.27	0.7	7	14	34	2.24
ZZ91880		0.16	0.018	1.7	1.23	22	<10	270	<0.5	<2	0.33	0.9	9	16	29	2.21
ZZ91881		0.26	0.025	1.0	1.48	62	<10	270	<0.5	<2	0.45	0.7	13	21	36	3.59
ZZ91882		0.28	0.006	0.2	1.65	16	<10	220	<0.5	<2	0.35	<0.5	9	16	33	2.75
ZZ91883		0.16	0.017	1.4	1.35	36	<10	300	<0.5	<2	0.46	0.6	9	16	36	2.42

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91844		<10	<1	0.02	<10	0.07	128	<1	0.02	4	550	3	0.01	<2	<1	14
ZZ91845		<10	<1	0.07	10	0.34	574	1	0.01	9	730	56	0.04	<2	2	26
ZZ91846		<10	<1	0.09	10	0.45	190	<1	0.01	12	520	11	0.02	<2	3	21
ZZ91847		<10	<1	0.09	10	0.40	302	<1	0.01	12	680	10	0.03	<2	3	27
ZZ91848		<10	<1	0.09	10	0.43	519	<1	0.01	13	750	13	0.03	<2	3	28
ZZ91849		<10	1	0.09	10	0.45	310	<1	0.02	12	610	11	0.03	<2	3	23
ZZ91850		<10	<1	0.06	10	0.27	331	<1	0.02	9	550	5	0.03	<2	2	21
ZZ91851		<10	<1	0.06	10	0.37	332	<1	0.01	12	780	8	0.04	<2	3	23
ZZ91852		<10	1	0.09	10	0.43	195	<1	0.01	11	730	14	0.01	5	3	19
ZZ91853		<10	<1	0.11	10	0.39	247	<1	0.01	8	700	10	0.03	<2	4	25
ZZ91854		<10	<1	0.12	10	0.38	510	<1	0.01	14	680	15	0.04	<2	6	21
ZZ91855		<10	<1	0.10	10	0.28	1175	<1	0.01	12	650	18	0.04	2	5	23
ZZ91856		<10	<1	0.11	20	0.36	862	<1	0.01	13	740	13	0.02	3	6	22
ZZ91857		<10	<1	0.10	10	0.44	464	<1	0.02	15	700	9	0.02	<2	5	22
ZZ91858		10	<1	0.08	10	0.47	354	<1	0.01	15	480	10	0.04	<2	2	15
ZZ91859		10	<1	0.09	10	0.50	723	<1	0.01	15	730	10	0.02	2	3	19
ZZ91860		10	<1	0.13	10	0.51	665	<1	0.01	17	550	13	0.02	4	4	16
ZZ91861		<10	<1	0.10	10	0.51	437	<1	0.01	16	600	9	0.02	<2	3	15
ZZ91862		10	<1	0.07	10	0.43	442	1	0.01	14	690	8	0.05	<2	1	21
ZZ91863		10	<1	0.10	10	0.52	424	<1	0.01	14	460	7	0.02	<2	2	15
ZZ91864		10	<1	0.10	10	0.52	316	1	0.01	14	400	7	0.02	<2	3	14
ZZ91865		10	<1	0.11	10	0.52	276	<1	0.01	16	550	7	0.02	<2	3	21
ZZ91866		10	<1	0.09	10	0.50	344	<1	0.02	12	580	13	0.02	<2	4	30
ZZ91867		<10	<1	0.08	10	0.55	240	<1	0.02	13	590	11	0.02	<2	4	28
ZZ91868		10	<1	0.09	20	0.39	295	<1	0.01	9	730	19	0.03	<2	4	23
ZZ91869		10	<1	0.09	10	0.48	415	<1	0.01	11	750	15	0.03	<2	4	23
ZZ91870		<10	<1	0.08	10	0.45	160	<1	0.01	11	470	10	0.01	<2	3	18
ZZ91871		10	<1	0.09	10	0.49	207	<1	0.01	12	630	12	0.02	<2	3	22
ZZ91872		10	<1	0.07	10	0.46	276	1	0.01	10	380	8	0.01	<2	2	27
ZZ91873		10	<1	0.06	10	0.40	363	1	0.01	10	430	8	0.01	<2	2	28
ZZ91874		<10	<1	0.05	10	0.24	207	<1	0.02	6	420	14	0.01	<2	1	26
ZZ91875		<10	<1	0.04	10	0.09	559	<1	0.03	6	770	22	0.05	<2	2	41
ZZ91876		10	<1	0.13	20	0.28	514	7	0.01	16	990	93	0.05	3	6	56
ZZ91877		<10	<1	0.03	<10	0.04	70	<1	0.02	2	310	7	0.01	<2	<1	11
ZZ91878		<10	<1	0.09	10	0.38	606	24	0.01	10	700	226	0.08	3	3	39
ZZ91879		<10	<1	0.08	10	0.16	623	5	0.02	9	450	82	0.02	<2	3	24
ZZ91880		<10	<1	0.06	10	0.32	2380	1	0.02	9	810	34	0.03	<2	4	24
ZZ91881		<10	<1	0.16	20	0.68	831	2	0.02	11	910	76	<0.01	4	7	28
ZZ91882		10	<1	0.14	10	0.78	446	1	0.02	10	450	13	0.02	<2	5	24
ZZ91883		<10	<1	0.11	10	0.37	845	1	0.01	9	730	17	0.05	<2	3	34

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CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91844		<20	0.08	<10	<10	59	<10	24
ZZ91845		<20	0.04	<10	<10	50	<10	73
ZZ91846		<20	0.08	<10	<10	33	<10	44
ZZ91847		<20	0.07	<10	<10	46	<10	47
ZZ91848		<20	0.07	<10	<10	48	<10	48
ZZ91849		<20	0.08	<10	<10	49	<10	49
ZZ91850		<20	0.07	<10	<10	51	<10	45
ZZ91851		<20	0.07	<10	<10	51	<10	43
ZZ91852		<20	0.07	<10	<10	42	<10	61
ZZ91853		<20	0.03	<10	<10	32	<10	46
ZZ91854		<20	0.02	<10	<10	59	<10	64
ZZ91855		<20	0.03	<10	<10	53	<10	83
ZZ91856		<20	0.04	<10	<10	53	<10	67
ZZ91857		<20	0.07	<10	<10	53	<10	52
ZZ91858		<20	0.08	<10	<10	67	<10	57
ZZ91859		<20	0.06	<10	<10	59	<10	51
ZZ91860		<20	0.07	<10	<10	63	<10	65
ZZ91861		<20	0.07	<10	<10	49	<10	48
ZZ91862		<20	0.06	<10	<10	57	<10	50
ZZ91863		<20	0.07	<10	<10	57	<10	49
ZZ91864		<20	0.10	<10	<10	65	<10	49
ZZ91865		<20	0.09	<10	<10	57	<10	50
ZZ91866		<20	0.07	<10	<10	58	<10	49
ZZ91867		<20	0.07	<10	<10	52	<10	43
ZZ91868		<20	0.04	<10	<10	52	<10	63
ZZ91869		<20	0.05	<10	<10	51	<10	56
ZZ91870		<20	0.06	<10	<10	45	<10	50
ZZ91871		<20	0.06	<10	<10	52	<10	54
ZZ91872		<20	0.10	<10	<10	67	<10	46
ZZ91873		<20	0.07	<10	<10	54	<10	42
ZZ91874		<20	0.06	<10	<10	41	<10	40
ZZ91875		<20	0.04	<10	<10	32	<10	39
ZZ91876		<20	0.02	<10	<10	47	<10	216
ZZ91877		<20	0.02	<10	<10	26	<10	21
ZZ91878		<20	0.04	<10	<10	46	<10	220
ZZ91879		<20	0.04	<10	<10	49	<10	141
ZZ91880		<20	0.07	<10	<10	62	<10	80
ZZ91881		<20	0.12	<10	<10	88	<10	130
ZZ91882		<20	0.13	<10	<10	72	<10	57
ZZ91883		<20	0.06	<10	<10	61	<10	59

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91884		0.28	0.014	0.2	1.69	42	<10	260	<0.5	<2	0.43	<0.5	16	19	38	3.71
ZZ91885		0.26	0.006	0.2	1.19	14	<10	130	<0.5	<2	0.23	<0.5	6	20	15	1.91
ZZ91886		0.30	0.036	0.5	1.61	19	<10	180	<0.5	<2	0.39	<0.5	12	23	22	3.21
ZZ91887		0.26	0.034	0.5	1.08	23	<10	210	<0.5	<2	0.29	<0.5	9	19	20	2.34
ZZ91888		0.28	0.046	2.2	1.39	118	<10	300	0.5	<2	0.36	0.7	10	23	41	3.09
ZZ91889		0.14	0.015	0.9	1.38	26	<10	340	0.5	<2	0.36	<0.5	7	20	30	2.34
ZZ91890		0.18	0.015	1.3	1.14	17	<10	250	<0.5	<2	0.35	<0.5	5	15	22	2.01
ZZ91891		0.28	0.026	0.2	0.86	32	<10	180	<0.5	<2	0.27	<0.5	6	15	14	1.91
ZZ91892		0.12	0.046	4.9	0.96	136	<10	390	0.5	<2	0.23	0.6	6	14	33	2.34
ZZ91893		0.22	0.055	2.8	0.97	55	<10	350	0.6	<2	0.40	0.7	7	13	23	2.10
ZZ91894		0.20	0.020	<0.2	0.88	23	<10	60	<0.5	<2	0.13	<0.5	9	15	8	2.19
ZZ91895		0.24	<0.005	<0.2	1.31	50	<10	160	<0.5	<2	0.28	<0.5	9	21	12	3.93
ZZ91896		0.28	0.007	<0.2	1.52	6	<10	150	<0.5	<2	0.29	<0.5	6	23	10	1.43
ZZ91897		0.26	<0.005	0.2	1.37	11	<10	110	<0.5	<2	0.27	<0.5	6	23	11	2.19
ZZ91898		0.14	<0.005	0.2	1.62	10	<10	100	<0.5	<2	0.17	<0.5	6	22	11	2.20
ZZ91899		0.22	0.007	<0.2	1.73	11	<10	230	0.5	<2	0.39	<0.5	8	24	19	2.29
ZZ91900		0.14	<0.005	<0.2	1.36	8	<10	120	<0.5	<2	0.18	<0.5	10	24	14	2.52
ZZ91901		0.14	0.026	1.4	1.21	58	<10	250	<0.5	<2	0.34	<0.5	7	15	24	2.26
ZZ91902		0.28	0.050	0.9	1.38	43	<10	300	<0.5	<2	0.45	<0.5	9	24	33	3.03
ZZ91903		0.18	0.076	0.5	1.13	67	<10	290	<0.5	<2	0.42	0.5	9	17	17	2.50
ZZ91904		0.18	0.012	0.9	1.46	44	<10	260	<0.5	<2	0.40	<0.5	6	18	19	2.03
ZZ91905		0.24	0.011	0.6	0.87	41	<10	90	<0.5	<2	0.22	<0.5	9	15	10	2.00
ZZ91906		0.28	<0.005	<0.2	1.16	9	<10	100	<0.5	<2	0.34	<0.5	5	19	9	1.96
ZZ91907		0.22	0.005	<0.2	1.42	8	<10	140	<0.5	<2	0.29	<0.5	6	21	10	1.78
ZZ91908		0.26	<0.005	<0.2	1.64	8	<10	150	<0.5	<2	0.31	<0.5	8	23	15	1.89
ZZ91909		0.34	0.005	<0.2	1.59	11	<10	170	<0.5	<2	0.33	<0.5	9	23	13	2.10
ZZ91910		0.30	0.005	<0.2	1.63	10	<10	180	<0.5	<2	0.35	<0.5	7	22	12	2.04
ZZ91911		0.30	0.019	0.4	1.50	11	<10	220	<0.5	<2	0.33	<0.5	8	22	13	1.91
ZZ91912		0.28	0.012	0.3	1.25	13	<10	160	<0.5	<2	0.37	<0.5	9	17	9	1.52
ZZ91913		0.30	0.007	<0.2	1.72	10	<10	210	<0.5	<2	0.52	<0.5	8	22	18	2.28
ZZ91914		0.32	0.006	<0.2	1.93	11	<10	200	<0.5	<2	0.46	<0.5	9	24	18	2.49
ZZ91915		0.18	<0.005	<0.2	1.72	10	<10	150	<0.5	<2	0.24	<0.5	8	21	17	2.41
ZZ91916		0.18	0.005	0.2	1.37	11	<10	290	<0.5	<2	0.40	<0.5	7	15	19	2.21
ZZ91917		0.22	0.011	0.2	1.79	27	<10	620	0.7	<2	0.57	<0.5	12	20	33	3.56
ZZ91918		0.26	0.011	0.3	2.11	26	<10	770	0.8	<2	0.61	<0.5	11	27	39	3.47
ZZ91919		0.24	<0.005	<0.2	1.31	6	<10	240	0.5	<2	0.41	<0.5	6	22	10	1.73
ZZ91920		0.34	<0.005	<0.2	1.16	45	<10	430	0.7	<2	0.38	<0.5	7	16	9	2.81
ZZ91921		0.32	<0.005	<0.2	1.13	13	<10	200	<0.5	<2	0.40	<0.5	7	22	8	1.82
ZZ91922		0.32	0.007	<0.2	1.05	20	<10	180	<0.5	<2	0.39	<0.5	7	19	8	2.03
ZZ91923		0.30	0.015	<0.2	0.92	11	<10	190	<0.5	<2	0.31	<0.5	5	16	7	1.78

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91884		10	<1	0.18	10	0.85	682	1	0.01	11	980	20	<0.01	<2	6	27
ZZ91885		<10	<1	0.09	10	0.42	225	<1	0.01	13	390	12	0.01	<2	3	16
ZZ91886		10	<1	0.11	10	0.74	620	1	0.02	11	770	18	0.02	<2	5	24
ZZ91887		<10	<1	0.07	10	0.46	616	1	0.01	9	430	24	0.02	<2	4	20
ZZ91888		<10	<1	0.15	10	0.48	980	2	0.01	13	710	48	0.02	3	5	22
ZZ91889		<10	<1	0.06	10	0.35	646	2	0.01	11	880	27	0.07	<2	2	22
ZZ91890		<10	1	0.07	10	0.31	431	1	0.02	7	800	26	0.05	<2	3	23
ZZ91891		<10	<1	0.08	20	0.28	541	1	0.01	8	620	36	0.01	2	3	19
ZZ91892		<10	<1	0.06	10	0.15	551	2	0.01	7	1160	87	0.10	4	2	21
ZZ91893		<10	<1	0.07	20	0.19	684	1	0.01	6	1100	87	0.06	2	2	25
ZZ91894		<10	<1	0.05	10	0.21	456	<1	<0.01	5	370	21	0.01	<2	2	12
ZZ91895		<10	<1	0.07	10	0.38	606	1	0.02	11	570	10	0.03	<2	2	21
ZZ91896		<10	<1	0.08	10	0.47	154	<1	0.01	12	540	13	0.02	<2	3	19
ZZ91897		10	<1	0.08	10	0.35	210	1	0.01	11	510	10	0.02	<2	2	22
ZZ91898		10	<1	0.07	10	0.33	184	1	0.01	11	300	10	0.01	<2	2	15
ZZ91899		10	<1	0.09	10	0.45	375	1	0.01	13	650	11	0.03	<2	3	31
ZZ91900		10	<1	0.10	10	0.34	1125	2	0.01	12	430	12	0.02	<2	2	19
ZZ91901		<10	<1	0.07	10	0.37	447	1	0.01	7	690	29	0.02	2	4	26
ZZ91902		<10	<1	0.17	20	0.64	474	1	0.01	12	870	28	0.01	2	6	30
ZZ91903		<10	<1	0.11	10	0.40	702	1	0.01	9	730	53	0.04	2	3	28
ZZ91904		<10	<1	0.06	10	0.36	360	<1	0.01	9	920	34	0.05	<2	2	27
ZZ91905		<10	<1	0.07	10	0.27	730	<1	0.01	7	670	39	0.02	<2	2	15
ZZ91906		<10	<1	0.08	10	0.38	215	<1	0.01	10	590	8	0.02	<2	2	22
ZZ91907		10	<1	0.07	10	0.44	263	<1	0.01	11	490	9	0.02	<2	3	20
ZZ91908		<10	1	0.09	10	0.48	209	<1	0.01	12	560	12	0.03	<2	4	21
ZZ91909		<10	<1	0.10	10	0.51	215	<1	0.01	13	600	10	0.03	<2	4	20
ZZ91910		10	<1	0.09	10	0.51	227	<1	0.01	12	530	10	0.04	<2	3	23
ZZ91911		<10	1	0.08	10	0.48	277	<1	0.01	12	490	12	0.04	<2	3	22
ZZ91912		<10	<1	0.08	10	0.45	281	<1	0.01	9	590	9	0.03	<2	3	21
ZZ91913		10	<1	0.08	10	0.47	324	<1	0.02	12	790	8	0.05	<2	3	28
ZZ91914		10	<1	0.08	10	0.51	436	1	0.02	14	760	10	0.03	<2	3	26
ZZ91915		10	<1	0.08	10	0.40	366	<1	0.01	11	620	9	0.03	<2	2	19
ZZ91916		<10	<1	0.07	10	0.29	412	<1	0.02	8	790	9	0.05	<2	3	22
ZZ91917		10	<1	0.14	10	0.47	722	<1	0.01	12	710	14	0.05	3	6	26
ZZ91918		10	1	0.14	10	0.59	611	<1	0.01	15	620	19	0.04	2	8	28
ZZ91919		<10	1	0.09	10	0.40	246	<1	0.01	11	840	16	0.04	<2	4	24
ZZ91920		<10	<1	0.10	20	0.28	347	<1	<0.01	8	720	22	0.03	<2	5	24
ZZ91921		<10	<1	0.08	10	0.42	280	<1	0.01	11	620	11	0.03	<2	3	22
ZZ91922		<10	<1	0.08	10	0.37	437	<1	0.01	10	800	11	0.03	<2	3	22
ZZ91923		<10	<1	0.08	10	0.33	316	<1	0.01	9	420	10	0.02	<2	3	21

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91884		<20	0.19	<10	<10	103	<10	88
ZZ91885		<20	0.07	<10	<10	42	<10	47
ZZ91886		<20	0.13	<10	<10	93	<10	80
ZZ91887		<20	0.08	<10	<10	60	<10	65
ZZ91888		<20	0.07	<10	<10	66	<10	137
ZZ91889		<20	0.04	<10	<10	56	<10	72
ZZ91890		<20	0.06	<10	<10	51	<10	66
ZZ91891		<20	0.05	<10	<10	41	<10	74
ZZ91892		<20	0.03	<10	<10	49	<10	100
ZZ91893		<20	0.03	<10	<10	45	<10	106
ZZ91894		<20	0.05	<10	<10	60	<10	49
ZZ91895		<20	0.07	<10	<10	122	<10	43
ZZ91896		<20	0.07	<10	<10	38	<10	51
ZZ91897		<20	0.08	<10	<10	57	<10	45
ZZ91898		<20	0.09	<10	<10	57	<10	40
ZZ91899		<20	0.06	<10	<10	53	<10	46
ZZ91900		<20	0.10	<10	<10	66	<10	67
ZZ91901		<20	0.06	<10	<10	61	<10	74
ZZ91902		<20	0.14	<10	<10	91	<10	90
ZZ91903		<20	0.05	<10	<10	58	<10	108
ZZ91904		<20	0.03	<10	<10	47	<10	70
ZZ91905		<20	0.05	<10	<10	46	<10	75
ZZ91906		<20	0.07	<10	<10	48	<10	39
ZZ91907		<20	0.07	<10	<10	46	<10	46
ZZ91908		<20	0.07	<10	<10	48	<10	55
ZZ91909		<20	0.08	<10	<10	53	<10	55
ZZ91910		<20	0.07	<10	<10	49	<10	55
ZZ91911		<20	0.06	<10	<10	47	<10	59
ZZ91912		<20	0.06	<10	<10	39	<10	54
ZZ91913		<20	0.07	<10	<10	59	<10	60
ZZ91914		<20	0.07	<10	<10	60	<10	60
ZZ91915		<20	0.06	<10	<10	61	<10	54
ZZ91916		<20	0.05	<10	<10	56	<10	50
ZZ91917		<20	0.03	<10	<10	67	<10	77
ZZ91918		<20	0.04	<10	<10	69	<10	87
ZZ91919		<20	0.03	<10	<10	43	<10	63
ZZ91920		<20	0.01	<10	<10	43	<10	71
ZZ91921		<20	0.05	<10	<10	42	<10	59
ZZ91922		<20	0.04	<10	<10	40	<10	65
ZZ91923		<20	0.04	<10	<10	35	<10	55

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CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91924		0.26	<0.005	<0.2	1.18	7	<10	190	<0.5	<2	0.38	<0.5	7	22	10	2.09
ZZ91925		0.28	0.005	<0.2	1.56	11	<10	180	0.5	<2	0.37	<0.5	8	27	17	2.39
ZZ91926		0.28	0.017	<0.2	1.22	10	<10	220	<0.5	<2	0.30	<0.5	7	22	13	2.22
ZZ91927		0.22	0.005	<0.2	1.10	11	<10	170	<0.5	<2	0.35	<0.5	7	22	14	2.06
ZZ91928		0.30	0.009	<0.2	1.01	8	<10	160	<0.5	<2	0.43	<0.5	6	20	11	2.17
ZZ91929		0.28	0.012	<0.2	1.21	12	<10	430	0.8	<2	0.54	<0.5	11	18	11	3.56
ZZ91930		0.28	<0.005	<0.2	1.32	14	<10	350	0.6	<2	0.45	<0.5	8	21	14	3.06
ZZ91931		0.24	<0.005	0.3	1.83	11	<10	110	0.5	<2	0.19	<0.5	7	27	16	2.47
ZZ91932		0.30	0.008	<0.2	1.70	14	<10	340	0.5	<2	0.42	<0.5	8	28	32	2.67
ZZ91933		0.28	0.009	<0.2	1.64	11	<10	220	<0.5	<2	0.25	<0.5	10	19	16	2.71
ZZ91934		0.26	<0.005	<0.2	1.91	14	<10	260	0.5	<2	0.24	<0.5	10	22	19	2.83
ZZ91935		0.24	<0.005	<0.2	1.84	13	<10	140	0.5	<2	0.15	<0.5	7	28	15	2.72
ZZ91936		0.18	0.007	0.2	1.41	11	<10	310	<0.5	<2	0.36	<0.5	6	23	14	2.33
ZZ91937		0.22	0.018	<0.2	1.36	9	<10	220	<0.5	<2	0.34	<0.5	7	19	14	1.96
ZZ91938		0.20	<0.005	<0.2	1.50	10	<10	120	<0.5	<2	0.26	<0.5	7	22	12	2.22
ZZ91939		0.20	0.008	<0.2	1.86	10	<10	90	<0.5	<2	0.21	<0.5	8	23	12	2.21
ZZ91940		0.20	0.006	<0.2	1.32	10	<10	110	<0.5	<2	0.22	<0.5	6	22	9	2.15
ZZ91941		0.18	<0.005	0.3	1.73	13	<10	120	<0.5	<2	0.22	<0.5	8	25	11	2.69
ZZ91942		0.28	0.005	0.2	1.72	11	<10	170	<0.5	2	0.32	<0.5	7	24	14	2.03
ZZ91943		0.28	0.011	<0.2	1.54	9	<10	150	<0.5	<2	0.36	<0.5	7	22	13	1.93
ZZ91944		0.30	0.006	<0.2	1.44	3	<10	230	<0.5	<2	0.30	<0.5	4	22	12	1.22
ZZ91945		0.24	0.006	<0.2	1.23	6	<10	280	<0.5	<2	0.33	<0.5	7	20	9	1.80
ZZ91946		0.20	<0.005	<0.2	1.60	12	<10	470	<0.5	<2	0.44	<0.5	7	25	13	2.59
ZZ91947		0.28	<0.005	<0.2	1.22	11	<10	130	<0.5	<2	0.33	<0.5	5	20	10	2.16
ZZ91948		0.18	0.010	0.3	1.76	58	<10	250	<0.5	<2	0.42	<0.5	10	24	15	2.86
ZZ91949		0.20	0.016	<0.2	0.92	9	<10	140	<0.5	<2	0.28	<0.5	6	15	9	1.89
ZZ91950		0.22	0.013	0.4	1.52	14	<10	220	<0.5	<2	0.41	<0.5	8	21	26	2.42
ZZ91951		0.24	0.017	1.1	1.84	31	<10	300	<0.5	<2	0.43	<0.5	9	22	39	2.95
ZZ91952		0.20	0.013	0.9	1.65	23	<10	290	<0.5	<2	0.40	<0.5	9	20	33	3.18
ZZ91953		0.26	0.023	0.8	1.62	41	<10	290	<0.5	<2	0.48	<0.5	9	20	32	2.95
ZZ91954		0.26	0.026	0.5	1.11	76	<10	310	<0.5	<2	0.39	0.7	6	21	30	2.39
ZZ91955		0.24	0.034	0.5	1.60	50	<10	460	0.5	3	0.45	0.5	6	25	37	2.63
ZZ91956		0.20	0.044	2.0	2.11	41	<10	390	0.5	<2	0.44	<0.5	10	25	29	3.27
ZZ91957		0.32	0.016	0.4	1.31	21	<10	220	<0.5	<2	0.36	<0.5	7	21	21	2.20
ZZ91958		0.28	0.022	0.8	1.34	36	<10	250	<0.5	<2	0.38	0.9	8	22	34	2.50
ZZ91959		0.36	0.014	0.6	2.21	24	<10	340	0.5	<2	0.37	<0.5	10	28	43	2.80
ZZ91960		0.24	0.027	0.5	1.47	13	<10	210	<0.5	<2	0.37	<0.5	8	21	32	2.06
ZZ91961		0.26	0.017	0.3	1.68	17	<10	210	<0.5	<2	0.34	<0.5	11	24	27	3.04
ZZ91962		0.22	0.026	0.7	1.69	16	<10	150	<0.5	<2	0.41	<0.5	10	22	36	2.51
ZZ91963		0.24	0.007	0.4	1.76	14	<10	150	<0.5	<2	0.28	<0.5	8	23	19	2.56

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91924		<10	<1	0.09	10	0.40	615	<1	0.01	11	820	16	0.04	<2	4	23
ZZ91925		<10	<1	0.10	10	0.47	442	<1	0.01	17	890	12	0.03	<2	4	24
ZZ91926		<10	<1	0.07	10	0.40	385	<1	0.01	12	600	13	0.03	<2	3	22
ZZ91927		<10	<1	0.07	10	0.37	364	<1	0.01	12	800	9	0.03	<2	2	22
ZZ91928		<10	<1	0.08	10	0.36	326	<1	0.01	12	1030	6	0.01	<2	4	22
ZZ91929		<10	<1	0.11	20	0.32	1145	<1	0.01	14	1040	20	0.03	3	7	23
ZZ91930		<10	<1	0.11	10	0.38	832	<1	0.01	13	900	14	0.03	3	5	21
ZZ91931		10	<1	0.09	10	0.47	386	<1	0.01	15	620	36	0.03	<2	3	14
ZZ91932		<10	<1	0.10	10	0.56	399	<1	0.01	16	550	11	0.02	2	5	22
ZZ91933		<10	<1	0.11	10	0.63	595	<1	0.01	13	390	10	0.02	3	4	19
ZZ91934		10	<1	0.10	10	0.51	644	<1	0.01	14	600	11	0.02	<2	4	17
ZZ91935		10	<1	0.08	10	0.45	271	1	0.01	18	340	14	0.02	<2	3	12
ZZ91936		10	<1	0.09	10	0.44	272	<1	0.01	14	380	9	0.03	<2	3	18
ZZ91937		<10	<1	0.08	10	0.41	373	<1	0.01	13	550	9	0.02	<2	3	21
ZZ91938		10	<1	0.08	10	0.43	286	1	0.01	13	440	9	0.03	<2	3	19
ZZ91939		<10	<1	0.09	10	0.46	257	1	0.01	16	470	9	0.04	<2	3	16
ZZ91940		10	<1	0.09	10	0.40	242	1	0.01	12	350	10	0.03	<2	3	15
ZZ91941		10	<1	0.08	10	0.43	243	1	0.01	14	380	12	0.03	<2	3	17
ZZ91942		<10	<1	0.09	10	0.51	225	<1	0.01	15	520	13	0.04	<2	4	21
ZZ91943		<10	<1	0.09	10	0.46	271	<1	0.01	13	630	9	0.04	<2	3	22
ZZ91944		<10	<1	0.09	10	0.44	144	<1	0.01	12	470	12	0.02	<2	3	17
ZZ91945		10	1	0.08	10	0.47	366	<1	0.01	10	380	13	0.01	<2	3	19
ZZ91946		10	<1	0.06	10	0.46	632	1	0.01	12	420	10	0.02	<2	3	25
ZZ91947		10	<1	0.07	10	0.39	250	<1	0.01	10	410	9	0.02	<2	2	20
ZZ91948		10	<1	0.08	10	0.53	834	1	0.01	13	880	50	0.03	<2	3	32
ZZ91949		<10	<1	0.08	10	0.39	279	1	0.01	7	450	14	0.02	<2	2	19
ZZ91950		<10	<1	0.07	10	0.55	245	1	0.01	11	780	15	0.04	<2	4	29
ZZ91951		10	<1	0.10	20	0.67	558	1	0.01	12	800	17	0.04	<2	7	34
ZZ91952		<10	<1	0.12	10	0.70	517	1	0.01	10	820	16	0.05	<2	6	33
ZZ91953		<10	<1	0.14	10	0.69	461	1	0.01	12	780	15	0.04	<2	8	35
ZZ91954		<10	<1	0.07	20	0.42	420	2	0.01	11	440	38	0.02	<2	4	27
ZZ91955		10	<1	0.10	20	0.50	355	3	0.01	14	460	42	0.03	<2	4	35
ZZ91956		10	<1	0.14	10	0.45	433	2	0.01	14	850	61	0.04	<2	6	30
ZZ91957		<10	<1	0.08	10	0.45	361	2	0.01	12	570	37	0.01	<2	4	24
ZZ91958		<10	<1	0.09	10	0.48	562	3	0.01	12	590	58	0.02	<2	4	27
ZZ91959		10	<1	0.11	20	0.59	350	2	0.02	17	830	30	0.03	<2	5	28
ZZ91960		<10	<1	0.08	10	0.50	343	1	0.02	12	560	17	0.02	<2	4	25
ZZ91961		10	1	0.13	10	0.68	545	1	0.03	13	480	18	0.02	<2	5	25
ZZ91962		10	<1	0.09	10	0.54	551	1	0.02	13	410	20	0.02	<2	4	24
ZZ91963		10	<1	0.11	10	0.60	369	1	0.02	13	430	15	0.08	<2	4	22

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102823

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91924		<20	0.04	<10	<10	43	<10	68
ZZ91925		<20	0.08	<10	<10	55	<10	58
ZZ91926		<20	0.06	<10	<10	51	<10	45
ZZ91927		<20	0.06	<10	<10	49	<10	47
ZZ91928		<20	0.06	<10	<10	49	<10	50
ZZ91929		<20	0.03	<10	<10	68	<10	109
ZZ91930		<20	0.04	<10	<10	59	<10	95
ZZ91931		<20	0.07	<10	<10	57	<10	56
ZZ91932		<20	0.07	<10	<10	57	<10	58
ZZ91933		<20	0.06	<10	<10	61	<10	54
ZZ91934		<20	0.06	<10	<10	63	<10	56
ZZ91935		<20	0.09	<10	<10	58	<10	51
ZZ91936		<20	0.07	<10	<10	53	<10	49
ZZ91937		<20	0.07	<10	<10	45	<10	39
ZZ91938		<20	0.07	<10	<10	51	<10	42
ZZ91939		<20	0.08	<10	<10	48	<10	42
ZZ91940		<20	0.09	<10	<10	55	<10	40
ZZ91941		<20	0.10	<10	<10	61	<10	47
ZZ91942		<20	0.08	<10	<10	49	<10	52
ZZ91943		<20	0.07	<10	<10	45	<10	44
ZZ91944		<20	0.07	<10	<10	33	<10	46
ZZ91945		<20	0.08	<10	<10	57	<10	54
ZZ91946		<20	0.07	<10	<10	58	<10	50
ZZ91947		<20	0.07	<10	<10	50	<10	43
ZZ91948		<20	0.04	<10	<10	59	<10	93
ZZ91949		<20	0.10	<10	<10	57	<10	56
ZZ91950		<20	0.09	<10	<10	65	<10	58
ZZ91951		<20	0.11	<10	<10	79	<10	83
ZZ91952		<20	0.13	<10	<10	89	<10	83
ZZ91953		<20	0.12	<10	<10	79	<10	79
ZZ91954		<20	0.06	<10	<10	56	<10	95
ZZ91955		<20	0.07	<10	<10	57	<10	106
ZZ91956		<20	0.05	<10	<10	60	<10	124
ZZ91957		<20	0.07	<10	<10	50	<10	87
ZZ91958		<20	0.07	<10	<10	55	<10	131
ZZ91959		<20	0.06	<10	<10	65	<10	74
ZZ91960		<20	0.08	<10	<10	53	<10	50
ZZ91961		<20	0.13	<10	<10	76	<10	71
ZZ91962		<20	0.10	<10	<10	62	<10	54
ZZ91963		<20	0.12	<10	<10	68	<10	58

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

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

Project: Klaza

Finalized Date: 16-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16102823

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA24	LOG-22	ME-ICP41	SCR-41
WEI-21			

ALS Canada Ltd.

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2016
Account: ROCKHA

CERTIFICATE VA16102824

Project: Klaza

This report is for 200 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

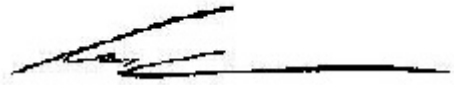
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91964		0.28	0.020	3.7	1.99	40	<10	220	0.5	2	0.36	0.6	12	18	48	3.17
ZZ91965		0.22	0.010	1.0	1.65	31	<10	180	<0.5	2	0.24	0.5	8	22	20	2.63
ZZ91966		0.22	0.020	1.8	1.45	41	<10	180	<0.5	2	0.21	<0.5	8	19	18	2.12
ZZ91967		0.18	0.124	0.7	1.33	16	<10	200	<0.5	2	0.25	<0.5	7	17	21	2.03
ZZ91968		0.24	0.053	0.8	1.41	26	<10	210	<0.5	2	0.19	<0.5	8	15	26	2.35
ZZ91969		0.22	0.062	1.0	1.33	45	<10	240	<0.5	2	0.20	0.7	8	16	42	2.64
ZZ91970		0.20	0.006	0.6	1.26	15	<10	110	<0.5	<2	0.12	<0.5	6	21	18	2.12
ZZ91971		0.28	0.037	0.7	1.41	99	<10	290	0.6	2	0.24	0.9	12	12	70	3.59
ZZ91972		0.28	0.060	1.5	1.33	104	<10	270	0.6	<2	0.56	0.6	13	14	31	3.72
ZZ91973		0.22	0.046	1.4	1.52	89	<10	250	0.6	<2	0.84	0.7	9	12	29	2.98
ZZ91974		0.24	0.070	2.2	1.12	127	<10	360	0.5	<2	0.64	1.4	9	14	22	2.59
ZZ91975		0.24	0.012	0.2	1.20	25	<10	130	<0.5	2	0.22	<0.5	7	19	13	2.01
ZZ91976		0.30	0.018	0.6	0.95	61	<10	140	<0.5	<2	0.24	1.0	13	19	30	2.43
ZZ91977		0.30	0.074	2.6	1.65	224	<10	190	0.6	<2	0.20	1.4	14	24	30	3.05
ZZ91978		0.28	0.018	0.8	1.28	63	<10	160	0.5	<2	0.29	0.6	10	19	43	2.49
ZZ91979		0.24	0.015	0.6	1.33	58	<10	160	0.5	<2	0.25	0.8	9	21	19	2.35
ZZ91980		0.24	0.014	0.7	1.30	18	<10	140	<0.5	<2	0.19	<0.5	5	23	14	1.48
ZZ91981		0.26	<0.005	<0.2	1.65	25	<10	130	0.6	<2	0.16	0.5	8	20	12	2.33
ZZ91982		0.28	0.006	<0.2	1.65	15	<10	280	0.6	2	0.27	<0.5	9	23	12	2.65
ZZ91983		0.22	<0.005	<0.2	1.20	7	<10	210	<0.5	<2	0.32	<0.5	4	18	12	1.70
ZZ91984		0.20	<0.005	0.2	1.01	8	<10	130	<0.5	<2	0.28	<0.5	5	15	12	1.48
ZZ91985		0.26	<0.005	<0.2	1.47	14	<10	280	<0.5	<2	0.42	<0.5	6	20	15	2.08
ZZ91986		0.20	<0.005	0.5	0.97	8	<10	210	<0.5	<2	0.52	0.5	5	14	11	1.55
ZZ91987		0.26	0.008	0.3	0.97	12	<10	410	0.6	<2	0.48	<0.5	7	17	10	2.31
ZZ91988		0.26	<0.005	<0.2	1.30	14	<10	330	0.6	2	0.34	<0.5	7	20	13	2.26
ZZ91989		0.28	<0.005	<0.2	1.25	11	<10	290	0.6	2	0.27	<0.5	8	17	11	2.35
ZZ91990		0.32	<0.005	<0.2	1.03	10	<10	410	0.8	<2	0.23	<0.5	6	18	9	2.02
ZZ91991		0.20	<0.005	<0.2	1.14	11	<10	300	0.5	<2	0.33	<0.5	7	21	10	2.11
ZZ91992		0.30	0.007	<0.2	1.41	26	<10	290	0.7	<2	0.42	<0.5	10	18	17	3.13
ZZ91993		0.20	0.005	<0.2	1.23	14	<10	180	<0.5	2	0.39	<0.5	6	18	11	2.15
ZZ91994		0.26	0.011	<0.2	1.22	10	<10	210	0.5	<2	0.29	<0.5	6	19	12	1.99
ZZ91995		0.30	0.008	<0.2	1.35	19	<10	330	0.7	<2	0.59	<0.5	9	24	15	2.77
ZZ91996		0.28	<0.005	<0.2	1.51	14	<10	310	0.7	<2	0.47	<0.5	8	27	14	2.60
ZZ91997		0.32	<0.005	0.2	1.44	20	<10	280	0.6	<2	0.38	<0.5	7	24	12	2.19
ZZ91998		0.24	<0.005	<0.2	1.32	11	<10	110	<0.5	<2	0.23	<0.5	5	21	8	1.92
ZZ91999		0.26	<0.005	0.2	1.45	17	<10	130	<0.5	2	0.27	<0.5	6	20	12	2.30
ZZ92000		0.22	<0.005	<0.2	1.33	16	<10	130	<0.5	<2	0.20	<0.5	9	19	13	2.11
ZZ103001		0.18	<0.005	<0.2	0.86	6	<10	120	<0.5	<2	0.19	<0.5	5	14	10	1.63
ZZ103002		0.38	<0.005	<0.2	1.42	11	<10	210	0.6	<2	0.29	<0.5	7	22	13	2.26
ZZ103003		0.28	<0.005	<0.2	1.11	10	<10	100	<0.5	2	0.25	<0.5	5	21	10	2.10

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

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

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91964		10	1	0.22	10	0.69	867	1	0.04	11	500	75	0.02	6	6	30
ZZ91965		10	<1	0.12	10	0.54	465	1	0.01	14	450	27	0.02	3	4	19
ZZ91966		<10	<1	0.11	10	0.49	390	1	0.01	12	330	34	0.01	3	4	17
ZZ91967		<10	<1	0.08	10	0.39	462	1	0.01	11	610	23	0.04	2	2	20
ZZ91968		<10	<1	0.10	10	0.44	608	1	0.01	9	360	33	0.01	3	3	18
ZZ91969		<10	<1	0.08	10	0.42	635	1	0.01	9	420	55	0.02	8	3	20
ZZ91970		<10	<1	0.06	10	0.33	440	1	<0.01	12	420	34	0.03	2	1	12
ZZ91971		<10	1	0.13	10	0.44	819	1	<0.01	7	850	62	0.02	12	5	19
ZZ91972		<10	<1	0.20	20	0.48	936	2	0.01	8	860	50	0.04	7	8	34
ZZ91973		<10	1	0.16	20	0.52	748	2	0.01	8	890	47	0.08	5	7	45
ZZ91974		<10	1	0.10	10	0.37	633	1	0.01	8	870	95	0.09	5	5	40
ZZ91975		<10	<1	0.06	10	0.34	440	1	<0.01	11	700	25	0.02	2	2	15
ZZ91976		<10	<1	0.06	10	0.28	631	1	<0.01	13	760	48	0.01	9	3	15
ZZ91977		10	1	0.08	10	0.39	1130	1	<0.01	16	780	81	0.05	10	3	20
ZZ91978		<10	<1	0.07	10	0.36	565	1	0.01	12	780	32	0.02	5	3	20
ZZ91979		<10	1	0.07	10	0.32	498	1	0.01	12	780	46	0.03	2	2	19
ZZ91980		<10	<1	0.06	10	0.40	150	<1	<0.01	11	640	35	0.03	3	2	15
ZZ91981		<10	<1	0.05	10	0.37	653	1	<0.01	11	630	24	0.01	4	3	13
ZZ91982		<10	<1	0.05	10	0.44	390	<1	<0.01	14	810	16	0.02	3	3	18
ZZ91983		<10	<1	0.05	10	0.35	361	1	0.01	9	590	6	0.03	2	1	19
ZZ91984		<10	<1	0.05	10	0.22	202	1	0.01	7	600	9	0.03	2	1	16
ZZ91985		<10	1	0.07	10	0.37	426	1	0.01	12	600	13	0.02	2	2	23
ZZ91986		<10	<1	0.05	10	0.23	424	1	0.01	8	560	49	0.04	3	1	26
ZZ91987		<10	<1	0.09	20	0.24	750	<1	<0.01	10	720	28	0.02	5	3	24
ZZ91988		<10	<1	0.07	20	0.36	614	1	0.01	12	670	17	0.01	3	4	24
ZZ91989		<10	<1	0.07	10	0.37	710	1	0.01	11	590	20	0.01	5	3	17
ZZ91990		<10	<1	0.09	10	0.28	942	<1	<0.01	11	550	19	0.03	2	2	17
ZZ91991		<10	<1	0.07	10	0.33	512	1	0.01	12	450	13	0.03	<2	2	21
ZZ91992		<10	<1	0.09	10	0.41	822	<1	0.01	12	510	14	0.01	8	7	21
ZZ91993		<10	1	0.06	10	0.31	390	1	0.01	11	440	12	0.02	3	2	21
ZZ91994		<10	<1	0.08	10	0.38	436	<1	0.01	12	600	11	0.02	3	2	19
ZZ91995		<10	<1	0.09	20	0.45	753	<1	0.01	13	520	12	0.03	6	6	26
ZZ91996		<10	<1	0.09	10	0.46	644	1	0.01	15	680	12	0.03	2	5	24
ZZ91997		<10	<1	0.08	10	0.40	564	1	<0.01	13	730	21	0.02	5	3	20
ZZ91998		<10	<1	0.05	10	0.41	270	<1	<0.01	11	600	13	0.02	2	2	16
ZZ91999		<10	<1	0.06	10	0.43	177	1	<0.01	11	720	17	0.02	3	3	16
ZZ92000		<10	<1	0.04	10	0.36	661	<1	0.01	10	630	11	0.04	<2	2	14
ZZ103001		<10	<1	0.06	10	0.20	392	1	0.01	8	500	7	0.05	<2	1	18
ZZ103002		<10	<1	0.11	10	0.41	661	1	<0.01	14	790	16	0.04	2	2	20
ZZ103003		10	<1	0.08	10	0.35	371	1	<0.01	11	400	22	0.04	<2	2	17

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

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91964		<20	0.12	<10	<10	70	<10	99
ZZ91965		<20	0.08	<10	<10	56	<10	86
ZZ91966		<20	0.07	<10	<10	49	<10	75
ZZ91967		<20	0.06	<10	<10	50	<10	51
ZZ91968		<20	0.06	<10	<10	55	<10	72
ZZ91969		<20	0.04	<10	<10	56	<10	128
ZZ91970		<20	0.05	<10	<10	48	<10	78
ZZ91971		<20	0.04	<10	<10	82	<10	171
ZZ91972		<20	0.04	<10	<10	76	<10	116
ZZ91973		<20	0.04	<10	<10	65	<10	105
ZZ91974		<20	0.04	<10	<10	48	<10	159
ZZ91975		<20	0.05	<10	<10	44	<10	56
ZZ91976		<20	0.04	<10	<10	44	<10	117
ZZ91977		<20	0.05	<10	<10	52	<10	167
ZZ91978		<20	0.04	<10	<10	49	<10	105
ZZ91979		<20	0.05	<10	<10	51	<10	93
ZZ91980		<20	0.05	<10	<10	40	<10	62
ZZ91981		<20	0.03	<10	<10	46	<10	69
ZZ91982		<20	0.02	<10	<10	49	<10	66
ZZ91983		<20	0.03	<10	<10	37	<10	43
ZZ91984		<20	0.04	<10	<10	38	<10	37
ZZ91985		<20	0.05	<10	<10	44	<10	51
ZZ91986		<20	0.04	<10	<10	35	<10	58
ZZ91987		<20	0.02	<10	<10	39	<10	69
ZZ91988		<20	0.04	<10	<10	44	<10	54
ZZ91989		<20	0.03	<10	<10	45	<10	59
ZZ91990		<20	0.03	<10	<10	39	<10	60
ZZ91991		<20	0.05	<10	<10	47	<10	44
ZZ91992		<20	0.02	<10	<10	59	<10	66
ZZ91993		<20	0.05	<10	<10	50	<10	47
ZZ91994		<20	0.04	<10	<10	43	<10	50
ZZ91995		<20	0.02	<10	<10	54	<10	71
ZZ91996		<20	0.04	<10	<10	53	<10	69
ZZ91997		<20	0.03	<10	<10	45	<10	77
ZZ91998		<20	0.04	<10	<10	42	<10	50
ZZ91999		<20	0.04	<10	<10	44	<10	58
ZZ92000		<20	0.05	<10	<10	55	<10	51
ZZ103001		<20	0.05	<10	<10	42	<10	32
ZZ103002		<20	0.05	<10	<10	44	<10	55
ZZ103003		<20	0.05	<10	<10	47	<10	75

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Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103004		0.22	0.006	0.2	1.47	12	<10	230	0.6	<2	0.30	<0.5	6	20	13	2.19
ZZ103005		0.36	<0.005	0.3	1.01	18	<10	320	0.9	<2	0.24	<0.5	10	19	9	2.95
ZZ103006		0.36	<0.005	<0.2	0.67	14	<10	380	0.6	<2	0.34	<0.5	9	15	8	2.32
ZZ103007		0.24	<0.005	<0.2	1.11	8	<10	250	0.5	3	0.23	<0.5	7	17	9	2.25
ZZ103008		0.18	0.006	0.4	1.83	7	<10	210	0.6	<2	0.20	1.7	7	22	60	2.44
ZZ103009		0.32	<0.005	<0.2	1.34	16	<10	290	0.6	<2	0.32	<0.5	6	19	11	2.28
ZZ103010		0.26	<0.005	0.2	1.74	13	<10	180	0.5	<2	0.23	0.5	8	26	15	2.41
ZZ103011		0.32	<0.005	0.2	1.45	14	<10	90	<0.5	<2	0.20	<0.5	6	20	14	2.17
ZZ103012		0.24	<0.005	0.2	1.72	12	<10	100	<0.5	<2	0.21	<0.5	6	25	11	2.55
ZZ103013		0.18	<0.005	<0.2	1.21	9	<10	110	<0.5	<2	0.13	<0.5	5	18	12	2.33
ZZ103014		0.16	0.006	0.2	1.53	17	<10	220	<0.5	<2	0.36	<0.5	6	20	16	2.13
ZZ103015		0.12	0.012	0.2	1.30	3	<10	170	<0.5	<2	0.48	<0.5	4	20	15	1.07
ZZ103016		0.14	<0.005	<0.2	1.21	20	<10	380	<0.5	<2	0.58	<0.5	5	16	18	1.88
ZZ103017		0.22	0.005	0.2	0.97	19	<10	190	<0.5	<2	0.27	<0.5	5	15	8	1.91
ZZ103018		0.26	0.029	0.8	2.06	63	<10	150	0.5	<2	0.20	<0.5	9	27	22	2.41
ZZ103019		0.18	0.008	0.2	1.75	38	<10	140	<0.5	<2	0.17	<0.5	5	26	15	2.17
ZZ103020		0.32	0.011	0.2	1.44	21	<10	150	<0.5	<2	0.23	<0.5	6	21	14	1.95
ZZ103021		0.32	0.072	1.7	1.58	139	<10	300	0.6	<2	0.34	1.2	9	22	20	2.69
ZZ103022		0.18	0.006	0.3	1.62	29	<10	130	<0.5	<2	0.29	0.5	6	23	15	2.21
ZZ103023		0.16	0.010	0.3	1.28	32	<10	100	<0.5	<2	0.24	0.6	7	22	14	2.30
ZZ103024		0.10	<0.005	0.3	1.04	12	<10	170	<0.5	<2	0.26	2.2	4	19	15	1.99
ZZ103025		0.10	0.008	0.2	1.68	16	<10	130	<0.5	2	0.22	<0.5	6	24	17	2.40
ZZ103026		0.18	0.008	0.3	1.28	29	<10	200	0.5	<2	0.27	<0.5	7	23	11	2.46
ZZ103027		0.10	0.082	0.2	1.53	17	<10	180	<0.5	<2	0.31	0.5	10	18	11	2.59
ZZ103028		0.26	0.013	0.3	1.68	44	<10	120	<0.5	<2	0.25	<0.5	11	36	22	2.56
ZZ103029		0.24	0.027	0.4	1.21	35	<10	260	0.5	<2	0.35	<0.5	19	27	44	4.20
ZZ103030		0.16	0.018	0.6	0.94	37	<10	240	<0.5	<2	0.66	<0.5	9	25	57	2.67
ZZ103031		0.14	0.016	1.5	1.21	33	<10	530	0.6	<2	0.76	<0.5	8	18	46	2.38
ZZ103032		0.18	0.010	0.4	1.19	16	<10	200	<0.5	<2	0.39	<0.5	6	17	8	1.80
ZZ103033		0.26	<0.005	0.6	1.43	28	<10	240	0.5	<2	0.40	0.5	8	20	17	2.53
ZZ103034		0.34	0.021	0.5	1.51	17	<10	240	<0.5	<2	0.38	<0.5	5	19	15	2.05
ZZ103035		0.28	0.010	0.5	1.39	23	<10	210	0.5	<2	0.41	<0.5	8	17	14	2.47
ZZ103036		0.22	<0.005	0.2	1.52	11	<10	170	<0.5	<2	0.27	<0.5	7	22	16	2.11
ZZ103037		0.28	<0.005	0.5	1.60	46	<10	410	0.7	<2	0.85	<0.5	8	15	20	2.86
ZZ103038		0.30	<0.005	0.2	1.19	12	<10	160	<0.5	<2	0.46	<0.5	8	21	16	2.29
ZZ103039		0.20	0.006	0.4	1.61	44	<10	270	0.7	<2	0.52	<0.5	10	19	21	3.36
ZZ103040		0.28	0.010	<0.2	1.33	18	<10	190	0.7	<2	0.41	<0.5	11	18	20	3.46
ZZ103041		0.16	0.009	0.2	0.95	23	<10	140	<0.5	<2	0.23	<0.5	7	16	11	2.36
ZZ103042		0.16	<0.005	<0.2	1.12	14	<10	200	<0.5	<2	0.42	<0.5	7	19	13	2.38
ZZ103043		0.30	0.010	0.3	1.58	14	<10	260	0.8	<2	0.67	<0.5	10	21	24	3.35

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CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103004		<10	<1	0.08	10	0.39	638	1	<0.01	14	710	14	0.06	<2	2	22
ZZ103005		<10	<1	0.11	20	0.22	1115	1	<0.01	13	780	26	0.05	4	2	18
ZZ103006		<10	<1	0.10	20	0.23	1165	<1	<0.01	12	500	24	0.02	4	4	22
ZZ103007		<10	<1	0.09	10	0.35	602	1	0.01	11	330	11	0.02	<2	3	18
ZZ103008		10	<1	0.06	10	0.24	748	2	<0.01	17	850	56	0.08	<2	1	22
ZZ103009		<10	<1	0.08	10	0.36	643	<1	<0.01	11	600	24	0.03	2	3	19
ZZ103010		10	<1	0.10	10	0.45	598	1	0.01	17	550	23	0.04	2	3	20
ZZ103011		10	<1	0.08	10	0.30	410	1	<0.01	10	540	13	0.04	<2	2	18
ZZ103012		10	<1	0.09	10	0.44	222	1	<0.01	14	330	13	0.03	<2	3	18
ZZ103013		10	<1	0.07	10	0.29	208	1	<0.01	10	190	16	0.02	<2	2	14
ZZ103014		10	<1	0.09	10	0.33	684	1	0.01	11	570	11	0.04	2	2	26
ZZ103015		<10	<1	0.06	10	0.31	301	<1	0.01	9	960	5	0.12	2	2	28
ZZ103016		<10	<1	0.05	10	0.33	594	1	0.01	8	1280	13	0.09	2	1	35
ZZ103017		<10	<1	0.05	10	0.35	365	<1	<0.01	8	500	17	0.03	2	2	17
ZZ103018		10	<1	0.06	10	0.52	541	1	<0.01	14	840	50	0.05	2	2	16
ZZ103019		10	<1	0.07	10	0.47	223	1	0.01	13	570	21	0.04	<2	3	15
ZZ103020		<10	<1	0.07	10	0.42	304	<1	0.01	12	620	14	0.03	<2	3	16
ZZ103021		10	<1	0.08	10	0.48	691	1	0.01	13	830	113	0.04	3	5	24
ZZ103022		10	<1	0.07	10	0.40	278	1	0.01	13	510	35	0.03	3	3	19
ZZ103023		10	<1	0.07	10	0.40	286	1	0.01	13	560	39	0.03	<2	3	16
ZZ103024		10	<1	0.05	10	0.24	149	1	<0.01	10	450	13	0.06	<2	2	25
ZZ103025		10	<1	0.06	10	0.33	219	1	<0.01	13	580	17	0.05	<2	3	22
ZZ103026		<10	<1	0.08	20	0.38	553	1	0.01	15	490	27	0.04	2	3	18
ZZ103027		10	<1	0.05	10	0.50	646	<1	0.01	11	670	57	0.05	2	3	22
ZZ103028		<10	<1	0.12	10	0.63	492	<1	0.01	22	470	32	0.02	3	5	18
ZZ103029		<10	<1	0.07	20	0.45	1090	1	0.01	17	620	40	0.04	3	9	19
ZZ103030		<10	<1	0.09	20	0.40	297	<1	0.01	13	930	22	0.04	6	4	26
ZZ103031		<10	<1	0.07	20	0.30	637	1	0.01	10	1150	44	0.11	5	3	30
ZZ103032		<10	<1	0.06	10	0.42	457	<1	<0.01	8	640	16	0.03	4	3	20
ZZ103033		<10	<1	0.09	10	0.47	783	<1	<0.01	10	1010	24	0.05	6	4	23
ZZ103034		10	<1	0.07	10	0.46	365	<1	<0.01	10	810	16	0.06	3	4	21
ZZ103035		<10	<1	0.08	10	0.47	591	1	0.01	10	690	20	0.04	<2	4	21
ZZ103036		<10	<1	0.07	10	0.40	468	1	0.01	14	780	10	0.03	<2	3	21
ZZ103037		<10	<1	0.10	20	0.52	672	<1	<0.01	9	940	16	0.06	<2	6	32
ZZ103038		<10	<1	0.06	10	0.38	461	<1	0.01	12	850	7	0.03	<2	3	25
ZZ103039		<10	<1	0.08	20	0.43	1385	<1	0.01	12	920	20	0.05	<2	5	37
ZZ103040		<10	<1	0.09	20	0.42	1025	<1	0.01	12	960	24	0.02	<2	6	23
ZZ103041		<10	<1	0.07	10	0.26	1200	1	0.01	7	860	19	0.05	<2	2	17
ZZ103042		<10	<1	0.08	10	0.43	652	<1	0.01	11	900	15	0.02	<2	4	24
ZZ103043		<10	<1	0.10	20	0.51	977	<1	0.01	13	1020	49	0.05	<2	8	33

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

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

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103004		<20	0.04	<10	<10	43	<10	58
ZZ103005		<20	0.01	<10	<10	42	<10	82
ZZ103006		<20	0.02	<10	<10	34	<10	78
ZZ103007		<20	0.04	<10	<10	42	<10	57
ZZ103008		<20	0.05	<10	<10	54	<10	67
ZZ103009		<20	0.03	<10	<10	42	<10	64
ZZ103010		<20	0.07	<10	<10	50	<10	72
ZZ103011		<20	0.05	<10	<10	48	<10	42
ZZ103012		<20	0.09	<10	<10	52	<10	47
ZZ103013		<20	0.09	<10	<10	59	<10	46
ZZ103014		<20	0.06	<10	<10	51	<10	52
ZZ103015		<20	0.03	<10	<10	23	<10	34
ZZ103016		<20	0.02	<10	<10	45	<10	49
ZZ103017		<20	0.02	<10	<10	43	<10	54
ZZ103018		<20	0.05	<10	<10	56	<10	92
ZZ103019		<20	0.06	<10	<10	56	<10	59
ZZ103020		<20	0.06	<10	<10	44	<10	50
ZZ103021		<20	0.03	<10	<10	52	<10	185
ZZ103022		<20	0.06	<10	<10	52	<10	57
ZZ103023		<20	0.08	<10	<10	56	<10	63
ZZ103024		<20	0.07	<10	<10	59	<10	33
ZZ103025		<20	0.06	<10	<10	61	<10	49
ZZ103026		<20	0.05	<10	<10	49	<10	65
ZZ103027		<20	0.04	<10	<10	60	<10	94
ZZ103028		<20	0.08	<10	<10	59	<10	86
ZZ103029		<20	0.04	<10	<10	66	<10	93
ZZ103030		<20	0.05	<10	<10	61	<10	77
ZZ103031		<20	0.03	<10	<10	45	<10	84
ZZ103032		<20	0.02	<10	<10	40	<10	74
ZZ103033		<20	0.02	<10	<10	48	<10	95
ZZ103034		<20	0.02	<10	<10	44	<10	82
ZZ103035		<20	0.03	<10	<10	52	<10	69
ZZ103036		<20	0.06	<10	<10	48	<10	51
ZZ103037		<20	0.02	<10	<10	53	<10	87
ZZ103038		<20	0.06	<10	<10	60	<10	54
ZZ103039		<20	0.03	<10	<10	63	<10	82
ZZ103040		<20	0.03	<10	<10	69	<10	118
ZZ103041		<20	0.02	<10	<10	51	<10	82
ZZ103042		<20	0.04	<10	<10	56	<10	60
ZZ103043		<20	0.03	<10	<10	68	<10	118

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Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103044		0.24	<0.005	<0.2	1.49	56	<10	340	0.9	<2	0.31	<0.5	14	28	20	3.40
ZZ103045		0.14	<0.005	<0.2	2.15	9	<10	150	<0.5	<2	0.23	<0.5	8	29	22	2.73
ZZ103046		0.22	0.055	<0.2	1.36	8	<10	110	<0.5	<2	0.42	<0.5	8	27	18	2.36
ZZ103047		0.26	NSS	2.9	1.34	268	<10	260	0.5	<2	0.47	2.3	9	14	27	3.01
ZZ103048		0.12	0.008	0.8	1.24	11	<10	120	<0.5	<2	0.15	1.0	4	24	27	1.97
ZZ103049		0.10	0.014	1.0	0.86	16	<10	140	<0.5	<2	0.16	<0.5	5	18	16	2.15
ZZ103050		0.32	0.013	0.2	1.52	21	<10	200	<0.5	<2	0.22	<0.5	7	26	27	2.38
ZZ103051		0.12	0.067	1.2	1.03	74	<10	370	0.5	<2	0.38	<0.5	8	17	22	2.31
ZZ103052		0.14	0.016	0.6	1.55	26	<10	270	<0.5	<2	0.29	<0.5	8	20	20	2.12
ZZ103053		0.16	0.012	0.3	1.56	43	<10	170	<0.5	<2	0.22	<0.5	8	22	25	2.55
ZZ103054		0.20	0.016	1.7	1.97	41	<10	190	0.5	<2	0.26	<0.5	9	25	34	2.57
ZZ103055		0.44	0.009	0.2	1.59	15	<10	230	<0.5	<2	0.34	<0.5	7	23	27	1.93
ZZ103056		0.30	0.008	0.6	1.86	15	<10	260	0.5	<2	0.36	<0.5	9	26	32	2.32
ZZ103057		0.34	0.008	0.4	1.44	16	<10	170	<0.5	<2	0.33	<0.5	7	22	21	2.11
ZZ103058		0.24	0.012	0.5	1.49	23	<10	280	<0.5	<2	0.40	0.6	8	19	25	2.71
ZZ103059		0.36	0.038	0.4	1.30	59	<10	280	<0.5	<2	0.34	0.6	8	24	41	2.90
ZZ103060		0.12	0.016	1.0	0.76	28	<10	160	<0.5	<2	0.18	0.8	3	11	20	1.19
ZZ103061		0.20	0.018	0.7	0.58	52	<10	130	<0.5	2	0.18	<0.5	3	9	21	1.27
ZZ103062		0.26	0.008	0.3	1.19	14	<10	420	<0.5	<2	0.50	<0.5	6	20	23	2.50
ZZ103063		0.26	0.016	0.2	1.23	13	<10	460	0.5	<2	0.51	<0.5	7	26	20	2.32
ZZ103064		0.18	<0.005	<0.2	0.44	<2	<10	240	<0.5	<2	0.85	<0.5	3	8	17	0.74
ZZ103065		0.26	<0.005	<0.2	1.31	10	<10	630	0.9	<2	0.70	<0.5	10	25	20	3.69
ZZ103066		0.22	<0.005	<0.2	1.26	6	<10	700	0.8	<2	1.26	<0.5	8	18	22	2.86
ZZ103067		0.24	0.008	<0.2	1.21	7	<10	420	<0.5	<2	0.77	<0.5	7	26	14	2.49
ZZ103068		0.30	0.007	<0.2	1.08	11	<10	380	0.5	<2	0.55	<0.5	10	25	21	2.79
ZZ103069		0.26	<0.005	<0.2	0.99	7	<10	130	<0.5	<2	0.16	<0.5	6	19	9	2.13
ZZ103070		0.18	0.008	0.4	0.95	4	<10	370	<0.5	<2	0.81	<0.5	4	12	15	1.45
ZZ103071		0.26	0.017	<0.2	0.83	13	<10	230	<0.5	<2	0.40	<0.5	5	18	18	1.98
ZZ103072		0.26	0.008	0.2	1.22	22	<10	520	0.6	<2	0.38	<0.5	6	21	38	2.61
ZZ103073		0.24	0.038	<0.2	1.13	14	<10	320	<0.5	<2	0.21	<0.5	6	21	14	2.25
ZZ103074		0.22	0.005	<0.2	0.95	8	<10	310	0.5	<2	0.49	<0.5	8	18	14	2.65
ZZ103075		0.20	0.006	<0.2	0.90	5	<10	370	<0.5	<2	0.75	<0.5	6	17	19	1.78
ZZ103076		0.20	<0.005	<0.2	1.30	7	<10	620	0.6	2	0.98	<0.5	8	26	32	2.53
ZZ103077		0.20	0.119	0.2	1.79	11	<10	750	1.1	<2	1.11	<0.5	9	25	39	3.13
ZZ103078		0.14	0.005	0.2	0.64	7	<10	460	<0.5	<2	0.92	<0.5	5	12	22	1.68
ZZ103079		0.22	0.011	<0.2	0.92	14	<10	260	<0.5	<2	0.16	<0.5	6	18	15	2.24
ZZ103080		0.24	<0.005	0.3	2.33	11	<10	370	0.9	<2	0.21	<0.5	11	20	24	5.01
ZZ103081		0.18	<0.005	<0.2	1.10	6	<10	150	<0.5	<2	0.16	<0.5	4	19	14	1.86
ZZ103084		0.20	<0.005	<0.2	1.37	13	<10	110	<0.5	<2	0.25	<0.5	6	22	13	2.32
ZZ103085		0.18	<0.005	<0.2	1.53	10	<10	100	<0.5	<2	0.19	<0.5	7	20	11	2.01

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1016 - 510 W HASTINGS STREET
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Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103044		<10	<1	0.09	20	0.50	1445	1	<0.01	20	800	26	0.02	3	7	24
ZZ103045		10	<1	0.07	10	0.45	441	1	0.01	17	1100	7	0.09	<2	2	25
ZZ103046		<10	<1	0.06	10	0.52	433	<1	0.01	17	1100	10	0.01	<2	3	26
ZZ103047		10	<1	0.14	10	0.47	810	1	0.01	9	830	200	0.06	<2	5	31
ZZ103048		10	<1	0.04	10	0.16	139	1	<0.01	9	560	21	0.04	<2	1	17
ZZ103049		10	<1	0.05	10	0.16	462	1	<0.01	8	660	38	0.06	<2	1	16
ZZ103050		10	<1	0.08	10	0.46	523	2	0.01	14	670	26	0.03	<2	2	19
ZZ103051		<10	<1	0.09	20	0.29	905	2	0.01	10	570	60	0.02	<2	3	27
ZZ103052		<10	<1	0.07	10	0.27	593	2	0.01	10	1120	29	0.11	<2	2	25
ZZ103053		10	<1	0.09	10	0.42	439	1	0.01	13	480	22	0.03	<2	3	17
ZZ103054		10	1	0.07	10	0.49	355	2	0.01	13	390	32	0.01	<2	4	21
ZZ103055		10	<1	0.08	10	0.55	217	1	0.01	12	450	19	0.02	<2	4	23
ZZ103056		<10	<1	0.10	20	0.50	336	1	0.01	16	640	14	0.02	<2	4	26
ZZ103057		<10	<1	0.09	10	0.51	287	1	0.01	12	610	17	0.01	<2	4	21
ZZ103058		10	<1	0.11	10	0.57	446	2	0.01	10	550	49	0.01	<2	4	31
ZZ103059		<10	<1	0.08	10	0.49	452	4	0.01	13	360	104	0.01	<2	4	28
ZZ103060		<10	<1	0.06	10	0.16	115	1	0.02	5	400	23	0.02	<2	1	18
ZZ103061		<10	<1	0.05	10	0.16	160	2	0.02	4	400	42	0.03	<2	1	19
ZZ103062		<10	<1	0.10	10	0.28	319	1	0.01	11	640	7	0.04	<2	5	33
ZZ103063		<10	<1	0.09	10	0.39	315	1	0.01	16	380	8	0.01	<2	6	32
ZZ103064		<10	<1	0.03	<10	0.10	114	<1	0.04	5	660	<2	0.04	<2	1	51
ZZ103065		<10	<1	0.12	20	0.35	506	<1	0.01	17	780	9	0.01	<2	11	35
ZZ103066		<10	<1	0.11	10	0.32	645	<1	0.02	11	1080	8	0.06	<2	7	63
ZZ103067		<10	<1	0.09	10	0.40	339	<1	0.02	16	410	7	0.02	<2	6	44
ZZ103068		<10	<1	0.09	10	0.37	441	<1	0.01	17	440	9	0.01	<2	7	34
ZZ103069		<10	<1	0.08	10	0.25	226	1	<0.01	9	190	7	<0.01	<2	3	13
ZZ103070		<10	<1	0.08	<10	0.16	166	1	0.04	8	640	4	0.05	<2	2	46
ZZ103071		<10	<1	0.06	10	0.30	198	1	0.02	10	420	6	0.03	<2	3	28
ZZ103072		<10	<1	0.10	10	0.23	304	1	0.02	14	600	13	0.04	<2	4	33
ZZ103073		<10	<1	0.06	10	0.31	282	1	0.02	12	230	7	0.01	<2	3	17
ZZ103074		<10	<1	0.07	10	0.30	322	1	0.02	11	360	8	0.02	<2	5	32
ZZ103075		<10	1	0.05	10	0.28	438	<1	0.04	11	490	5	0.04	<2	3	49
ZZ103076		<10	<1	0.08	10	0.40	461	<1	0.02	21	610	7	0.04	<2	6	60
ZZ103077		<10	<1	0.16	20	0.41	618	1	0.02	20	600	14	0.04	<2	12	62
ZZ103078		<10	<1	0.05	10	0.17	261	1	0.03	9	680	8	0.07	<2	3	57
ZZ103079		<10	<1	0.06	10	0.29	166	2	0.01	12	190	7	0.01	<2	3	14
ZZ103080		10	<1	0.15	20	0.50	451	1	0.02	12	690	9	0.01	<2	7	17
ZZ103081		<10	<1	0.06	10	0.23	135	1	0.02	8	480	7	0.01	<2	2	16
ZZ103084		10	<1	0.07	10	0.42	235	1	0.02	11	430	16	0.02	<2	3	16
ZZ103085		<10	<1	0.07	10	0.37	174	1	0.01	13	360	11	0.02	<2	2	14

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CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103044		<20	0.03	<10	<10	64	<10	89
ZZ103045		<20	0.06	<10	<10	67	<10	55
ZZ103046		<20	0.08	<10	<10	61	<10	48
ZZ103047		<20	0.06	<10	<10	63	<10	219
ZZ103048		<20	0.06	<10	<10	60	<10	44
ZZ103049		<20	0.07	<10	<10	64	<10	58
ZZ103050		<20	0.06	<10	<10	55	<10	66
ZZ103051		<20	0.04	<10	<10	39	<10	100
ZZ103052		<20	0.04	<10	<10	47	<10	53
ZZ103053		<20	0.05	<10	<10	51	<10	69
ZZ103054		<20	0.06	<10	<10	61	<10	72
ZZ103055		<20	0.07	<10	<10	58	<10	68
ZZ103056		<20	0.07	<10	<10	53	<10	56
ZZ103057		<20	0.08	<10	<10	55	<10	72
ZZ103058		<20	0.10	<10	<10	71	<10	160
ZZ103059		<20	0.08	<10	<10	60	<10	154
ZZ103060		<20	0.04	<10	<10	32	<10	51
ZZ103061		<20	0.04	<10	<10	31	<10	59
ZZ103062		<20	0.05	<10	<10	51	<10	47
ZZ103063		<20	0.06	<10	<10	48	<10	41
ZZ103064		<20	0.03	<10	<10	20	<10	18
ZZ103065		<20	0.03	<10	<10	58	<10	66
ZZ103066		<20	0.02	<10	<10	48	<10	49
ZZ103067		<20	0.05	<10	<10	54	<10	44
ZZ103068		<20	0.05	<10	<10	52	<10	50
ZZ103069		<20	0.04	<10	<10	48	<10	36
ZZ103070		<20	0.03	<10	<10	35	<10	34
ZZ103071		<20	0.05	<10	<10	43	<10	35
ZZ103072		<20	0.03	<10	<10	42	<10	46
ZZ103073		<20	0.04	<10	<10	47	<10	40
ZZ103074		<20	0.03	<10	<10	47	<10	40
ZZ103075		<20	0.04	<10	<10	36	<10	26
ZZ103076		<20	0.03	<10	<10	47	<10	35
ZZ103077		<20	0.02	<10	<10	51	<10	42
ZZ103078		<20	0.03	<10	<10	34	<10	26
ZZ103079		<20	0.04	<10	<10	49	<10	42
ZZ103080		<20	0.07	<10	<10	102	<10	103
ZZ103081		<20	0.05	<10	<10	46	<10	26
ZZ103084		<20	0.08	<10	<10	54	<10	51
ZZ103085		<20	0.07	<10	<10	44	<10	39

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

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

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103086		0.24	0.007	<0.2	1.49	17	<10	110	<0.5	<2	0.22	<0.5	8	21	18	2.16
ZZ103087		0.20	<0.005	<0.2	1.95	10	<10	80	<0.5	<2	0.17	0.6	7	26	15	2.35
ZZ103088		0.24	<0.005	<0.2	1.59	19	<10	140	<0.5	<2	0.22	<0.5	8	24	29	2.47
ZZ103089		0.32	0.008	<0.2	1.34	28	<10	160	<0.5	<2	0.41	0.6	8	24	18	2.48
ZZ103090		0.22	0.012	<0.2	1.39	35	<10	100	<0.5	<2	0.12	0.5	6	23	20	2.37
ZZ103091		0.26	0.010	0.2	1.50	27	<10	110	<0.5	<2	0.13	<0.5	8	23	16	2.16
ZZ103092		0.18	0.020	0.2	1.09	19	<10	140	<0.5	<2	0.78	0.6	7	16	15	1.92
ZZ103093		Not Recvd														
ZZ103094		Not Recvd														
ZZ103095		Not Recvd														
ZZ103096		0.26	0.023	0.3	1.26	56	<10	170	<0.5	<2	0.43	0.6	9	19	18	2.21
ZZ103097		0.22	<0.005	<0.2	1.45	8	<10	130	<0.5	<2	0.21	<0.5	7	20	14	2.04
ZZ103098		0.18	<0.005	<0.2	1.82	8	<10	70	<0.5	<2	0.12	<0.5	6	25	12	2.47
ZZ103099		0.10	<0.005	<0.2	0.51	<2	<10	20	<0.5	<2	0.09	<0.5	3	4	5	0.80
ZZ103100		0.22	0.010	0.4	1.82	28	<10	170	0.6	<2	0.38	1.4	11	19	17	2.99
ZZ103101		0.24	0.032	0.2	1.50	18	<10	210	0.5	<2	0.52	0.5	10	20	14	3.22
ZZ103102		0.18	<0.005	0.2	1.26	15	<10	180	<0.5	2	0.71	0.6	8	20	16	2.27
ZZ103103		0.20	<0.005	0.3	1.65	23	<10	180	0.5	<2	0.63	<0.5	8	19	18	2.79
ZZ103104		0.40	0.019	0.3	1.61	23	<10	310	0.7	<2	0.63	0.5	10	24	17	3.56
ZZ103105		0.22	0.018	0.2	1.56	13	<10	250	0.5	<2	0.53	<0.5	7	22	17	2.52
ZZ103106		0.12	<0.005	<0.2	1.66	16	<10	110	<0.5	<2	0.16	0.5	8	21	15	3.16
ZZ103107		0.18	<0.005	<0.2	1.27	10	<10	90	<0.5	<2	0.19	<0.5	6	24	14	2.38
ZZ103108		0.26	0.009	<0.2	1.76	11	<10	230	0.9	<2	0.44	<0.5	7	18	13	2.13
ZZ103109		0.22	0.005	0.4	1.24	55	<10	390	1.2	<2	0.31	0.8	13	13	24	3.63
ZZ103110		0.24	<0.005	<0.2	1.26	11	<10	110	<0.5	<2	0.20	<0.5	7	19	13	1.92
ZZ103111		0.14	0.020	0.9	0.89	45	<10	210	<0.5	<2	0.30	<0.5	7	9	26	2.26
ZZ103112		0.14	0.006	0.2	1.08	5	<10	100	<0.5	<2	0.15	<0.5	5	16	20	1.89
ZZ103113		0.18	0.008	<0.2	1.07	8	<10	60	<0.5	<2	0.11	<0.5	5	19	16	1.97
ZZ103114		0.10	<0.005	<0.2	0.25	<2	<10	20	<0.5	2	0.12	<0.5	6	6	9	1.86
ZZ103115		0.20	0.005	<0.2	1.15	12	<10	110	<0.5	<2	0.18	<0.5	6	15	15	2.02
ZZ103116		0.12	0.007	<0.2	1.02	7	<10	80	<0.5	<2	0.13	<0.5	5	18	23	2.35
ZZ103117		0.20	<0.005	<0.2	1.28	8	<10	100	<0.5	<2	0.19	<0.5	8	20	19	2.44
ZZ103118		0.12	<0.005	<0.2	1.22	8	<10	80	<0.5	<2	0.18	<0.5	6	22	12	2.15
ZZ103119		0.26	0.018	<0.2	1.50	7	<10	70	<0.5	<2	0.18	<0.5	7	21	17	2.09
ZZ103120		0.08	0.016	<0.2	1.00	9	<10	120	<0.5	<2	0.23	<0.5	6	20	14	2.16
ZZ103121		0.16	<0.005	<0.2	1.03	7	<10	70	<0.5	<2	0.20	<0.5	6	18	10	1.98
ZZ103122		0.10	<0.005	<0.2	1.33	8	<10	70	<0.5	<2	0.16	<0.5	5	19	14	2.13
ZZ103123		0.18	0.009	<0.2	1.29	7	<10	80	<0.5	<2	0.16	<0.5	6	18	11	2.20
ZZ103124		0.20	<0.005	<0.2	1.29	8	<10	70	<0.5	<2	0.17	<0.5	7	17	10	1.69
ZZ103125		0.20	<0.005	<0.2	1.92	10	<10	200	<0.5	<2	0.23	<0.5	7	27	16	2.71

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VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103086		<10	<1	0.08	10	0.40	278	1	0.02	13	500	17	0.03	<2	2	16
ZZ103087		10	<1	0.06	10	0.40	225	1	0.02	14	490	8	0.02	<2	3	14
ZZ103088		10	<1	0.07	10	0.43	327	1	0.02	13	570	11	0.02	<2	3	15
ZZ103089		<10	<1	0.08	10	0.45	491	1	0.02	14	610	34	0.03	<2	4	21
ZZ103090		<10	<1	0.06	10	0.35	309	1	0.01	13	440	40	0.04	<2	2	12
ZZ103091		<10	<1	0.08	10	0.40	615	1	0.01	17	370	22	0.03	<2	2	12
ZZ103092		<10	<1	0.05	10	0.28	517	1	0.02	9	900	22	0.09	<2	3	29
ZZ103093																
ZZ103094																
ZZ103095																
ZZ103096		<10	1	0.06	10	0.41	607	1	0.02	12	750	46	0.04	<2	3	19
ZZ103097		10	<1	0.05	10	0.35	497	1	0.02	11	530	10	0.03	<2	2	17
ZZ103098		10	<1	0.06	10	0.35	290	1	0.02	13	340	10	0.02	<2	2	11
ZZ103099		<10	<1	0.02	<10	0.05	90	<1	0.04	2	390	2	0.02	<2	<1	9
ZZ103100		10	<1	0.10	10	0.53	596	1	0.02	13	900	22	0.06	<2	4	26
ZZ103101		<10	<1	0.10	10	0.54	629	1	0.02	13	750	18	0.05	2	5	25
ZZ103102		<10	<1	0.07	10	0.44	425	1	0.02	12	910	21	0.08	<2	3	28
ZZ103103		10	<1	0.07	10	0.49	599	1	0.02	11	1040	28	0.08	<2	2	26
ZZ103104		<10	<1	0.14	30	0.64	880	1	0.02	14	960	42	0.04	4	8	23
ZZ103105		10	<1	0.08	10	0.46	550	<1	0.02	12	910	21	0.05	<2	3	24
ZZ103106		10	<1	0.06	10	0.37	550	1	0.02	12	660	22	0.04	<2	3	15
ZZ103107		10	<1	0.07	10	0.39	293	1	0.02	13	510	8	0.04	<2	2	15
ZZ103108		<10	<1	0.11	20	0.44	358	<1	0.02	11	580	14	0.03	<2	4	26
ZZ103109		<10	1	0.10	20	0.29	2100	<1	0.01	10	830	49	0.04	7	6	20
ZZ103110		<10	<1	0.08	10	0.38	379	<1	0.02	14	520	14	0.02	<2	2	13
ZZ103111		<10	<1	0.05	10	0.14	680	1	0.03	6	850	29	0.06	<2	2	17
ZZ103112		<10	<1	0.03	10	0.18	142	1	0.02	10	650	9	0.09	<2	1	16
ZZ103113		<10	<1	0.04	10	0.29	265	1	0.01	9	430	7	0.04	<2	1	10
ZZ103114		<10	<1	0.01	<10	0.07	179	<1	0.02	3	410	3	0.03	<2	1	10
ZZ103115		<10	<1	0.05	10	0.30	384	<1	0.01	9	710	13	0.04	<2	2	14
ZZ103116		10	<1	0.05	10	0.19	289	2	0.01	11	540	8	0.05	<2	1	14
ZZ103117		<10	<1	0.05	10	0.35	386	<1	0.02	13	650	8	0.04	<2	2	14
ZZ103118		<10	<1	0.06	10	0.38	297	1	0.01	12	600	7	0.06	<2	1	14
ZZ103119		<10	<1	0.05	10	0.38	311	1	0.01	14	520	6	0.05	<2	2	14
ZZ103120		<10	1	0.05	10	0.32	333	1	0.02	12	670	11	0.04	<2	1	16
ZZ103121		<10	1	0.05	10	0.27	321	1	0.02	11	670	12	0.05	<2	1	15
ZZ103122		<10	<1	0.04	10	0.30	183	1	0.02	13	520	7	0.05	<2	1	16
ZZ103123		<10	<1	0.04	10	0.27	208	1	0.02	10	370	9	0.02	<2	2	14
ZZ103124		<10	<1	0.05	10	0.32	223	<1	0.02	13	390	6	0.02	<2	2	12
ZZ103125		10	<1	0.06	10	0.48	427	1	0.02	15	550	10	0.04	<2	2	21

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Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103086		<20	0.06	<10	<10	48	<10	47
ZZ103087		<20	0.08	<10	<10	51	<10	44
ZZ103088		<20	0.07	<10	<10	54	<10	45
ZZ103089		<20	0.06	<10	<10	56	<10	91
ZZ103090		<20	0.05	<10	<10	55	<10	70
ZZ103091		<20	0.06	<10	<10	44	<10	58
ZZ103092		<20	0.03	<10	<10	44	<10	56
ZZ103093								
ZZ103094								
ZZ103095								
ZZ103096		<20	0.04	<10	<10	44	<10	96
ZZ103097		<20	0.06	<10	<10	50	<10	39
ZZ103098		<20	0.09	<10	<10	57	<10	46
ZZ103099		<20	0.04	<10	<10	25	<10	11
ZZ103100		<20	0.04	<10	<10	63	<10	81
ZZ103101		<20	0.04	<10	<10	67	<10	82
ZZ103102		<20	0.04	<10	<10	51	<10	65
ZZ103103		<20	0.03	<10	<10	56	<10	91
ZZ103104		<20	0.02	<10	<10	68	<10	101
ZZ103105		<20	0.03	<10	<10	57	<10	60
ZZ103106		<20	0.04	<10	<10	67	<10	60
ZZ103107		<20	0.07	<10	<10	54	<10	52
ZZ103108		<20	0.04	<10	<10	43	<10	42
ZZ103109		<20	0.01	<10	<10	53	<10	107
ZZ103110		<20	0.06	<10	<10	41	<10	45
ZZ103111		<20	0.05	<10	<10	59	<10	67
ZZ103112		<20	0.03	<10	<10	51	<10	43
ZZ103113		<20	0.05	<10	<10	47	<10	37
ZZ103114		<20	0.09	<10	<10	69	<10	26
ZZ103115		<20	0.04	<10	<10	48	<10	85
ZZ103116		<20	0.08	<10	<10	79	<10	40
ZZ103117		<20	0.06	<10	<10	65	<10	51
ZZ103118		<20	0.06	<10	<10	49	<10	49
ZZ103119		<20	0.05	<10	<10	48	<10	45
ZZ103120		<20	0.05	<10	<10	53	<10	39
ZZ103121		<20	0.05	<10	<10	47	<10	45
ZZ103122		<20	0.05	<10	<10	52	<10	37
ZZ103123		<20	0.07	<10	<10	53	<10	37
ZZ103124		<20	0.06	<10	<10	36	<10	33
ZZ103125		<20	0.06	<10	<10	61	<10	51

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CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103126		0.22	0.016	0.7	0.85	66	<10	180	<0.5	<2	0.38	0.6	7	14	12	2.08
ZZ103127		0.20	0.015	0.2	1.09	31	<10	190	<0.5	<2	0.43	0.5	7	19	16	1.91
ZZ103128		0.22	0.030	0.5	1.24	86	<10	230	0.5	<2	0.84	0.8	7	19	26	2.35
ZZ103129		0.26	0.031	0.6	0.95	107	<10	180	<0.5	<2	0.69	1.0	7	14	21	2.28
ZZ103130		0.08	0.040	0.9	0.57	56	<10	180	<0.5	<2	1.45	2.1	4	11	22	1.22
ZZ103131		0.32	0.029	0.2	1.33	51	<10	200	0.8	3	0.54	<0.5	11	15	13	4.29
ZZ103132		0.18	0.758	<0.2	1.44	27	<10	160	<0.5	<2	0.27	<0.5	8	20	11	2.57
ZZ103133		0.12	<0.005	<0.2	1.78	14	<10	100	<0.5	<2	0.24	<0.5	9	28	17	2.58
ZZ103134		0.20	0.163	<0.2	1.41	14	<10	130	<0.5	<2	0.36	<0.5	13	21	20	2.25
ZZ103135		0.22	<0.005	<0.2	1.16	7	<10	100	<0.5	<2	0.20	<0.5	6	19	10	1.91
ZZ103136		0.26	0.005	<0.2	1.62	17	<10	130	<0.5	<2	0.28	<0.5	8	24	17	2.42
ZZ103137		0.14	<0.005	0.2	1.23	10	<10	160	<0.5	<2	0.28	<0.5	6	18	10	1.96
ZZ103138		0.20	<0.005	<0.2	1.61	11	<10	130	<0.5	<2	0.27	<0.5	7	21	20	2.36
ZZ103139		0.18	0.013	<0.2	1.12	7	<10	160	<0.5	<2	0.29	<0.5	6	17	10	2.16
ZZ103140		0.14	0.008	0.3	1.38	32	<10	140	<0.5	<2	0.20	0.7	8	18	14	2.15
ZZ103141		0.24	<0.005	0.3	1.24	13	<10	290	0.6	<2	0.65	<0.5	8	18	16	2.37
ZZ103142		0.28	<0.005	0.2	1.34	17	<10	260	<0.5	<2	0.39	<0.5	8	19	10	2.26
ZZ103143		0.24	<0.005	0.2	1.29	12	<10	210	<0.5	<2	0.51	<0.5	8	22	13	2.07
ZZ103144		0.36	0.006	0.4	1.36	19	<10	200	<0.5	<2	0.37	<0.5	8	20	8	2.27
ZZ103145		0.30	0.013	0.4	1.28	24	<10	240	0.5	<2	0.46	<0.5	7	22	8	2.46
ZZ103146		0.26	0.010	0.2	1.20	17	<10	220	0.5	<2	0.48	<0.5	6	19	12	2.17
ZZ103147		0.34	0.008	0.3	1.06	20	<10	190	<0.5	<2	0.40	<0.5	4	14	9	2.11
ZZ103148		0.34	0.009	0.2	0.86	14	<10	140	<0.5	<2	0.40	<0.5	5	16	12	1.66
ZZ103149		0.36	0.008	0.3	1.10	22	<10	330	0.7	<2	0.41	<0.5	9	22	18	2.71
ZZ103150		0.14	0.013	0.7	1.18	68	<10	270	0.5	<2	0.37	<0.5	8	17	29	2.50
ZZ103151		0.22	0.076	4.6	1.67	117	<10	290	0.7	<2	0.44	1.0	11	25	34	3.15
ZZ103152		0.16	0.011	1.2	1.22	35	<10	160	<0.5	<2	0.32	<0.5	8	13	42	2.41
ZZ103153		0.30	0.009	2.0	1.50	30	<10	230	0.5	<2	0.40	<0.5	13	13	12	3.21
ZZ103154		0.30	0.046	0.7	1.13	104	<10	160	<0.5	<2	0.34	1.9	10	21	21	2.66
ZZ103155		0.10	0.039	<0.2	0.58	6	<10	70	<0.5	<2	0.34	<0.5	4	10	12	1.36
ZZ103156		0.24	0.015	0.6	1.52	31	<10	210	0.6	<2	0.31	0.9	13	21	26	3.05
ZZ103157		0.32	0.009	<0.2	1.34	8	<10	120	<0.5	<2	0.30	<0.5	7	20	17	2.22
ZZ103158		0.22	<0.005	<0.2	1.33	12	<10	140	<0.5	<2	0.29	<0.5	6	22	18	2.49
ZZ103159		0.28	0.006	<0.2	1.19	7	<10	100	<0.5	<2	0.25	<0.5	7	23	14	2.17
ZZ103160		0.18	<0.005	<0.2	1.23	9	<10	80	<0.5	<2	0.10	<0.5	4	18	14	2.10
ZZ103161		0.20	<0.005	<0.2	0.96	10	<10	90	<0.5	<2	0.23	<0.5	6	17	10	1.95
ZZ103162		0.42	<0.005	0.2	1.32	10	<10	180	<0.5	<2	0.38	<0.5	6	22	16	1.98
ZZ103163		0.28	<0.005	0.4	1.68	21	<10	240	0.5	<2	0.45	<0.5	8	27	19	2.62
ZZ103164		0.34	0.044	0.9	1.10	112	<10	320	0.6	<2	0.29	1.3	10	17	17	3.13
ZZ103165		0.32	0.030	0.4	1.32	18	<10	250	<0.5	<2	0.48	0.6	6	19	20	1.80

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

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

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103126		<10	<1	0.07	10	0.32	878	1	0.01	8	650	40	0.02	<2	3	19
ZZ103127		<10	<1	0.07	10	0.42	400	<1	0.02	10	680	24	0.03	<2	4	17
ZZ103128		<10	<1	0.09	20	0.43	405	1	0.02	11	850	52	0.08	3	4	27
ZZ103129		<10	<1	0.08	10	0.31	510	1	0.04	9	710	52	0.06	<2	4	23
ZZ103130		<10	1	0.05	10	0.15	316	1	0.04	8	1080	45	0.19	<2	2	41
ZZ103131		<10	<1	0.10	20	0.48	1030	<1	0.01	12	750	30	0.04	6	9	23
ZZ103132		<10	<1	0.07	10	0.43	403	1	0.02	13	690	19	0.03	<2	3	18
ZZ103133		10	<1	0.06	10	0.48	426	1	0.02	15	780	9	0.10	<2	1	21
ZZ103134		<10	<1	0.08	10	0.47	364	1	0.02	13	840	14	0.06	<2	1	25
ZZ103135		<10	<1	0.06	10	0.34	224	1	0.01	11	530	7	0.05	<2	1	15
ZZ103136		10	<1	0.07	10	0.48	398	1	0.02	14	730	14	0.04	<2	3	17
ZZ103137		<10	<1	0.06	10	0.34	281	1	0.02	9	590	10	0.04	<2	2	19
ZZ103138		10	<1	0.06	10	0.36	327	1	0.02	13	620	12	0.04	<2	3	22
ZZ103139		<10	<1	0.08	10	0.33	402	1	0.02	11	540	9	0.02	<2	3	18
ZZ103140		<10	1	0.06	10	0.36	496	1	0.02	11	760	29	0.05	<2	2	17
ZZ103141		<10	<1	0.06	20	0.31	669	1	0.02	12	1090	27	0.09	<2	3	32
ZZ103142		<10	<1	0.07	10	0.41	511	1	0.02	9	770	22	0.04	<2	4	20
ZZ103143		<10	<1	0.08	10	0.46	493	<1	0.02	13	710	24	0.05	<2	3	23
ZZ103144		<10	<1	0.09	10	0.49	410	<1	0.02	12	520	21	0.03	<2	4	18
ZZ103145		<10	<1	0.10	10	0.48	386	<1	0.01	11	760	28	0.03	2	5	20
ZZ103146		<10	<1	0.08	10	0.41	393	<1	0.02	11	820	20	0.05	2	4	21
ZZ103147		<10	1	0.09	10	0.38	185	<1	0.01	7	590	20	0.03	4	4	15
ZZ103148		<10	<1	0.05	10	0.34	246	1	0.02	9	770	12	0.02	<2	2	19
ZZ103149		<10	<1	0.08	20	0.34	507	1	0.02	15	800	14	0.02	<2	5	21
ZZ103150		<10	<1	0.07	10	0.29	626	1	0.02	10	810	36	0.06	<2	3	21
ZZ103151		<10	<1	0.09	20	0.42	1525	1	0.02	17	1040	112	0.06	7	4	26
ZZ103152		<10	<1	0.05	10	0.24	801	1	0.03	7	1290	16	0.11	<2	2	21
ZZ103153		<10	<1	0.07	10	0.58	1860	1	0.02	7	930	25	0.02	8	5	28
ZZ103154		<10	<1	0.08	10	0.37	1355	1	0.02	14	710	77	0.04	11	4	27
ZZ103155		<10	<1	0.02	<10	0.13	245	1	0.03	5	630	7	0.04	<2	1	18
ZZ103156		<10	1	0.07	10	0.46	1710	<1	0.02	15	760	87	0.02	2	6	17
ZZ103157		<10	<1	0.05	10	0.55	416	<1	0.02	12	830	7	0.01	<2	3	19
ZZ103158		10	<1	0.06	10	0.36	414	1	0.02	14	570	13	0.03	<2	2	19
ZZ103159		<10	<1	0.06	10	0.40	388	1	0.02	15	680	8	0.03	<2	2	17
ZZ103160		10	<1	0.05	10	0.24	243	1	0.02	11	420	9	0.03	<2	1	11
ZZ103161		<10	<1	0.07	10	0.34	399	1	0.03	11	520	7	0.02	<2	2	14
ZZ103162		<10	<1	0.07	10	0.44	428	<1	0.02	11	690	10	0.04	<2	4	18
ZZ103163		10	<1	0.08	10	0.50	597	1	0.02	16	890	17	0.05	<2	2	26
ZZ103164		<10	<1	0.06	10	0.35	1460	1	0.02	11	580	111	0.02	<2	3	17
ZZ103165		<10	<1	0.06	10	0.43	537	<1	0.02	10	810	24	0.04	<2	4	20

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

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102824

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103126		<20	0.03	<10	<10	40	<10	88
ZZ103127		<20	0.03	<10	<10	41	<10	79
ZZ103128		<20	0.03	<10	<10	47	<10	105
ZZ103129		<20	0.04	<10	<10	51	<10	128
ZZ103130		<20	0.03	<10	<10	25	<10	78
ZZ103131		<20	0.02	<10	<10	66	<10	85
ZZ103132		<20	0.05	<10	<10	52	<10	73
ZZ103133		<20	0.06	<10	<10	63	<10	67
ZZ103134		<20	0.06	<10	<10	53	<10	45
ZZ103135		<20	0.05	<10	<10	44	<10	42
ZZ103136		<20	0.06	<10	<10	55	<10	48
ZZ103137		<20	0.03	<10	<10	43	<10	38
ZZ103138		<20	0.06	<10	<10	55	<10	45
ZZ103139		<20	0.05	<10	<10	49	<10	43
ZZ103140		<20	0.05	<10	<10	49	<10	69
ZZ103141		<20	0.03	<10	<10	43	<10	61
ZZ103142		<20	0.02	<10	<10	50	<10	75
ZZ103143		<20	0.05	<10	<10	48	<10	66
ZZ103144		<20	0.04	<10	<10	50	<10	68
ZZ103145		<20	0.02	<10	<10	51	<10	98
ZZ103146		<20	0.03	<10	<10	45	<10	62
ZZ103147		<20	0.02	<10	<10	44	<10	57
ZZ103148		<20	0.05	<10	<10	40	<10	39
ZZ103149		<20	0.03	<10	<10	56	<10	75
ZZ103150		<20	0.05	<10	<10	58	<10	58
ZZ103151		<20	0.03	<10	<10	55	<10	222
ZZ103152		<20	0.04	<10	<10	59	<10	62
ZZ103153		<20	0.02	<10	<10	65	<10	106
ZZ103154		<20	0.03	<10	<10	51	<10	293
ZZ103155		<20	0.04	<10	<10	39	<10	29
ZZ103156		<20	0.03	<10	<10	53	<10	172
ZZ103157		<20	0.05	<10	<10	51	<10	43
ZZ103158		<20	0.07	<10	<10	62	<10	53
ZZ103159		<20	0.06	<10	<10	52	<10	47
ZZ103160		<20	0.05	<10	<10	54	<10	37
ZZ103161		<20	0.05	<10	<10	40	<10	46
ZZ103162		<20	0.03	<10	<10	43	<10	52
ZZ103163		<20	0.04	<10	<10	55	<10	69
ZZ103164		<20	0.02	<10	<10	50	<10	190
ZZ103165		<20	0.03	<10	<10	42	<10	87

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

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

Project: Klaza

Finalized Date: 18-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16102824

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

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

Au-AA24	LOG-22	ME-ICP41	SCR-41
WEI-21			

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

CERTIFICATE VA16102825

Project: Klaza

This report is for 201 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103166		0.32	0.018	0.6	1.13	44	<10	220	0.5	<2	0.64	0.8	8	16	25	2.54
ZZ103167		0.24	0.006	0.2	0.59	24	<10	130	<0.5	2	0.41	<0.5	14	8	12	6.15
ZZ103168		0.26	0.031	0.4	1.10	66	<10	290	0.8	<2	0.56	0.7	11	16	15	3.86
ZZ103169		0.14	0.015	1.0	2.75	36	<10	520	1.1	3	1.39	1.8	15	19	21	4.09
ZZ103170		0.26	0.008	<0.2	1.42	53	<10	140	<0.5	2	0.24	<0.5	8	19	9	3.36
ZZ103171		0.20	0.062	0.7	1.30	410	<10	270	0.8	<2	0.64	1.0	6	17	14	3.34
ZZ103172		0.24	0.013	0.2	0.81	28	<10	240	<0.5	<2	0.32	<0.5	9	10	4	3.32
ZZ103173		0.30	0.009	0.3	1.13	20	<10	150	<0.5	<2	0.53	<0.5	7	15	13	2.32
ZZ103174		0.22	0.005	<0.2	1.56	9	<10	70	<0.5	<2	0.18	<0.5	7	20	15	2.22
ZZ103175		0.32	0.081	0.7	1.41	76	<10	90	<0.5	<2	0.17	<0.5	10	19	15	2.62
ZZ103176		0.22	<0.005	<0.2	1.88	9	<10	90	<0.5	<2	0.15	<0.5	8	25	10	2.35
ZZ103177		0.30	0.019	<0.2	1.14	5	<10	70	<0.5	<2	0.36	<0.5	7	21	11	2.38
ZZ103178		0.26	<0.005	<0.2	1.53	9	<10	110	<0.5	<2	0.25	<0.5	7	23	13	2.22
ZZ103179		0.18	<0.005	<0.2	2.36	10	<10	80	<0.5	<2	0.21	<0.5	7	30	10	2.63
ZZ103180		0.16	<0.005	0.2	1.24	6	<10	140	<0.5	<2	0.42	<0.5	7	18	15	2.21
ZZ103181		0.18	<0.005	<0.2	0.86	12	<10	90	<0.5	<2	0.29	<0.5	5	16	7	1.81
ZZ103182		0.18	0.007	0.2	1.24	15	<10	50	<0.5	<2	0.15	<0.5	6	16	10	1.81
ZZ103183		0.22	<0.005	<0.2	1.05	17	<10	180	<0.5	<2	0.46	<0.5	6	18	12	2.25
ZZ103184		0.28	0.023	0.4	1.05	76	<10	150	0.5	<2	0.47	<0.5	7	16	11	2.40
ZZ103185		0.32	0.007	0.2	1.02	11	<10	110	<0.5	<2	0.40	<0.5	5	16	8	2.02
ZZ103186		0.44	0.008	0.2	1.28	12	<10	260	0.5	<2	0.45	<0.5	6	22	20	1.90
ZZ103187		0.30	<0.005	<0.2	1.52	8	<10	130	<0.5	<2	0.43	<0.5	5	15	9	2.34
ZZ103188		0.30	0.006	0.2	1.15	20	<10	540	0.9	<2	0.35	<0.5	8	16	26	2.69
ZZ103189		0.26	<0.005	<0.2	1.22	15	<10	220	0.6	<2	0.22	<0.5	6	16	16	2.00
ZZ103190		0.38	<0.005	<0.2	0.42	12	<10	350	0.7	<2	0.05	<0.5	3	4	5	1.07
ZZ103191		0.24	0.005	<0.2	1.51	12	<10	120	<0.5	<2	0.17	<0.5	8	19	15	2.11
ZZ103192		0.24	0.008	0.2	1.71	14	<10	120	<0.5	<2	0.15	<0.5	6	24	14	2.48
ZZ103193		0.30	0.048	0.7	1.53	254	<10	160	<0.5	<2	0.41	1.0	8	22	21	2.50
ZZ103194		0.20	0.006	<0.2	1.52	11	<10	130	<0.5	<2	0.36	<0.5	7	23	15	2.20
ZZ103195		0.26	0.008	0.2	1.14	39	<10	100	<0.5	<2	0.46	0.5	6	19	12	1.90
ZZ103196		0.22	0.010	0.9	1.42	30	<10	90	<0.5	<2	0.23	0.8	6	21	17	2.18
ZZ103197		0.26	0.010	0.3	1.30	33	<10	80	<0.5	<2	0.28	<0.5	6	21	14	2.02
ZZ103198		0.26	<0.005	0.2	1.10	21	<10	90	<0.5	<2	0.25	<0.5	6	19	13	2.09
ZZ103199		0.20	0.007	0.4	1.71	43	<10	120	<0.5	<2	0.30	<0.5	7	21	21	2.11
ZZ103200		0.26	<0.005	<0.2	1.38	11	<10	120	<0.5	<2	0.28	<0.5	6	21	18	2.10
ZZ103201		0.28	<0.005	0.2	1.38	11	<10	100	<0.5	<2	0.25	<0.5	6	20	15	2.00
ZZ103202		0.26	<0.005	<0.2	1.11	9	<10	60	<0.5	<2	0.15	<0.5	6	16	10	1.87
ZZ103203		0.34	<0.005	<0.2	1.48	11	<10	100	<0.5	<2	0.23	<0.5	5	21	13	2.09
ZZ103204		0.38	<0.005	<0.2	1.54	9	<10	70	<0.5	<2	0.21	<0.5	6	22	12	2.07
ZZ103205		0.32	<0.005	<0.2	1.40	9	<10	70	<0.5	<2	0.21	<0.5	5	22	10	2.00

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103166		<10	<1	0.08	20	0.35	1310	<1	0.01	11	760	35	0.10	2	5	24
ZZ103167		<10	<1	0.05	10	0.13	1565	1	0.02	5	910	8	0.05	<2	2	18
ZZ103168		<10	<1	0.14	20	0.35	1075	1	0.01	12	900	46	0.04	4	8	20
ZZ103169		10	<1	0.16	30	0.43	3260	1	0.01	15	1470	38	0.12	3	12	38
ZZ103170		<10	<1	0.11	10	0.49	504	1	0.01	11	590	20	0.04	<2	3	16
ZZ103171		<10	<1	0.11	20	0.31	545	<1	0.01	9	1180	59	0.10	3	7	26
ZZ103172		<10	<1	0.11	10	0.21	502	<1	0.01	5	570	41	0.02	<2	3	20
ZZ103173		<10	<1	0.09	10	0.47	412	<1	0.01	9	680	21	0.02	4	5	21
ZZ103174		<10	<1	0.05	10	0.42	304	1	0.01	12	540	9	0.04	<2	1	15
ZZ103175		<10	<1	0.07	10	0.36	676	1	0.01	11	440	48	0.03	3	2	15
ZZ103176		10	<1	0.05	10	0.42	241	1	0.01	16	220	8	0.01	<2	3	12
ZZ103177		<10	<1	0.07	10	0.38	255	1	0.02	11	870	7	0.04	<2	3	33
ZZ103178		<10	<1	0.08	10	0.43	330	1	0.01	15	610	8	0.03	<2	3	20
ZZ103179		10	<1	0.06	10	0.44	250	1	0.01	16	520	9	0.02	<2	3	15
ZZ103180		<10	<1	0.05	20	0.39	429	1	0.01	10	760	14	0.04	<2	2	24
ZZ103181		<10	<1	0.05	10	0.31	319	1	0.01	10	530	8	0.02	<2	2	18
ZZ103182		<10	<1	0.04	10	0.27	514	1	0.01	8	570	12	0.03	<2	1	12
ZZ103183		<10	<1	0.06	10	0.42	347	<1	0.01	10	640	11	0.03	<2	4	22
ZZ103184		<10	<1	0.07	20	0.40	720	1	0.01	10	760	13	0.02	3	4	24
ZZ103185		<10	<1	0.05	10	0.38	377	1	0.01	9	670	7	0.02	<2	3	20
ZZ103186		<10	<1	0.08	10	0.46	252	<1	0.01	13	660	13	0.01	<2	4	25
ZZ103187		<10	<1	0.07	10	0.54	685	<1	0.01	10	780	6	0.01	<2	2	29
ZZ103188		<10	<1	0.11	20	0.33	589	1	<0.01	12	390	21	0.02	5	5	22
ZZ103189		<10	<1	0.07	10	0.35	416	<1	0.01	11	490	14	0.02	<2	3	20
ZZ103190		<10	<1	0.08	10	0.06	671	<1	<0.01	3	100	23	<0.01	<2	2	23
ZZ103191		<10	1	0.05	10	0.38	489	1	0.01	12	440	9	0.03	<2	2	14
ZZ103192		10	<1	0.07	10	0.37	296	1	<0.01	13	320	12	0.02	<2	2	15
ZZ103193		<10	<1	0.08	10	0.46	594	1	0.01	15	660	60	0.02	<2	3	20
ZZ103194		10	<1	0.08	10	0.48	282	1	0.01	14	470	9	0.01	<2	3	19
ZZ103195		<10	<1	0.08	10	0.42	329	1	0.01	11	520	35	0.02	<2	2	20
ZZ103196		<10	<1	0.06	10	0.41	339	1	0.01	12	540	105	0.02	<2	2	15
ZZ103197		<10	<1	0.07	10	0.39	277	<1	0.01	13	690	40	0.01	<2	3	16
ZZ103198		<10	<1	0.06	10	0.34	300	1	0.01	11	660	16	0.01	<2	2	15
ZZ103199		10	<1	0.05	10	0.40	298	1	0.01	12	590	26	0.02	<2	2	18
ZZ103200		10	<1	0.05	10	0.39	271	1	0.01	11	420	20	0.02	<2	2	17
ZZ103201		<10	<1	0.05	10	0.40	296	1	0.01	11	560	20	0.01	<2	2	16
ZZ103202		10	<1	0.06	10	0.31	284	1	0.01	8	350	10	0.01	<2	2	13
ZZ103203		10	<1	0.08	10	0.43	194	1	0.01	12	460	12	0.01	<2	2	16
ZZ103204		<10	<1	0.07	10	0.41	197	1	0.01	12	530	12	0.01	<2	3	14
ZZ103205		<10	<1	0.05	10	0.37	185	1	0.01	10	500	11	0.01	<2	2	14

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103166		<20	0.03	<10	<10	51	<10	91
ZZ103167		<20	0.06	<10	<10	68	<10	46
ZZ103168		<20	0.02	<10	<10	66	<10	125
ZZ103169		<20	0.01	<10	<10	74	<10	175
ZZ103170		<20	0.04	<10	<10	61	<10	54
ZZ103171		<20	0.01	<10	<10	63	<10	188
ZZ103172		<20	0.01	<10	<10	35	<10	87
ZZ103173		<20	0.04	<10	<10	48	<10	62
ZZ103174		<20	0.05	<10	<10	51	<10	45
ZZ103175		<20	0.04	<10	<10	46	<10	78
ZZ103176		<20	0.09	<10	<10	51	<10	42
ZZ103177		<20	0.07	<10	<10	52	<10	40
ZZ103178		<20	0.07	<10	<10	51	<10	42
ZZ103179		<20	0.09	<10	<10	52	<10	48
ZZ103180		<20	0.04	<10	<10	53	<10	48
ZZ103181		<20	0.06	<10	<10	39	<10	49
ZZ103182		<20	0.04	<10	<10	40	<10	45
ZZ103183		<20	0.03	<10	<10	43	<10	39
ZZ103184		<20	0.03	<10	<10	45	<10	57
ZZ103185		<20	0.04	<10	<10	45	<10	38
ZZ103186		<20	0.05	<10	<10	44	<10	57
ZZ103187		<20	0.02	<10	<10	48	<10	35
ZZ103188		<20	0.02	<10	<10	44	<10	65
ZZ103189		<20	0.03	<10	<10	41	<10	40
ZZ103190		<20	0.01	<10	<10	15	<10	27
ZZ103191		<20	0.04	<10	<10	47	<10	39
ZZ103192		<20	0.07	<10	<10	57	<10	47
ZZ103193		<20	0.05	<10	<10	49	<10	125
ZZ103194		<20	0.07	<10	<10	50	<10	45
ZZ103195		<20	0.05	<10	<10	41	<10	79
ZZ103196		<20	0.06	<10	<10	47	<10	109
ZZ103197		<20	0.06	<10	<10	45	<10	65
ZZ103198		<20	0.06	<10	<10	50	<10	46
ZZ103199		<20	0.06	<10	<10	47	<10	57
ZZ103200		<20	0.06	<10	<10	49	<10	45
ZZ103201		<20	0.07	<10	<10	48	<10	41
ZZ103202		<20	0.07	<10	<10	49	<10	36
ZZ103203		<20	0.07	<10	<10	46	<10	43
ZZ103204		<20	0.08	<10	<10	50	<10	43
ZZ103205		<20	0.07	<10	<10	47	<10	39

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103206		0.34	<0.005	<0.2	1.06	9	<10	70	<0.5	<2	0.24	<0.5	4	17	10	1.57
ZZ103207		0.42	0.018	<0.2	0.83	28	<10	70	<0.5	<2	0.28	<0.5	5	18	11	2.09
ZZ103208		0.28	0.014	0.3	1.12	25	<10	140	<0.5	<2	0.34	<0.5	6	17	18	1.73
ZZ103209		0.38	0.016	0.3	1.65	65	<10	210	0.5	<2	0.37	<0.5	9	25	28	2.69
ZZ103210		0.40	<0.005	<0.2	1.37	15	<10	80	<0.5	<2	0.24	<0.5	5	20	11	1.86
ZZ103211		0.36	<0.005	0.9	2.01	32	<10	150	0.6	<2	0.40	0.7	7	24	33	2.01
ZZ103212		0.36	<0.005	<0.2	1.40	32	<10	150	<0.5	<2	0.34	<0.5	6	19	16	1.95
ZZ103213		0.32	<0.005	0.2	1.42	20	<10	100	<0.5	<2	0.23	<0.5	5	21	11	2.07
ZZ103214		0.20	<0.005	0.2	1.34	17	<10	90	<0.5	<2	0.24	<0.5	6	20	11	1.92
ZZ103215		0.30	<0.005	<0.2	1.55	9	<10	170	<0.5	<2	0.32	<0.5	6	22	13	1.80
ZZ103216		0.38	<0.005	<0.2	1.58	10	<10	90	<0.5	<2	0.16	<0.5	7	23	12	2.16
ZZ103217		0.28	<0.005	<0.2	1.28	9	<10	100	<0.5	<2	0.18	<0.5	6	20	11	2.32
ZZ103218		0.30	0.007	0.2	1.70	16	<10	100	<0.5	<2	0.24	<0.5	8	24	13	2.34
ZZ103219		0.28	0.021	0.4	1.54	89	<10	410	0.7	<2	0.51	<0.5	11	18	19	3.31
ZZ103220		0.24	0.021	0.6	1.45	99	<10	370	0.5	<2	0.97	<0.5	8	20	21	2.52
ZZ103221		0.28	<0.005	0.2	0.94	17	<10	190	<0.5	<2	0.48	<0.5	6	18	15	2.06
ZZ103222		0.24	<0.005	<0.2	0.93	10	<10	60	<0.5	<2	0.18	<0.5	5	17	11	2.16
ZZ103223		0.26	<0.005	<0.2	0.35	<2	<10	30	<0.5	<2	0.18	<0.5	3	4	3	1.03
ZZ103224		0.28	<0.005	<0.2	1.27	11	<10	80	<0.5	<2	0.11	<0.5	5	20	9	2.38
ZZ103225		0.30	0.007	<0.2	1.60	10	<10	130	<0.5	<2	0.22	<0.5	7	25	10	2.90
ZZ103226		0.32	<0.005	<0.2	1.98	10	<10	110	<0.5	<2	0.20	<0.5	8	27	10	2.44
ZZ103227		0.30	<0.005	0.2	1.36	7	<10	190	<0.5	<2	0.38	<0.5	7	22	15	2.33
ZZ103228		0.38	0.005	<0.2	1.71	8	<10	240	0.5	<2	0.42	<0.5	8	26	19	2.45
ZZ103229		0.18	<0.005	<0.2	1.31	8	<10	170	<0.5	<2	0.36	<0.5	7	23	11	2.19
ZZ103230		0.30	<0.005	<0.2	1.40	7	<10	140	<0.5	<2	0.29	<0.5	6	22	11	2.20
ZZ103231		0.24	<0.005	<0.2	1.04	5	<10	110	<0.5	<2	0.26	<0.5	9	18	10	2.04
ZZ103232		0.26	<0.005	<0.2	1.29	7	<10	140	<0.5	<2	0.29	<0.5	7	20	13	2.19
ZZ103233		0.32	<0.005	0.3	1.45	23	<10	210	<0.5	<2	0.60	0.5	8	19	25	2.23
ZZ103234		0.30	<0.005	0.2	1.18	14	<10	150	<0.5	<2	0.56	<0.5	7	17	25	2.10
ZZ103235		0.40	0.005	<0.2	1.58	19	<10	180	0.5	<2	0.51	<0.5	10	25	46	3.26
ZZ103236		0.32	<0.005	<0.2	1.40	11	<10	100	<0.5	<2	0.24	<0.5	7	20	21	2.22
ZZ103237		0.26	0.005	<0.2	1.86	13	<10	110	<0.5	<2	0.19	<0.5	8	32	16	3.25
ZZ103238		0.40	<0.005	0.2	1.54	19	<10	130	<0.5	<2	0.25	<0.5	7	23	14	2.30
ZZ103239		0.32	<0.005	<0.2	1.25	9	<10	90	<0.5	<2	0.25	<0.5	7	19	19	2.22
ZZ103240		0.24	<0.005	<0.2	1.54	11	<10	110	<0.5	<2	0.20	<0.5	7	24	14	2.70
ZZ103241		0.24	0.006	0.5	1.73	13	<10	210	<0.5	<2	0.41	<0.5	7	21	17	2.38
ZZ103242		0.26	<0.005	0.2	1.38	12	<10	120	<0.5	<2	0.29	<0.5	6	21	11	2.04
ZZ103243		0.28	<0.005	0.2	1.28	15	<10	120	<0.5	<2	0.24	<0.5	5	20	11	1.85
ZZ103244		0.38	<0.005	<0.2	1.16	13	<10	110	<0.5	<2	0.25	<0.5	4	18	10	1.67
ZZ103245		0.38	0.027	0.2	1.35	10	<10	130	<0.5	<2	0.31	<0.5	5	21	14	1.45

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103206		<10	<1	0.06	10	0.33	154	<1	0.01	9	600	12	0.01	<2	1	15
ZZ103207		<10	<1	0.06	10	0.33	250	1	0.01	10	740	19	0.01	<2	2	15
ZZ103208		<10	<1	0.04	10	0.30	282	1	0.02	8	700	18	0.03	<2	1	19
ZZ103209		10	1	0.09	10	0.47	501	1	0.02	14	530	40	0.02	<2	3	23
ZZ103210		<10	<1	0.07	10	0.38	175	1	0.01	11	530	29	0.01	<2	3	14
ZZ103211		<10	<1	0.07	10	0.40	339	1	0.01	14	860	47	0.04	<2	2	24
ZZ103212		<10	<1	0.07	10	0.39	369	1	0.01	12	740	19	0.03	<2	2	19
ZZ103213		<10	<1	0.07	10	0.39	263	1	0.01	12	470	12	0.01	<2	3	14
ZZ103214		<10	<1	0.06	10	0.36	240	1	0.01	11	460	9	0.01	<2	2	14
ZZ103215		<10	<1	0.06	10	0.43	184	1	0.01	12	550	9	0.03	<2	2	17
ZZ103216		<10	<1	0.07	10	0.41	288	1	0.01	14	490	9	0.03	<2	2	12
ZZ103217		10	<1	0.05	10	0.33	262	1	0.01	12	390	7	0.03	<2	2	15
ZZ103218		<10	<1	0.08	10	0.48	336	1	0.01	15	460	8	0.02	<2	3	19
ZZ103219		<10	<1	0.10	20	0.36	1070	1	0.01	15	860	27	0.04	3	7	24
ZZ103220		<10	<1	0.08	20	0.49	581	1	0.02	14	880	12	0.07	<2	5	41
ZZ103221		<10	<1	0.05	10	0.35	405	1	0.01	10	650	10	0.04	<2	2	24
ZZ103222		<10	<1	0.05	10	0.30	274	1	0.01	8	450	22	0.02	<2	2	13
ZZ103223		<10	<1	0.03	<10	0.05	124	<1	0.03	2	630	<2	0.01	<2	<1	14
ZZ103224		10	<1	0.05	10	0.31	165	1	<0.01	9	230	7	0.01	<2	2	11
ZZ103225		10	<1	0.07	10	0.41	303	1	0.01	13	480	9	0.02	<2	3	17
ZZ103226		<10	<1	0.07	10	0.42	242	1	0.01	16	490	7	0.03	<2	3	16
ZZ103227		<10	<1	0.06	10	0.37	336	1	0.01	12	520	10	0.03	<2	2	22
ZZ103228		10	<1	0.06	10	0.45	572	1	0.01	14	700	11	0.05	<2	3	26
ZZ103229		<10	<1	0.06	10	0.43	467	1	0.01	12	640	9	0.02	<2	3	21
ZZ103230		10	<1	0.05	10	0.41	227	1	0.01	12	430	9	0.01	<2	3	17
ZZ103231		<10	<1	0.05	10	0.33	676	1	0.01	9	560	6	0.01	<2	2	17
ZZ103232		10	<1	0.06	10	0.37	567	1	0.01	11	600	7	0.02	<2	2	19
ZZ103233		<10	<1	0.07	10	0.39	578	1	0.01	12	770	19	0.05	<2	3	28
ZZ103234		<10	<1	0.06	10	0.36	388	<1	0.01	9	640	8	0.04	2	2	26
ZZ103235		<10	<1	0.11	10	0.62	594	1	0.01	14	640	12	0.02	3	7	27
ZZ103236		<10	<1	0.07	10	0.40	296	1	0.01	13	480	8	0.02	<2	3	17
ZZ103237		10	1	0.09	10	0.57	259	1	0.01	16	400	7	0.02	<2	3	15
ZZ103238		<10	<1	0.06	10	0.43	282	1	0.01	13	410	9	0.02	<2	3	17
ZZ103239		<10	<1	0.07	10	0.37	436	1	0.01	11	630	7	0.01	<2	2	16
ZZ103240		10	<1	0.06	10	0.42	330	1	0.01	13	500	7	0.01	<2	3	16
ZZ103241		10	<1	0.05	10	0.42	416	1	0.01	11	600	8	0.04	<2	2	27
ZZ103242		<10	<1	0.06	10	0.42	276	1	0.01	12	470	8	0.02	<2	3	18
ZZ103243		<10	<1	0.07	10	0.38	173	<1	0.01	10	500	9	0.01	<2	2	15
ZZ103244		<10	<1	0.05	10	0.36	180	1	0.01	8	490	10	0.02	<2	1	17
ZZ103245		<10	<1	0.07	10	0.41	130	<1	0.01	11	540	16	0.01	<2	3	19

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103206		<20	0.05	<10	<10	39	<10	38
ZZ103207		<20	0.06	<10	<10	46	<10	47
ZZ103208		<20	0.04	<10	<10	41	<10	47
ZZ103209		<20	0.06	<10	<10	54	<10	86
ZZ103210		<20	0.06	<10	<10	41	<10	46
ZZ103211		<20	0.04	<10	<10	43	<10	69
ZZ103212		<20	0.05	<10	<10	41	<10	49
ZZ103213		<20	0.07	<10	<10	44	<10	48
ZZ103214		<20	0.06	<10	<10	42	<10	40
ZZ103215		<20	0.05	<10	<10	44	<10	39
ZZ103216		<20	0.06	<10	<10	48	<10	41
ZZ103217		<20	0.08	<10	<10	64	<10	43
ZZ103218		<20	0.08	<10	<10	54	<10	51
ZZ103219		<20	0.02	<10	<10	54	<10	76
ZZ103220		<20	0.04	<10	<10	50	<10	60
ZZ103221		<20	0.04	<10	<10	43	<10	42
ZZ103222		<20	0.05	<10	<10	55	<10	45
ZZ103223		<20	0.05	<10	<10	36	<10	15
ZZ103224		<20	0.09	<10	<10	63	<10	38
ZZ103225		<20	0.08	<10	<10	63	<10	49
ZZ103226		<20	0.08	<10	<10	54	<10	47
ZZ103227		<20	0.07	<10	<10	58	<10	53
ZZ103228		<20	0.06	<10	<10	56	<10	55
ZZ103229		<20	0.07	<10	<10	53	<10	51
ZZ103230		<20	0.07	<10	<10	53	<10	43
ZZ103231		<20	0.07	<10	<10	55	<10	47
ZZ103232		<20	0.06	<10	<10	54	<10	45
ZZ103233		<20	0.05	<10	<10	50	<10	65
ZZ103234		<20	0.05	<10	<10	52	<10	46
ZZ103235		<20	0.05	<10	<10	65	<10	73
ZZ103236		<20	0.07	<10	<10	56	<10	40
ZZ103237		<20	0.11	<10	<10	77	<10	52
ZZ103238		<20	0.07	<10	<10	53	<10	44
ZZ103239		<20	0.07	<10	<10	52	<10	36
ZZ103240		<20	0.09	<10	<10	68	<10	46
ZZ103241		<20	0.07	<10	<10	64	<10	46
ZZ103242		<20	0.07	<10	<10	48	<10	39
ZZ103243		<20	0.07	<10	<10	41	<10	41
ZZ103244		<20	0.05	<10	<10	41	<10	42
ZZ103245		<20	0.06	<10	<10	40	<10	48

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103246		0.38	0.017	0.3	1.45	8	<10	160	<0.5	<2	0.41	0.9	7	25	19	1.45
ZZ103247		0.72	0.012	0.3	1.63	24	<10	130	<0.5	<2	0.37	<0.5	6	25	14	2.15
ZZ103248		0.50	0.007	<0.2	1.86	26	<10	120	<0.5	<2	0.30	0.5	7	26	18	2.12
ZZ103249		0.34	<0.005	<0.2	1.80	12	<10	160	<0.5	<2	0.28	<0.5	8	24	13	2.03
ZZ103250		0.30	0.006	0.2	1.41	5	<10	140	<0.5	<2	0.30	<0.5	8	22	15	1.56
ZZ103251		0.24	<0.005	<0.2	1.43	15	<10	110	<0.5	<2	0.25	<0.5	5	20	11	1.63
ZZ103252		0.20	<0.005	0.2	1.84	16	<10	150	0.5	<2	0.25	<0.5	7	26	19	2.47
ZZ103253		0.36	0.015	0.5	1.18	44	<10	260	0.6	<2	0.34	0.6	6	22	11	2.18
ZZ103254		0.20	0.039	1.5	1.57	124	<10	340	0.7	<2	0.43	1.1	9	22	30	2.81
ZZ103255		0.22	0.016	<0.2	1.09	44	<10	130	<0.5	<2	0.35	0.5	10	24	15	2.52
ZZ103256		0.30	0.070	0.6	1.17	61	<10	150	<0.5	<2	0.32	0.8	10	22	21	2.66
ZZ103257		0.22	0.012	0.8	1.52	45	<10	220	0.5	<2	0.34	0.7	9	23	37	2.57
ZZ103258		0.22	0.013	0.2	1.27	41	<10	140	<0.5	<2	0.30	0.6	8	23	14	2.46
ZZ103259		0.20	0.008	<0.2	1.44	26	<10	130	<0.5	<2	0.19	0.5	5	23	15	2.33
ZZ103260		0.30	0.016	0.5	1.36	34	<10	280	0.5	<2	0.55	0.6	8	22	22	2.68
ZZ103261		0.30	0.125	3.6	1.05	274	<10	290	0.7	<2	0.53	3.5	5	13	23	2.55
ZZ103262		0.26	0.016	0.7	1.18	36	<10	390	<0.5	<2	0.39	0.8	7	21	15	2.61
ZZ103263		0.24	0.015	0.6	1.50	30	<10	190	<0.5	<2	0.25	<0.5	7	22	12	2.31
ZZ103264		0.26	0.023	0.9	1.21	49	<10	100	<0.5	<2	0.24	0.5	7	19	13	2.12
ZZ103265		0.26	0.007	0.3	2.04	25	<10	200	0.5	<2	0.29	<0.5	8	24	16	2.62
ZZ103266		0.24	0.087	0.3	2.01	24	<10	140	<0.5	<2	0.21	0.5	8	23	19	2.43
ZZ103267		0.28	0.016	0.5	1.84	17	<10	200	<0.5	<2	0.41	0.9	9	20	16	2.73
ZZ103268		0.34	0.011	0.4	1.70	43	<10	340	0.6	<2	0.51	0.5	9	21	14	3.07
ZZ103269		0.24	0.053	1.0	1.84	57	<10	120	0.5	<2	0.21	0.6	9	25	16	2.59
ZZ103270		0.30	0.010	0.4	2.02	16	<10	170	<0.5	<2	0.20	0.5	10	30	21	2.61
ZZ103271		0.24	0.006	<0.2	1.92	15	<10	150	<0.5	<2	0.27	<0.5	8	31	14	2.63
ZZ103272		0.38	0.050	0.7	0.67	74	<10	130	0.7	<2	0.43	0.6	6	13	12	2.80
ZZ103273		0.32	0.018	0.3	1.06	41	<10	240	<0.5	<2	0.43	0.7	6	18	16	2.19
ZZ103274		0.26	0.030	1.0	1.68	66	<10	350	0.6	<2	0.45	1.5	9	23	30	2.90
ZZ103275		0.18	0.006	0.2	1.88	27	<10	120	<0.5	2	0.28	0.6	9	29	23	3.32
ZZ103276		0.22	0.006	0.3	1.29	30	<10	140	<0.5	<2	0.39	0.6	9	25	28	2.65
ZZ103277		0.22	0.008	<0.2	1.66	21	<10	140	<0.5	<2	0.28	0.9	10	22	17	2.47
ZZ103278		0.24	0.051	<0.2	1.37	47	<10	120	<0.5	<2	0.27	0.7	9	22	14	2.51
ZZ103279		0.30	0.024	0.6	1.20	78	<10	340	0.8	<2	0.43	0.6	10	21	19	3.21
ZZ103280		0.34	0.013	0.6	0.90	36	<10	310	0.9	<2	0.45	0.5	10	21	14	3.15
ZZ103281		0.26	<0.005	0.3	1.43	17	<10	180	0.5	<2	0.29	<0.5	6	19	18	2.11
ZZ103282		0.30	0.009	<0.2	1.27	15	<10	110	<0.5	<2	0.23	<0.5	7	20	17	2.01
ZZ103283		0.28	0.008	0.4	1.09	12	<10	130	<0.5	<2	0.23	<0.5	6	18	13	1.93
ZZ103284		0.26	<0.005	<0.2	1.30	13	<10	170	<0.5	<2	0.30	<0.5	7	20	13	2.04
ZZ103285		0.26	<0.005	<0.2	1.46	14	<10	210	<0.5	<2	0.37	<0.5	8	23	15	2.29

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103246		<10	<1	0.08	10	0.49	347	1	0.02	12	600	38	0.01	<2	3	26
ZZ103247		<10	<1	0.08	10	0.46	199	1	0.01	11	540	26	0.01	<2	3	25
ZZ103248		10	<1	0.09	10	0.49	195	1	0.01	14	550	51	0.01	<2	3	21
ZZ103249		<10	<1	0.06	10	0.37	205	1	0.01	13	720	13	0.01	<2	3	18
ZZ103250		<10	<1	0.07	10	0.40	216	<1	0.02	12	780	10	0.01	<2	3	19
ZZ103251		<10	<1	0.06	10	0.40	229	1	0.01	11	540	11	0.01	<2	2	16
ZZ103252		10	<1	0.06	10	0.50	637	1	0.01	14	770	11	0.04	<2	2	20
ZZ103253		<10	<1	0.10	10	0.37	430	1	0.01	10	560	52	0.02	<2	4	26
ZZ103254		10	<1	0.10	20	0.43	879	3	0.02	13	980	92	0.07	<2	3	32
ZZ103255		<10	<1	0.07	10	0.44	430	1	0.01	13	790	41	0.01	<2	3	22
ZZ103256		<10	<1	0.07	10	0.33	478	1	0.01	12	910	51	0.02	<2	2	22
ZZ103257		10	1	0.08	10	0.41	695	1	0.02	12	970	37	0.06	<2	3	27
ZZ103258		10	<1	0.08	10	0.41	398	1	0.01	12	550	32	0.01	<2	3	21
ZZ103259		10	<1	0.06	10	0.38	279	1	0.01	11	530	34	0.03	<2	2	18
ZZ103260		<10	<1	0.11	20	0.40	577	1	0.02	13	930	30	0.03	<2	4	29
ZZ103261		<10	<1	0.09	20	0.29	528	1	0.01	8	830	344	0.04	4	2	28
ZZ103262		<10	<1	0.09	10	0.28	468	1	0.01	11	590	45	0.02	<2	2	26
ZZ103263		10	<1	0.07	10	0.40	330	1	0.01	11	460	32	<0.01	<2	3	20
ZZ103264		<10	<1	0.08	10	0.36	364	1	0.01	11	500	55	0.01	<2	2	16
ZZ103265		10	<1	0.09	10	0.57	313	1	0.02	13	440	20	0.01	<2	4	24
ZZ103266		<10	<1	0.08	10	0.49	363	1	0.02	14	500	29	0.04	<2	3	18
ZZ103267		10	<1	0.11	10	0.60	493	1	0.03	11	410	51	0.02	<2	5	30
ZZ103268		10	<1	0.14	10	0.54	578	1	0.02	14	580	36	0.02	<2	5	26
ZZ103269		10	<1	0.12	10	0.51	415	1	0.02	15	470	65	0.02	<2	4	16
ZZ103270		<10	<1	0.15	10	0.64	449	<1	0.02	20	230	17	0.01	<2	4	18
ZZ103271		10	<1	0.10	10	0.54	308	1	0.02	17	830	14	0.03	<2	3	22
ZZ103272		<10	<1	0.12	20	0.18	524	1	0.01	9	950	35	0.01	3	6	24
ZZ103273		<10	<1	0.10	10	0.39	379	1	0.02	10	650	31	0.02	<2	4	24
ZZ103274		10	<1	0.14	20	0.49	569	1	0.01	12	870	54	0.04	<2	5	29
ZZ103275		10	<1	0.08	10	0.47	527	1	0.01	14	600	18	0.03	<2	3	23
ZZ103276		<10	<1	0.09	10	0.43	433	1	0.02	13	960	21	0.04	<2	3	24
ZZ103277		<10	<1	0.09	10	0.44	463	1	0.02	14	630	34	0.02	<2	3	19
ZZ103278		<10	<1	0.08	10	0.42	565	1	0.01	12	740	54	0.02	<2	3	19
ZZ103279		<10	<1	0.11	20	0.37	1170	1	0.02	12	780	110	0.03	<2	4	29
ZZ103280		<10	<1	0.14	20	0.31	627	1	0.01	12	780	40	0.01	<2	9	27
ZZ103281		<10	<1	0.06	10	0.38	425	1	0.01	12	770	18	0.05	<2	2	19
ZZ103282		<10	<1	0.06	10	0.39	366	1	0.01	12	670	17	0.02	<2	2	15
ZZ103283		<10	<1	0.05	10	0.35	410	<1	0.01	11	640	15	0.02	<2	2	16
ZZ103284		<10	<1	0.06	10	0.43	444	<1	0.01	12	650	10	0.02	<2	3	19
ZZ103285		<10	<1	0.06	10	0.43	498	<1	0.01	13	710	11	0.04	<2	2	25

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103246		<20	0.08	<10	<10	41	<10	60
ZZ103247		<20	0.07	<10	<10	50	<10	63
ZZ103248		<20	0.07	<10	<10	56	<10	85
ZZ103249		<20	0.06	<10	<10	51	<10	41
ZZ103250		<20	0.07	<10	<10	42	<10	38
ZZ103251		<20	0.06	<10	<10	40	<10	42
ZZ103252		<20	0.05	<10	<10	58	<10	58
ZZ103253		<20	0.02	<10	<10	47	<10	104
ZZ103254		<20	0.04	<10	<10	55	<10	182
ZZ103255		<20	0.08	<10	<10	62	<10	87
ZZ103256		<20	0.06	<10	<10	63	<10	91
ZZ103257		<20	0.05	<10	<10	57	<10	93
ZZ103258		<20	0.07	<10	<10	54	<10	84
ZZ103259		<20	0.06	<10	<10	56	<10	68
ZZ103260		<20	0.04	<10	<10	56	<10	92
ZZ103261		<20	0.02	<10	<10	43	<10	464
ZZ103262		<20	0.04	<10	<10	58	<10	85
ZZ103263		<20	0.08	<10	<10	56	<10	61
ZZ103264		<20	0.07	<10	<10	49	<10	67
ZZ103265		<20	0.09	<10	<10	64	<10	58
ZZ103266		<20	0.07	<10	<10	57	<10	64
ZZ103267		<20	0.08	<10	<10	68	<10	109
ZZ103268		<20	0.05	<10	<10	65	<10	85
ZZ103269		<20	0.08	<10	<10	58	<10	95
ZZ103270		<20	0.11	<10	<10	59	<10	65
ZZ103271		<20	0.07	<10	<10	59	<10	60
ZZ103272		<20	0.02	<10	<10	50	<10	116
ZZ103273		<20	0.06	<10	<10	47	<10	92
ZZ103274		<20	0.06	<10	<10	61	<10	159
ZZ103275		<20	0.10	<10	<10	86	<10	72
ZZ103276		<20	0.06	<10	<10	61	<10	72
ZZ103277		<20	0.07	<10	<10	55	<10	81
ZZ103278		<20	0.06	<10	<10	56	<10	117
ZZ103279		<20	0.05	<10	<10	63	<10	119
ZZ103280		<20	0.03	<10	<10	64	<10	112
ZZ103281		<20	0.03	<10	<10	48	<10	63
ZZ103282		<20	0.05	<10	<10	45	<10	50
ZZ103283		<20	0.04	<10	<10	44	<10	54
ZZ103284		<20	0.04	<10	<10	45	<10	48
ZZ103285		<20	0.05	<10	<10	50	<10	54

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

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Finalized Date: 16-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103286		0.28	<0.005	0.2	1.57	21	<10	190	0.5	<2	0.33	<0.5	8	22	17	2.39
ZZ103287		0.26	<0.005	<0.2	1.40	12	<10	180	<0.5	<2	0.35	<0.5	7	21	14	2.28
ZZ103288		0.30	<0.005	<0.2	1.27	15	<10	170	<0.5	<2	0.34	<0.5	6	18	15	2.11
ZZ103289		0.22	0.005	0.2	2.04	48	<10	340	0.9	<2	0.62	<0.5	12	24	28	3.67
ZZ103290		0.26	<0.005	<0.2	2.29	16	<10	290	0.8	<2	0.40	<0.5	11	31	22	2.98
ZZ103291		0.40	<0.005	<0.2	1.48	12	<10	270	0.5	<2	0.49	<0.5	8	20	14	2.25
ZZ103292		0.38	<0.005	0.2	1.38	10	<10	290	0.6	<2	0.62	<0.5	6	20	12	2.37
ZZ103293		0.46	<0.005	<0.2	1.32	11	<10	350	0.7	<2	0.54	<0.5	14	14	13	3.95
ZZ103294		0.34	0.036	2.4	1.26	61	<10	110	0.5	<2	0.15	0.6	7	21	16	2.21
ZZ103295		0.32	0.028	1.0	1.78	48	<10	210	0.5	<2	0.25	<0.5	9	23	26	3.01
ZZ103296		0.22	0.007	0.3	1.79	25	<10	170	0.5	<2	0.20	<0.5	8	27	24	2.73
ZZ103297		0.24	0.007	0.3	1.96	23	<10	120	<0.5	<2	0.14	<0.5	7	26	15	2.95
ZZ103298		0.24	0.020	0.5	1.66	45	<10	150	<0.5	<2	0.22	<0.5	8	25	19	2.54
ZZ103299		0.20	0.018	0.9	1.80	31	<10	390	<0.5	<2	0.37	<0.5	8	26	19	2.65
ZZ103300		0.24	0.007	0.4	1.70	22	<10	130	<0.5	<2	0.16	<0.5	7	26	15	2.44
ZZ103301		0.24	0.026	0.7	1.69	49	<10	300	<0.5	<2	0.29	0.6	9	23	21	2.56
ZZ103302		0.30	0.014	0.4	1.39	34	<10	240	<0.5	<2	0.44	<0.5	7	17	15	2.30
ZZ103303		0.42	0.018	0.9	1.88	41	<10	270	<0.5	<2	0.63	0.7	14	22	22	2.74
ZZ103304		0.30	0.011	0.4	1.54	15	<10	200	<0.5	<2	0.41	<0.5	9	20	18	2.39
ZZ103305		0.28	0.008	0.2	1.40	10	<10	160	<0.5	<2	0.34	<0.5	8	20	16	2.05
ZZ103306		0.32	0.006	<0.2	1.29	12	<10	180	<0.5	<2	0.34	<0.5	7	20	16	2.07
ZZ103307		0.36	0.007	0.2	1.45	12	<10	170	<0.5	<2	0.33	<0.5	7	22	17	2.03
ZZ103308		0.32	0.016	<0.2	1.33	16	<10	150	<0.5	<2	0.35	<0.5	7	20	18	2.08
ZZ103309		0.38	0.010	0.2	1.82	15	<10	200	<0.5	<2	0.38	<0.5	7	25	23	2.28
ZZ103310		0.16	<0.005	0.2	2.35	15	<10	70	<0.5	<2	0.14	<0.5	6	28	14	3.59
ZZ103311		0.12	<0.005	<0.2	1.24	7	<10	80	<0.5	<2	0.16	<0.5	5	18	13	1.95
ZZ103312		0.26	<0.005	<0.2	1.53	12	<10	120	<0.5	<2	0.22	<0.5	7	24	16	2.55
ZZ103313		0.24	0.017	<0.2	1.28	12	<10	140	<0.5	<2	0.36	<0.5	8	27	12	2.57
ZZ103314		0.32	0.013	0.2	1.20	26	<10	520	0.8	<2	0.39	<0.5	10	24	13	2.95
ZZ103315		0.20	0.018	<0.2	1.73	11	<10	100	<0.5	<2	0.29	<0.5	10	37	17	2.98
ZZ103316		0.28	0.007	<0.2	1.63	13	<10	300	0.7	<2	0.30	<0.5	10	27	26	2.65
ZZ103317		0.18	<0.005	<0.2	1.76	13	<10	100	<0.5	<2	0.20	<0.5	8	27	18	2.43
ZZ103318		0.32	0.026	0.3	1.25	25	<10	180	<0.5	<2	0.30	<0.5	9	19	14	2.51
ZZ103319		0.32	0.016	0.6	1.22	35	<10	310	0.7	<2	0.72	0.5	13	19	20	3.20
ZZ103320		0.34	0.032	1.7	1.10	46	<10	200	0.5	<2	0.41	<0.5	6	22	19	2.39
ZZ103321		0.30	0.021	1.7	1.51	44	<10	340	0.6	<2	0.64	<0.5	8	24	24	2.94
ZZ103322		0.42	0.014	1.0	1.40	36	<10	240	0.6	<2	0.36	0.5	9	24	21	3.04
ZZ103323		0.36	0.008	0.7	1.34	22	<10	200	0.5	<2	0.41	<0.5	7	23	16	2.71
ZZ103324		0.34	0.026	2.3	1.64	40	<10	300	0.7	<2	0.64	<0.5	8	25	22	3.09
ZZ103325		0.28	<0.005	<0.2	1.23	10	<10	80	<0.5	<2	0.22	<0.5	6	21	13	2.29

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

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103286		<10	<1	0.07	10	0.46	579	1	0.01	13	680	15	0.03	<2	3	24
ZZ103287		<10	<1	0.07	10	0.43	580	1	0.01	13	730	13	0.04	<2	3	23
ZZ103288		<10	<1	0.06	10	0.35	480	1	0.02	11	620	12	0.04	2	3	20
ZZ103289		<10	<1	0.10	30	0.47	1320	1	0.01	15	960	22	0.06	4	8	32
ZZ103290		10	<1	0.09	20	0.58	723	1	0.01	18	1070	13	0.06	<2	4	26
ZZ103291		<10	<1	0.08	20	0.49	381	1	0.01	11	750	15	0.04	<2	5	21
ZZ103292		<10	<1	0.09	20	0.51	285	<1	0.01	10	760	15	0.04	<2	8	25
ZZ103293		<10	<1	0.10	10	0.49	1330	<1	0.01	10	610	16	0.03	4	8	20
ZZ103294		<10	<1	0.08	10	0.39	505	<1	0.01	13	380	95	0.02	<2	4	12
ZZ103295		<10	<1	0.12	10	0.54	634	1	0.01	15	550	27	0.02	2	5	17
ZZ103296		10	<1	0.08	10	0.50	448	1	0.01	15	540	15	0.04	<2	3	18
ZZ103297		10	<1	0.08	10	0.47	389	1	0.01	13	490	19	0.04	<2	3	14
ZZ103298		<10	<1	0.09	10	0.50	385	1	0.01	15	370	25	0.02	<2	4	17
ZZ103299		10	<1	0.09	10	0.50	406	1	0.01	15	420	31	0.02	<2	4	25
ZZ103300		10	<1	0.08	10	0.39	297	1	0.01	14	360	21	0.01	<2	3	13
ZZ103301		10	<1	0.08	10	0.48	703	1	0.01	11	630	36	0.02	<2	4	23
ZZ103302		<10	<1	0.12	10	0.54	421	1	0.03	10	480	17	0.02	<2	4	29
ZZ103303		<10	<1	0.10	10	0.60	628	1	0.04	13	610	32	0.04	<2	5	37
ZZ103304		<10	<1	0.09	10	0.54	328	1	0.03	12	560	14	0.02	<2	4	28
ZZ103305		<10	<1	0.10	10	0.51	222	1	0.02	13	490	12	0.01	<2	3	22
ZZ103306		<10	<1	0.09	10	0.48	330	1	0.02	11	480	10	0.01	<2	3	24
ZZ103307		<10	<1	0.09	10	0.54	295	1	0.02	12	420	16	0.01	<2	4	23
ZZ103308		<10	<1	0.08	10	0.49	313	1	0.02	11	540	15	0.01	<2	3	24
ZZ103309		<10	<1	0.10	10	0.56	356	1	0.02	14	600	13	0.77	<2	4	26
ZZ103310		10	<1	0.05	10	0.37	171	1	0.01	11	380	14	0.39	<2	3	15
ZZ103311		10	<1	0.06	10	0.25	260	1	0.02	10	660	8	0.56	<2	1	15
ZZ103312		10	<1	0.09	10	0.39	328	1	0.01	13	480	10	0.04	<2	2	19
ZZ103313		<10	<1	0.10	10	0.42	382	1	0.01	14	710	9	0.02	<2	4	21
ZZ103314		<10	<1	0.08	30	0.36	913	1	0.01	17	590	32	0.02	<2	7	24
ZZ103315		<10	<1	0.06	10	0.64	393	1	0.01	18	560	10	0.04	<2	2	23
ZZ103316		<10	<1	0.08	20	0.51	450	1	0.01	17	690	12	0.03	<2	5	23
ZZ103317		10	<1	0.08	10	0.48	326	1	0.01	17	460	12	0.03	<2	3	15
ZZ103318		<10	<1	0.10	10	0.40	451	<1	0.01	11	670	28	0.03	3	5	18
ZZ103319		<10	<1	0.14	20	0.45	463	1	0.01	12	1060	42	0.04	5	10	25
ZZ103320		<10	<1	0.09	20	0.43	453	1	0.01	12	750	38	0.03	6	5	19
ZZ103321		<10	<1	0.08	20	0.41	766	1	0.01	13	1290	25	0.09	3	5	31
ZZ103322		<10	<1	0.08	20	0.41	985	1	0.01	13	980	31	0.03	3	4	22
ZZ103323		<10	<1	0.07	10	0.45	736	1	0.01	13	640	18	0.04	4	6	20
ZZ103324		10	<1	0.10	20	0.48	1175	<1	0.01	15	1030	25	0.06	6	6	30
ZZ103325		<10	<1	0.06	10	0.40	380	<1	0.01	12	630	9	0.03	3	2	14

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

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103286		<20	0.04	<10	<10	51	<10	64
ZZ103287		<20	0.04	<10	<10	51	<10	63
ZZ103288		<20	0.04	<10	<10	47	<10	62
ZZ103289		<20	0.02	<10	<10	67	<10	115
ZZ103290		<20	0.03	<10	<10	64	<10	76
ZZ103291		<20	0.02	<10	<10	48	<10	78
ZZ103292		<20	0.02	<10	<10	54	<10	81
ZZ103293		<20	0.02	<10	<10	70	<10	138
ZZ103294		<20	0.05	<10	<10	45	<10	107
ZZ103295		<20	0.08	<10	<10	64	<10	71
ZZ103296		<20	0.06	<10	<10	60	<10	60
ZZ103297		<20	0.09	<10	<10	72	<10	64
ZZ103298		<20	0.09	<10	<10	61	<10	60
ZZ103299		<20	0.08	<10	<10	63	<10	69
ZZ103300		<20	0.08	<10	<10	58	<10	50
ZZ103301		<20	0.06	<10	<10	61	<10	85
ZZ103302		<20	0.08	<10	<10	54	<10	58
ZZ103303		<20	0.08	<10	<10	65	<10	80
ZZ103304		<20	0.08	<10	<10	56	<10	53
ZZ103305		<20	0.08	<10	<10	51	<10	49
ZZ103306		<20	0.07	<10	<10	50	<10	46
ZZ103307		<20	0.08	<10	<10	48	<10	51
ZZ103308		<20	0.07	<10	<10	49	<10	53
ZZ103309		<20	0.09	<10	<10	53	<10	51
ZZ103310		<20	0.12	<10	<10	92	<10	34
ZZ103311		<20	0.07	<10	<10	51	<10	46
ZZ103312		<20	0.08	<10	<10	65	<10	49
ZZ103313		<20	0.08	<10	<10	63	<10	45
ZZ103314		<20	0.03	<10	<10	55	<10	74
ZZ103315		<20	0.09	<10	<10	75	<10	52
ZZ103316		<20	0.05	<10	<10	55	<10	50
ZZ103317		<20	0.08	<10	<10	55	<10	68
ZZ103318		<20	0.04	<10	<10	57	<10	84
ZZ103319		<20	0.03	<10	<10	71	<10	105
ZZ103320		<20	0.03	<10	<10	49	<10	96
ZZ103321		<20	0.03	<10	<10	57	<10	88
ZZ103322		<20	0.04	<10	<10	60	<10	110
ZZ103323		<20	0.03	<10	<10	57	<10	84
ZZ103324		<20	0.03	<10	<10	60	<10	99
ZZ103325		<20	0.05	<10	<10	55	<10	44

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103326		0.24	<0.005	<0.2	1.23	8	<10	90	<0.5	<2	0.19	<0.5	6	22	13	2.07
ZZ103327		0.18	0.009	<0.2	1.35	9	<10	80	<0.5	<2	0.13	<0.5	6	22	13	2.38
ZZ103328		0.24	0.007	<0.2	1.47	8	<10	80	<0.5	<2	0.15	<0.5	7	23	13	2.23
ZZ103329		0.26	0.010	<0.2	1.53	8	<10	90	<0.5	<2	0.24	<0.5	8	24	17	2.30
ZZ103330		0.32	<0.005	<0.2	1.20	6	<10	100	<0.5	<2	0.47	<0.5	6	23	15	1.93
ZZ103331		0.24	<0.005	<0.2	1.61	9	<10	140	0.5	<2	0.31	<0.5	9	26	16	2.75
ZZ103332		0.26	0.010	<0.2	1.63	8	<10	100	<0.5	<2	0.20	<0.5	9	25	27	2.54
ZZ103333		0.32	0.007	<0.2	1.42	8	<10	100	<0.5	<2	0.25	<0.5	9	27	15	2.72
ZZ103334		0.32	<0.005	<0.2	1.39	18	<10	160	0.5	<2	0.46	<0.5	9	25	16	2.62
ZZ103335		0.24	0.006	0.2	0.88	16	<10	160	<0.5	2	0.35	<0.5	5	16	10	1.92
ZZ103336		0.34	<0.005	0.3	1.68	14	<10	200	0.5	<2	0.53	<0.5	8	23	17	2.77
ZZ103337		0.32	0.005	0.6	1.63	22	<10	170	0.5	<2	0.29	<0.5	7	25	18	2.37
ZZ103338		0.36	0.005	0.5	1.80	22	<10	280	0.5	<2	0.51	<0.5	7	23	19	2.65
ZZ103339		0.28	0.009	0.3	1.26	23	<10	140	<0.5	<2	0.27	<0.5	6	21	14	2.07
ZZ103340		0.26	0.011	0.2	1.14	23	<10	250	<0.5	<2	0.59	<0.5	6	17	18	2.28
ZZ103341		0.28	0.018	0.6	1.41	35	<10	260	0.6	<2	0.48	1.1	6	17	22	2.82
ZZ103342		0.26	<0.005	0.2	1.54	17	<10	160	<0.5	<2	0.55	<0.5	6	21	17	2.43
ZZ103343		0.26	0.008	<0.2	1.23	15	<10	100	<0.5	<2	0.20	<0.5	6	16	17	1.92
ZZ103344		0.30	<0.005	<0.2	1.05	43	<10	450	1.3	2	0.19	<0.5	11	12	6	4.25
ZZ103345		0.28	<0.005	<0.2	1.40	12	<10	90	<0.5	<2	0.19	<0.5	5	21	15	2.22
ZZ103346		0.38	0.014	<0.2	0.97	16	<10	590	0.9	<2	0.51	<0.5	7	9	7	2.41
ZZ103347		0.32	0.016	0.3	1.53	40	<10	240	0.7	2	0.38	0.5	15	18	11	3.68
ZZ103348		0.22	<0.005	<0.2	1.77	17	<10	130	<0.5	<2	0.19	<0.5	10	22	55	2.69
ZZ103349		0.26	0.045	1.0	1.73	105	<10	120	0.5	<2	0.20	1.0	8	23	20	2.49
ZZ103350		0.28	0.017	0.3	1.71	59	<10	150	<0.5	2	0.27	0.8	9	19	17	2.83
ZZ103351		0.20	<0.005	<0.2	1.46	12	<10	90	<0.5	<2	0.17	<0.5	6	20	15	2.29
ZZ103352		0.18	<0.005	<0.2	1.52	11	<10	90	<0.5	<2	0.19	<0.5	6	22	14	2.32
ZZ103353		0.24	0.007	0.2	1.20	23	<10	180	<0.5	<2	0.22	<0.5	6	17	18	1.83
ZZ103354		0.24	0.016	0.4	1.68	45	<10	190	<0.5	<2	0.40	0.8	8	21	22	2.52
ZZ103355		0.22	<0.005	<0.2	1.87	14	<10	100	<0.5	<2	0.17	0.8	6	25	15	2.49
ZZ103356		0.22	0.018	0.5	1.82	31	<10	170	0.6	<2	0.35	1.2	8	25	29	2.28
ZZ103357		0.20	0.015	0.4	1.45	64	<10	140	<0.5	<2	0.40	0.6	6	23	22	2.30
ZZ103358		0.28	0.068	0.5	1.44	162	<10	160	0.5	<2	0.30	1.2	9	23	23	2.49
ZZ103359		0.30	0.045	0.3	1.17	69	<10	180	1.3	<2	0.32	<0.5	19	40	46	4.27
ZZ103360		0.26	0.013	<0.2	2.59	15	<10	210	0.6	<2	0.74	<0.5	15	15	37	3.02
ZZ103361		0.30	0.011	0.2	1.41	21	<10	280	0.7	<2	0.48	<0.5	11	16	62	3.15
ZZ103362		0.24	0.016	0.3	0.86	31	<10	290	0.7	<2	0.91	<0.5	6	12	23	2.28
ZZ103363		0.30	0.014	0.2	0.92	17	<10	230	0.5	<2	0.81	<0.5	5	16	16	1.93
ZZ103364		0.40	0.012	0.2	1.20	29	<10	220	0.6	<2	0.54	<0.5	8	21	21	2.30
ZZ103365		0.24	<0.005	<0.2	1.47	10	<10	140	<0.5	<2	0.27	<0.5	7	22	14	2.10

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103326		<10	<1	0.05	10	0.37	323	1	0.01	14	520	8	0.03	<2	2	15
ZZ103327		10	<1	0.05	10	0.39	340	1	0.01	12	460	8	0.04	2	2	12
ZZ103328		10	<1	0.05	10	0.39	429	1	0.01	14	440	7	0.03	<2	2	13
ZZ103329		<10	<1	0.06	10	0.47	439	<1	0.01	16	560	7	0.03	<2	3	17
ZZ103330		<10	<1	0.08	10	0.47	398	<1	0.02	12	850	10	0.01	<2	4	35
ZZ103331		10	<1	0.05	10	0.71	667	1	0.01	16	730	12	0.02	3	3	22
ZZ103332		10	<1	0.05	10	0.45	478	1	0.01	17	860	8	0.05	2	2	16
ZZ103333		<10	<1	0.05	10	0.48	406	<1	0.01	17	480	6	0.02	2	3	17
ZZ103334		10	<1	0.10	10	0.51	702	<1	0.02	15	880	9	0.01	4	7	31
ZZ103335		<10	<1	0.07	10	0.31	397	<1	0.01	8	610	11	0.03	2	2	19
ZZ103336		<10	<1	0.09	20	0.62	343	<1	0.01	11	750	14	0.04	5	8	21
ZZ103337		10	<1	0.08	10	0.50	472	1	0.01	15	620	13	0.04	2	3	22
ZZ103338		10	<1	0.08	10	0.54	771	1	0.01	14	900	24	0.04	2	4	27
ZZ103339		<10	<1	0.08	10	0.43	352	<1	0.01	12	540	20	0.03	2	3	17
ZZ103340		<10	<1	0.08	10	0.40	429	<1	0.01	10	890	22	0.04	4	4	25
ZZ103341		<10	<1	0.11	10	0.45	489	<1	0.01	9	540	61	0.03	6	7	19
ZZ103342		10	<1	0.11	10	0.41	478	1	0.01	12	830	25	0.05	<2	3	21
ZZ103343		<10	<1	0.07	10	0.33	343	<1	0.01	10	570	10	0.02	3	2	14
ZZ103344		<10	<1	0.17	30	0.24	1960	<1	<0.01	10	450	29	0.02	11	8	12
ZZ103345		10	<1	0.07	10	0.34	185	1	0.01	11	440	12	0.03	<2	2	15
ZZ103346		<10	<1	0.14	20	0.20	654	1	<0.01	6	740	22	0.02	2	4	29
ZZ103347		<10	<1	0.13	10	0.49	1200	1	0.01	10	550	34	0.04	9	5	21
ZZ103348		10	<1	0.07	10	0.48	383	<1	0.01	15	320	10	0.02	2	3	15
ZZ103349		10	1	0.09	10	0.47	575	1	0.01	15	550	64	0.03	3	2	18
ZZ103350		10	<1	0.09	10	0.52	581	1	0.01	11	620	21	0.03	3	3	21
ZZ103351		10	<1	0.06	10	0.31	286	1	0.01	9	490	18	0.01	<2	2	14
ZZ103352		10	<1	0.08	10	0.41	201	1	0.01	13	450	15	0.02	2	2	15
ZZ103353		<10	<1	0.06	10	0.29	339	1	0.01	11	460	21	<0.01	<2	2	16
ZZ103354		10	1	0.07	10	0.40	704	1	0.01	14	760	71	0.03	<2	2	23
ZZ103355		10	<1	0.06	10	0.40	289	1	0.01	12	400	25	<0.01	<2	3	13
ZZ103356		10	<1	0.06	20	0.38	491	1	0.01	14	560	67	0.02	<2	3	21
ZZ103357		10	<1	0.06	10	0.38	310	1	0.01	12	540	48	0.01	<2	3	24
ZZ103358		<10	<1	0.08	10	0.48	935	1	0.01	16	690	73	<0.01	<2	5	18
ZZ103359		10	<1	0.21	30	0.41	2590	1	0.01	19	350	12	<0.01	11	15	22
ZZ103360		10	<1	0.16	10	1.23	1265	<1	0.01	9	500	15	<0.01	<2	5	48
ZZ103361		<10	<1	0.07	30	0.57	1025	1	0.01	12	740	13	<0.01	9	7	20
ZZ103362		<10	<1	0.08	20	0.28	508	1	0.01	7	650	40	0.04	<2	4	37
ZZ103363		<10	<1	0.07	10	0.30	361	<1	0.01	9	700	11	0.04	<2	3	32
ZZ103364		<10	<1	0.08	20	0.40	570	1	0.01	11	710	17	0.02	<2	4	26
ZZ103365		<10	<1	0.05	10	0.40	416	1	0.01	12	670	9	0.01	<2	2	19

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

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

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103326		<20	0.07	<10	<10	52	<10	42
ZZ103327		<20	0.05	<10	<10	59	<10	45
ZZ103328		<20	0.07	<10	<10	53	<10	43
ZZ103329		<20	0.08	<10	<10	56	<10	46
ZZ103330		<20	0.09	<10	<10	47	<10	48
ZZ103331		<20	0.06	<10	<10	69	<10	55
ZZ103332		<20	0.05	<10	<10	63	<10	54
ZZ103333		<20	0.08	<10	<10	70	<10	45
ZZ103334		<20	0.08	<10	<10	58	<10	68
ZZ103335		<20	0.04	<10	<10	42	<10	55
ZZ103336		<20	0.02	<10	<10	58	<10	77
ZZ103337		<20	0.06	<10	<10	53	<10	58
ZZ103338		<20	0.04	<10	<10	56	<10	76
ZZ103339		<20	0.05	<10	<10	47	<10	76
ZZ103340		<20	0.04	<10	<10	50	<10	80
ZZ103341		<20	0.02	<10	<10	56	<10	228
ZZ103342		<20	0.03	<10	<10	53	<10	93
ZZ103343		<20	0.04	<10	<10	45	<10	41
ZZ103344		<20	0.01	<10	<10	63	<10	87
ZZ103345		<20	0.06	<10	<10	57	<10	40
ZZ103346		<20	0.01	<10	<10	31	<10	59
ZZ103347		<20	0.02	<10	<10	73	<10	118
ZZ103348		<20	0.06	<10	<10	60	<10	50
ZZ103349		<20	0.06	<10	<10	55	<10	81
ZZ103350		<20	0.05	<10	<10	64	<10	121
ZZ103351		<20	0.09	<10	<10	63	<10	41
ZZ103352		<20	0.08	<10	<10	56	<10	51
ZZ103353		<20	0.05	<10	<10	43	<10	54
ZZ103354		<20	0.05	<10	<10	57	<10	108
ZZ103355		<20	0.08	<10	<10	59	<10	68
ZZ103356		<20	0.06	<10	<10	49	<10	82
ZZ103357		<20	0.05	<10	<10	55	<10	75
ZZ103358		<20	0.05	<10	<10	50	<10	120
ZZ103359		<20	0.01	<10	<10	65	<10	85
ZZ103360		<20	0.01	<10	<10	58	<10	73
ZZ103361		<20	0.02	<10	<10	54	<10	51
ZZ103362		<20	0.01	<10	<10	38	<10	90
ZZ103363		<20	0.03	<10	<10	37	<10	50
ZZ103364		<20	0.03	<10	<10	45	<10	58
ZZ103365		<20	0.05	<10	<10	50	<10	41

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

ALS Canada Ltd.

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ103366		0.26	<0.005	<0.2	1.83	11	<10	90	<0.5	<2	0.20	<0.5	7	22	14	2.07

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ103366		<10	1	0.05	10	0.37	290	1	0.01	12	550	7	<0.01	<2	3	16

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

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Finalized Date: 16-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102825

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ103366		<20	0.07	<10	<10	48	<10	40

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 16-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16102825

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA24	LOG-22	ME-ICP41	SCR-41
WEI-21			

ALS Canada Ltd.

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

CERTIFICATE VA16102830

Project: Klaza

P.O. No.: Soil 1

This report is for 62 Soil samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91501		0.32	<0.005	<0.2	1.67	11	<10	180	<0.5	<2	0.27	<0.5	7	23	18	1.91
ZZ91502		0.28	0.011	0.8	1.50	16	<10	150	<0.5	<2	0.27	<0.5	6	22	20	1.52
ZZ91503		0.28	0.007	0.2	1.18	11	<10	100	<0.5	<2	0.25	<0.5	4	17	11	1.41
ZZ91504		0.30	0.010	0.3	1.57	13	<10	180	<0.5	<2	0.34	<0.5	7	22	17	1.90
ZZ91505		0.30	0.008	0.3	1.56	12	<10	140	<0.5	2	0.24	<0.5	7	21	15	1.93
ZZ91506		0.30	0.020	0.6	2.27	19	<10	250	<0.5	<2	0.37	<0.5	9	27	27	2.47
ZZ91507		0.24	<0.005	<0.2	1.10	11	<10	130	<0.5	2	0.30	<0.5	6	16	13	1.92
ZZ91508		0.16	<0.005	0.2	1.93	10	<10	220	<0.5	<2	0.42	<0.5	10	25	17	2.45
ZZ91509		0.28	0.013	<0.2	1.42	21	<10	190	<0.5	<2	0.31	<0.5	7	21	13	2.13
ZZ91510		0.24	0.006	0.3	1.40	10	<10	160	<0.5	<2	0.28	<0.5	7	19	18	2.06
ZZ91511		0.22	<0.005	<0.2	1.13	7	<10	190	<0.5	<2	0.34	<0.5	5	16	14	1.85
ZZ91512		0.30	0.005	<0.2	1.50	8	<10	230	<0.5	2	0.40	<0.5	7	20	13	2.24
ZZ91513		0.22	0.009	<0.2	1.82	9	<10	250	<0.5	<2	0.30	0.6	8	25	18	2.45
ZZ91514		0.20	0.008	<0.2	1.72	10	<10	140	0.5	<2	0.19	<0.5	8	22	14	2.16
ZZ91515		0.16	0.009	<0.2	3.04	12	<10	110	0.5	<2	0.24	<0.5	12	31	20	2.61
ZZ91516		0.18	0.011	<0.2	1.59	8	<10	140	<0.5	2	0.20	<0.5	6	23	15	2.17
ZZ91517		0.18	0.013	<0.2	1.70	11	<10	210	0.5	2	0.38	<0.5	8	23	19	2.28
ZZ91518		0.32	<0.005	<0.2	1.32	33	<10	370	1.0	2	0.59	<0.5	13	17	12	4.16
ZZ91519		0.18	<0.005	<0.2	1.07	7	<10	120	<0.5	<2	0.21	<0.5	6	16	13	1.88
ZZ91520		0.22	0.008	<0.2	1.69	12	<10	130	0.6	<2	0.24	<0.5	8	25	13	2.45
ZZ91521		0.30	0.010	<0.2	1.00	8	<10	130	<0.5	<2	0.33	<0.5	6	19	10	1.94
ZZ91522		0.22	<0.005	<0.2	1.28	7	<10	450	<0.5	<2	0.47	<0.5	7	16	11	1.92
ZZ91523		0.30	0.014	<0.2	1.07	14	<10	140	0.5	<2	0.34	<0.5	7	18	13	2.16
ZZ91524		0.20	0.016	<0.2	1.06	11	<10	140	<0.5	<2	0.30	<0.5	6	19	10	2.01
ZZ91525		0.24	0.010	<0.2	1.27	8	<10	110	<0.5	2	0.19	<0.5	7	21	12	2.15
ZZ91526		0.22	0.015	<0.2	1.67	7	<10	100	<0.5	<2	0.18	<0.5	6	23	19	2.24
ZZ91527		0.18	<0.005	<0.2	1.45	9	<10	90	<0.5	<2	0.21	<0.5	7	20	11	1.89
ZZ91528		0.28	0.009	0.2	0.54	139	<10	600	0.9	2	0.25	0.9	18	5	6	4.25
ZZ91529		0.20	0.007	<0.2	1.09	9	<10	110	<0.5	<2	0.22	<0.5	6	20	12	2.02
ZZ91530		0.28	0.026	<0.2	1.06	13	<10	360	0.5	2	0.29	<0.5	6	20	12	2.19
ZZ91531		0.28	<0.005	<0.2	0.98	19	<10	490	0.7	<2	0.39	0.6	7	14	15	2.34
ZZ91532		0.26	<0.005	0.5	1.80	21	<10	400	0.5	2	0.40	0.6	9	21	27	2.55
ZZ91533		0.16	0.015	<0.2	1.64	10	<10	140	<0.5	<2	0.28	<0.5	8	19	22	2.27
ZZ91534		0.16	0.011	<0.2	1.62	8	<10	160	<0.5	<2	0.34	<0.5	7	20	17	2.32
ZZ91535		0.18	<0.005	<0.2	1.89	8	<10	90	<0.5	<2	0.17	<0.5	8	23	15	2.22
ZZ91536		0.16	0.005	<0.2	1.55	10	<10	160	<0.5	2	0.33	<0.5	9	22	15	2.38
ZZ91537		0.22	0.010	<0.2	1.40	10	<10	150	<0.5	2	0.31	<0.5	8	21	12	2.14
ZZ91538		0.20	0.008	<0.2	1.72	11	<10	250	<0.5	<2	0.38	<0.5	8	23	15	2.37
ZZ91539		0.18	0.005	0.5	1.92	25	<10	220	<0.5	<2	0.35	<0.5	9	24	19	2.63
ZZ91540		0.16	0.005	0.6	1.33	23	<10	110	<0.5	<2	0.26	0.5	5	19	13	2.26

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

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91501		<10	<1	0.09	10	0.49	172	<1	0.01	14	640	10	0.01	<2	3	19
ZZ91502		10	<1	0.08	10	0.46	207	1	0.02	12	640	18	0.02	3	3	18
ZZ91503		<10	<1	0.07	10	0.41	140	1	0.02	10	520	13	0.02	3	2	16
ZZ91504		<10	<1	0.13	10	0.51	218	<1	0.02	15	720	13	0.01	2	4	21
ZZ91505		<10	<1	0.08	10	0.47	189	1	0.02	11	440	15	0.01	<2	3	17
ZZ91506		10	<1	0.13	10	0.64	329	1	0.02	17	650	16	0.02	2	4	28
ZZ91507		10	<1	0.07	10	0.33	404	<1	0.02	9	510	12	0.01	<2	2	21
ZZ91508		10	<1	0.11	10	0.58	478	1	0.02	14	600	12	0.04	2	3	31
ZZ91509		<10	<1	0.08	10	0.43	401	1	0.01	12	610	11	0.02	4	3	20
ZZ91510		<10	<1	0.09	10	0.42	339	<1	0.01	11	600	14	0.02	4	3	19
ZZ91511		<10	<1	0.05	10	0.31	185	<1	0.02	9	650	9	0.03	4	2	19
ZZ91512		10	<1	0.09	10	0.46	443	1	0.02	12	600	9	0.02	4	4	26
ZZ91513		10	<1	0.09	10	0.55	512	1	0.02	15	530	18	0.03	2	3	23
ZZ91514		<10	<1	0.07	20	0.47	389	<1	0.02	15	600	7	0.04	<2	3	14
ZZ91515		10	<1	0.10	10	0.67	518	1	0.02	23	680	8	0.07	2	2	20
ZZ91516		10	<1	0.06	10	0.37	330	1	0.01	12	630	7	0.06	<2	1	18
ZZ91517		<10	<1	0.07	10	0.41	639	1	0.02	14	1090	10	0.04	3	2	28
ZZ91518		<10	<1	0.10	30	0.34	1410	1	0.01	12	1930	20	0.02	16	9	25
ZZ91519		<10	<1	0.05	10	0.31	397	1	0.01	9	610	8	0.03	<2	1	15
ZZ91520		10	<1	0.08	10	0.46	447	1	0.01	17	460	11	0.02	3	3	19
ZZ91521		<10	<1	0.07	10	0.36	332	<1	0.02	11	780	7	0.01	2	3	18
ZZ91522		10	<1	0.05	10	0.29	835	<1	0.02	9	910	11	0.05	3	3	21
ZZ91523		<10	<1	0.07	20	0.33	558	1	0.01	11	710	11	0.02	3	3	21
ZZ91524		<10	<1	0.07	10	0.33	410	1	0.02	11	520	10	0.03	3	2	21
ZZ91525		<10	<1	0.06	10	0.38	375	<1	0.02	13	360	6	0.02	2	2	17
ZZ91526		10	<1	0.07	10	0.38	310	1	0.01	14	490	8	0.05	<2	2	17
ZZ91527		<10	<1	0.05	10	0.36	219	<1	0.01	13	530	5	0.04	2	2	16
ZZ91528		<10	1	0.12	<10	0.13	4120	<1	0.01	7	640	51	0.01	8	9	15
ZZ91529		10	<1	0.07	10	0.33	291	1	0.01	13	520	8	0.04	2	1	17
ZZ91530		<10	<1	0.07	20	0.34	855	1	0.02	11	650	34	0.02	3	3	18
ZZ91531		<10	<1	0.10	10	0.24	1045	<1	0.01	9	560	25	0.02	7	3	28
ZZ91532		10	<1	0.09	10	0.53	563	1	0.02	14	680	43	0.04	4	4	28
ZZ91533		10	<1	0.07	10	0.44	307	1	0.02	10	630	8	0.03	<2	2	24
ZZ91534		10	<1	0.07	10	0.42	252	1	0.02	11	590	7	0.04	2	2	25
ZZ91535		10	<1	0.07	10	0.43	264	1	0.02	13	530	8	0.04	3	2	14
ZZ91536		10	<1	0.11	10	0.51	763	1	0.02	11	610	9	0.03	<2	3	23
ZZ91537		10	<1	0.11	10	0.47	383	1	0.02	13	570	7	0.03	2	3	21
ZZ91538		10	<1	0.10	10	0.60	329	1	0.04	15	380	8	0.03	<2	4	27
ZZ91539		10	<1	0.14	10	0.57	507	1	0.03	15	510	23	0.02	<2	4	27
ZZ91540		10	<1	0.07	10	0.32	209	1	0.03	9	360	33	0.03	<2	2	20

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91501		<20	0.06	<10	<10	53	<10	45
ZZ91502		<20	0.07	<10	<10	42	<10	57
ZZ91503		<20	0.06	<10	<10	37	<10	52
ZZ91504		<20	0.09	<10	<10	44	<10	55
ZZ91505		<20	0.07	<10	<10	49	<10	46
ZZ91506		<20	0.08	<10	<10	59	<10	64
ZZ91507		<20	0.08	<10	<10	55	<10	49
ZZ91508		<20	0.08	<10	<10	63	<10	50
ZZ91509		<20	0.05	<10	<10	50	<10	45
ZZ91510		<20	0.06	<10	<10	49	<10	49
ZZ91511		<20	0.05	<10	<10	50	<10	49
ZZ91512		<20	0.06	<10	<10	52	<10	56
ZZ91513		<20	0.06	<10	<10	56	<10	153
ZZ91514		<20	0.06	<10	<10	50	<10	45
ZZ91515		<20	0.08	<10	<10	61	<10	61
ZZ91516		<20	0.05	<10	<10	51	<10	45
ZZ91517		<20	0.05	<10	<10	55	<10	58
ZZ91518		<20	0.03	<10	<10	81	<10	68
ZZ91519		<20	0.03	<10	<10	46	<10	36
ZZ91520		<20	0.06	<10	<10	55	<10	49
ZZ91521		<20	0.05	<10	<10	46	<10	38
ZZ91522		<20	0.02	<10	<10	46	<10	60
ZZ91523		<20	0.04	<10	<10	48	<10	48
ZZ91524		<20	0.05	<10	<10	44	<10	48
ZZ91525		<20	0.06	<10	<10	53	<10	36
ZZ91526		<20	0.07	<10	<10	55	<10	50
ZZ91527		<20	0.06	<10	<10	43	<10	38
ZZ91528		<20	0.01	<10	<10	54	<10	297
ZZ91529		<20	0.06	<10	<10	49	<10	43
ZZ91530		<20	0.05	<10	<10	48	<10	68
ZZ91531		<20	0.01	<10	<10	44	<10	86
ZZ91532		<20	0.04	<10	<10	55	<10	182
ZZ91533		<20	0.05	<10	<10	57	<10	45
ZZ91534		<20	0.05	<10	<10	55	<10	38
ZZ91535		<20	0.07	<10	<10	54	<10	42
ZZ91536		<20	0.06	<10	<10	60	<10	49
ZZ91537		<20	0.07	<10	<10	52	<10	42
ZZ91538		<20	0.08	<10	<10	57	<10	44
ZZ91539		<20	0.10	<10	<10	64	<10	78
ZZ91540		<20	0.09	<10	<10	66	<10	53

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

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ91601		0.30	0.012	<0.2	1.83	11	<10	170	<0.5	<2	0.30	<0.5	8	24	15	1.90
ZZ91602		0.28	0.010	0.2	1.70	9	<10	190	<0.5	<2	0.30	<0.5	6	23	17	1.61
ZZ91603		0.24	<0.005	<0.2	1.16	10	<10	130	<0.5	<2	0.33	<0.5	6	18	10	1.79
ZZ91604		0.20	0.005	<0.2	1.51	10	<10	150	<0.5	<2	0.30	<0.5	6	22	14	1.87
ZZ91605		0.24	0.006	<0.2	1.59	13	<10	150	<0.5	<2	0.31	<0.5	7	23	15	2.06
ZZ91606		0.18	0.013	0.3	1.33	7	<10	150	<0.5	<2	0.26	<0.5	4	20	14	1.19
ZZ91607		0.20	0.023	0.2	1.51	8	<10	220	<0.5	<2	0.32	<0.5	5	23	14	1.60
ZZ91608		0.10	<0.005	<0.2	1.41	3	<10	270	<0.5	<2	0.38	<0.5	8	22	17	2.28
ZZ91609		0.20	<0.005	<0.2	1.39	6	<10	180	<0.5	<2	0.36	<0.5	7	21	11	1.88
ZZ91610		0.12	0.005	<0.2	1.65	8	<10	240	<0.5	<2	0.30	<0.5	8	23	13	2.31
ZZ91611		0.08	0.008	<0.2	1.64	8	<10	280	<0.5	<2	0.45	<0.5	7	21	12	2.25
ZZ91612		0.16	0.006	<0.2	1.85	10	<10	280	0.5	<2	0.37	<0.5	8	23	15	2.56
ZZ91613		0.10	<0.005	<0.2	1.66	10	<10	150	<0.5	<2	0.33	<0.5	7	23	12	2.20
ZZ91614		0.06	<0.005	<0.2	1.37	10	<10	180	<0.5	<2	0.33	<0.5	6	22	12	2.22
ZZ91615		0.08	0.005	<0.2	1.25	12	<10	110	<0.5	<2	0.23	<0.5	5	20	13	2.16
ZZ91616		0.18	<0.005	<0.2	1.37	8	<10	90	<0.5	<2	0.17	<0.5	5	21	16	2.28
ZZ91617		0.14	0.014	<0.2	1.09	8	<10	110	<0.5	<2	0.27	<0.5	6	20	11	2.15
ZZ91551		0.44	<0.005	<0.2	1.25	8	<10	150	<0.5	<2	0.34	<0.5	4	20	9	1.59
ZZ91552		0.22	<0.005	<0.2	1.59	12	<10	160	0.5	<2	0.27	<0.5	9	22	16	2.49
ZZ91553		0.08	<0.005	<0.2	1.36	8	<10	160	<0.5	<2	0.30	<0.5	5	17	18	1.84
ZZ91554		0.10	0.009	<0.2	1.29	11	<10	210	0.5	<2	0.36	<0.5	6	18	17	1.89
ZZ91555		0.22	<0.005	<0.2	1.94	11	<10	280	0.5	<2	0.36	<0.5	8	24	16	2.61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ91601		10	<1	0.09	10	0.48	191	<1	0.03	15	660	11	0.02	<2	4	19
ZZ91602		10	<1	0.10	10	0.49	214	<1	0.03	11	500	14	0.03	<2	3	22
ZZ91603		<10	<1	0.09	10	0.43	294	1	0.03	11	640	8	0.02	<2	3	20
ZZ91604		10	<1	0.10	10	0.46	209	<1	0.03	12	590	9	0.03	<2	3	20
ZZ91605		<10	<1	0.11	10	0.49	242	1	0.03	12	610	8	0.02	<2	3	20
ZZ91606		<10	<1	0.07	10	0.41	142	<1	0.02	9	500	14	0.03	<2	3	17
ZZ91607		10	<1	0.07	10	0.45	220	<1	0.03	11	660	14	0.04	<2	3	22
ZZ91608		<10	<1	0.06	10	0.40	697	<1	0.03	10	930	8	0.07	<2	2	24
ZZ91609		<10	<1	0.09	10	0.45	328	<1	0.03	12	460	9	0.03	<2	3	24
ZZ91610		10	<1	0.12	10	0.51	395	<1	0.03	14	560	7	0.04	<2	3	21
ZZ91611		10	<1	0.09	10	0.48	340	1	0.03	12	610	9	0.06	<2	3	32
ZZ91612		10	<1	0.13	20	0.58	528	1	0.03	14	510	12	0.03	<2	4	27
ZZ91613		10	<1	0.11	10	0.43	292	1	0.03	13	610	10	0.06	<2	2	24
ZZ91614		10	<1	0.08	10	0.40	287	1	0.03	13	540	9	0.05	<2	2	25
ZZ91615		10	<1	0.07	10	0.29	190	1	0.02	11	410	8	0.05	<2	1	20
ZZ91616		10	<1	0.05	10	0.32	212	1	0.02	11	390	7	0.04	<2	1	15
ZZ91617		<10	<1	0.07	10	0.34	296	<1	0.03	10	620	8	0.02	<2	2	19
ZZ91551		<10	<1	0.07	10	0.43	153	1	0.03	11	530	12	0.02	<2	3	21
ZZ91552		<10	<1	0.10	10	0.42	552	1	0.03	12	680	9	0.03	<2	3	20
ZZ91553		10	<1	0.06	10	0.29	249	1	0.04	9	740	8	0.07	<2	2	24
ZZ91554		<10	<1	0.06	10	0.27	452	1	0.03	10	880	11	0.06	5	2	27
ZZ91555		10	<1	0.12	10	0.58	476	<1	0.03	15	650	10	0.03	<2	4	27

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CERTIFICATE OF ANALYSIS VA16102830

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ91601		<20	0.07	<10	<10	43	<10	48
ZZ91602		<20	0.07	<10	<10	44	<10	51
ZZ91603		<20	0.07	<10	<10	43	<10	43
ZZ91604		<20	0.07	<10	<10	44	<10	45
ZZ91605		<20	0.08	<10	<10	49	<10	48
ZZ91606		<20	0.05	<10	<10	33	<10	50
ZZ91607		<20	0.05	<10	<10	39	<10	60
ZZ91608		<20	0.04	<10	<10	35	<10	51
ZZ91609		<20	0.06	<10	<10	44	<10	71
ZZ91610		<20	0.08	<10	<10	54	<10	49
ZZ91611		<20	0.06	<10	<10	52	<10	51
ZZ91612		<20	0.07	<10	<10	54	<10	57
ZZ91613		<20	0.07	<10	<10	55	<10	46
ZZ91614		<20	0.06	<10	<10	52	<10	50
ZZ91615		<20	0.07	<10	<10	59	<10	40
ZZ91616		<20	0.07	<10	<10	58	<10	43
ZZ91617		<20	0.06	<10	<10	51	<10	50
ZZ91551		<20	0.08	<10	<10	41	<10	47
ZZ91552		<20	0.06	<10	<10	53	<10	46
ZZ91553		<20	0.05	<10	<10	45	<10	38
ZZ91554		<20	0.05	<10	<10	47	<10	43
ZZ91555		<20	0.08	<10	<10	60	<10	54

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

ALS Canada Ltd.
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www.alsglobal.com

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

Project: Klaza

Finalized Date: 14-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16102830

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA24	LOG-22	ME-ICP41	SCR-41
WEI-21			

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE VA16104643

Project: Klaza

P.O. No.: Batch 1

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

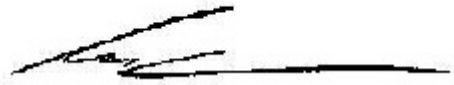
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104643

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K291901		2.94	0.24	7.34	7.3	2100	1.56	0.23	2.65	0.22	52.9	5.9	17	18.05	15.8	2.97
K291902		<0.02	0.13	7.66	6.4	2150	1.57	0.19	2.73	0.21	54.4	6.0	13	18.25	11.2	3.02
K291903		2.08	0.16	7.57	9.8	2200	1.71	0.24	2.65	0.22	43.5	7.3	16	16.85	10.0	3.10
K291904		1.12	6.24	7.10	476	960	1.54	6.46	1.03	15.35	44.3	7.3	18	13.80	161.5	6.01
K291905		2.68	0.33	7.27	35.1	2030	1.67	0.70	2.31	1.32	36.2	5.9	16	20.2	21.4	3.10
K291906		1.94	0.26	7.16	12.2	1990	1.71	0.40	2.54	0.69	48.3	6.0	23	18.75	9.9	3.20
K291907		1.56	0.39	6.86	30.3	2150	1.58	0.78	3.17	1.56	49.9	5.5	16	16.45	9.8	3.21
K291908		0.30	4.65	7.05	746	1050	1.44	3.37	2.16	11.00	49.9	10.8	25	12.35	315	5.23
K291909		1.80	1.10	7.64	50.6	1000	1.84	1.28	1.82	6.21	51.8	6.7	19	25.1	12.0	4.28
K291910		2.90	2.01	7.71	121.5	1130	1.72	1.82	1.34	19.75	55.7	6.5	16	20.8	27.9	4.61
K291911		2.16	2.53	7.42	262	980	1.78	1.41	1.64	27.8	45.9	8.0	14	18.95	29.2	4.71
K291912		1.72	5.98	6.50	168.5	1470	1.36	3.57	1.64	70.0	41.7	5.8	13	9.91	89.0	5.63
K291913		1.50	12.55	4.94	350	550	1.33	11.05	2.67	139.0	33.0	5.4	10	11.05	244	5.92
K291914		6.02	0.02	0.09	0.3	30	0.06	0.04	22.2	0.29	1.28	0.7	<1	0.26	2.5	0.53
K291915		2.20	0.82	7.38	45.1	1640	1.36	1.27	1.70	6.77	45.1	8.9	13	18.70	23.9	4.00
K291916		1.36	0.13	8.12	59.5	2290	1.38	0.21	1.44	2.30	47.2	7.5	10	36.6	11.8	3.32
K291917		3.00	0.15	7.51	12.2	2440	1.65	0.21	2.71	0.35	44.7	5.0	15	15.40	5.8	3.25
K291918		1.36	0.67	7.45	56.1	1290	1.52	0.46	2.33	2.87	55.9	5.2	17	25.4	10.6	3.49
K291919		2.34	0.28	6.92	44.5	1240	1.59	0.20	2.79	0.65	43.2	4.7	17	23.6	4.6	2.84
K291920		6.02	0.01	0.10	<0.2	30	0.08	0.03	22.4	0.09	1.24	0.7	<1	0.35	1.9	0.51
K291921		1.62	1.19	7.69	107.5	980	1.70	0.82	1.92	14.65	50.2	6.5	12	25.3	12.9	4.11
K291922		2.44	7.74	7.14	254	670	1.40	3.49	1.49	154.0	49.6	5.7	14	11.75	157.5	6.33
K291923		1.54	0.59	7.87	26.3	1840	1.73	0.43	2.46	2.05	46.5	5.5	13	19.75	19.2	3.43
K291924		1.40	0.32	6.95	29.8	2250	1.78	0.84	2.57	0.41	52.0	3.3	14	11.90	10.7	2.75
K291925		1.92	0.74	4.16	96.5	250	1.09	1.53	1.99	1.72	63.7	59.9	18	11.50	6.9	4.80
K291926		2.04	0.49	6.14	35.6	2350	1.26	1.16	2.70	0.89	82.7	18.2	22	7.05	13.0	3.14
K291927		4.90	0.24	7.53	16.5	2560	1.55	0.54	1.80	0.21	28.8	2.6	20	8.97	4.9	2.05
K291928		2.90	0.23	6.77	10.8	2090	1.63	0.49	3.03	0.20	16.40	3.7	15	8.85	4.5	1.87
K291929		1.48	0.19	6.59	9.3	1780	1.59	0.44	3.25	0.14	17.30	3.2	15	8.53	2.4	1.77
K291930		1.74	1.49	7.01	617	1570	1.72	0.97	1.92	11.90	36.6	3.5	10	17.50	48.4	3.49
K291931		0.34	12.10	6.73	1625	610	1.46	12.10	1.93	34.1	44.0	16.5	18	12.80	290	6.78
K291932		3.96	0.14	7.38	27.9	1480	1.42	0.25	1.59	0.44	38.2	5.2	15	16.45	5.4	2.89
K291933		2.08	0.97	7.10	111.0	1320	1.68	0.94	1.74	1.62	44.7	4.2	16	14.90	20.8	2.68
K291934		6.66	0.21	7.16	30.8	1330	1.46	0.57	2.45	0.37	45.0	4.9	21	10.05	8.8	2.34
K291935		2.50	0.54	7.50	54.8	3820	1.53	1.25	2.23	0.98	55.7	7.1	13	12.80	18.3	3.24
K291936		4.66	0.12	7.32	16.0	1890	1.32	0.52	1.91	0.22	41.8	4.0	17	6.01	6.6	2.50

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

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

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104643

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K291901		16.40	0.16	1.1	0.055	2.65	27.4	10.8	0.70	590	1.70	2.18	7.4	2.6	590	18.7
K291902		16.70	0.15	1.1	0.052	2.72	28.3	11.2	0.73	602	1.39	2.23	7.5	2.5	620	18.9
K291903		17.25	0.15	1.2	0.057	3.03	21.3	13.0	0.75	646	1.84	2.14	7.9	2.8	630	18.0
K291904		15.80	0.07	1.1	0.425	3.27	22.2	8.5	0.51	1540	1.94	0.04	6.8	2.7	590	579
K291905		16.50	0.11	1.2	0.100	3.03	16.1	20.1	0.57	936	1.74	0.81	7.5	2.4	610	36.1
K291906		16.70	0.11	1.4	0.088	3.08	23.5	12.2	0.58	772	2.42	1.39	8.1	2.6	620	26.4
K291907		15.40	0.12	1.3	0.078	2.89	25.9	23.0	1.01	1800	1.68	0.06	7.3	2.4	580	43.1
K291908		15.55	0.08	1.1	0.312	3.03	28.4	24.8	0.82	1930	13.05	0.15	5.8	13.8	550	508
K291909		17.30	0.10	1.1	0.283	3.28	27.5	11.2	0.89	1900	2.32	0.04	7.7	2.7	600	199.5
K291910		17.55	0.10	0.9	0.657	3.35	30.9	8.4	0.72	1840	2.40	0.04	7.0	2.5	590	259
K291911		16.30	0.07	0.9	0.548	3.23	25.1	10.1	0.75	3410	1.83	0.03	6.6	2.8	570	753
K291912		15.75	0.07	0.8	1.450	3.07	21.9	7.5	0.69	2070	1.96	0.03	6.3	2.1	480	1750
K291913		13.15	<0.05	0.7	1.860	2.27	16.1	14.9	0.79	6160	4.03	0.02	4.6	2.6	360	2050
K291914		0.32	0.16	<0.1	0.008	0.03	0.6	0.9	13.55	248	0.08	<0.01	0.2	2.1	190	5.3
K291915		16.75	0.12	1.1	0.143	3.12	22.4	21.4	0.58	1740	2.23	0.07	7.2	2.7	630	107.0
K291916		18.40	0.13	1.2	0.067	2.86	23.6	20.3	0.37	873	1.32	0.52	8.4	2.8	700	21.8
K291917		17.40	0.15	1.2	0.053	2.90	22.0	17.5	0.69	636	1.81	1.71	8.0	2.5	640	26.7
K291918		16.15	0.14	1.0	0.205	3.00	30.4	10.6	0.96	1370	2.03	0.06	7.1	2.3	610	173.5
K291919		15.20	0.14	1.1	0.048	2.32	22.4	49.1	0.92	953	2.13	0.05	7.1	2.3	560	14.9
K291920		0.38	0.21	<0.1	0.005	0.03	0.6	1.1	13.75	229	0.05	0.01	0.2	2.3	180	1.7
K291921		16.55	0.19	1.1	0.261	3.16	27.0	10.3	0.84	1580	1.87	0.05	7.5	2.4	600	307
K291922		16.10	0.06	1.1	2.80	3.24	27.5	8.3	0.77	3530	2.49	0.08	6.5	2.4	510	1890
K291923		17.40	0.12	1.3	0.096	3.06	23.1	32.4	0.73	1440	1.71	0.68	8.2	2.4	640	98.2
K291924		15.60	0.14	1.0	0.133	2.90	28.2	23.1	0.88	1140	1.83	0.05	6.1	1.7	520	14.9
K291925		11.65	0.06	0.5	0.208	1.66	35.8	16.5	0.85	946	8.62	0.07	2.3	10.9	370	83.8
K291926		13.10	0.10	0.8	0.161	2.52	50.8	9.2	0.93	985	11.95	0.09	4.4	7.4	390	21.2
K291927		15.35	0.09	1.1	0.073	3.17	13.6	14.6	0.66	764	6.67	0.08	5.5	2.0	570	16.0
K291928		15.15	0.12	1.2	0.068	3.08	7.5	15.8	0.55	1160	5.18	0.10	6.1	2.3	560	15.3
K291929		14.70	0.15	1.1	0.067	3.01	7.8	15.5	0.51	1300	5.10	0.10	6.2	2.2	560	12.9
K291930		15.05	0.11	1.2	0.350	3.16	20.2	12.4	0.82	1560	2.11	0.03	6.0	2.0	510	306
K291931		15.80	0.07	1.1	0.827	2.93	22.3	19.2	0.79	1840	8.78	0.12	6.1	12.0	550	1320
K291932		16.25	0.08	1.2	0.052	2.11	18.9	94.9	0.57	981	2.19	0.04	7.2	1.9	590	19.1
K291933		15.50	0.10	1.1	0.128	3.24	24.4	15.4	0.70	1230	3.85	0.04	5.4	1.8	500	112.0
K291934		15.30	0.11	1.3	0.085	1.95	23.9	80.0	0.70	866	4.39	0.03	6.9	1.9	530	20.2
K291935		16.25	0.13	1.2	0.167	2.55	31.5	29.7	0.81	952	2.83	0.03	6.4	2.0	570	42.4
K291936		16.05	0.10	1.2	0.074	1.25	20.8	76.7	0.64	868	2.62	0.02	7.4	1.6	600	13.9

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Finalized Date: 15-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16104643

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K291901		101.0	<0.002	0.09	1.66	9.4	1	1.7	360	0.55	0.10	13.15	0.259	1.14	3.2	68
K291902		104.0	<0.002	0.09	1.60	9.5	1	1.6	369	0.58	0.07	13.80	0.263	1.14	3.3	70
K291903		109.5	<0.002	0.13	2.40	10.2	1	1.9	370	0.64	0.06	12.50	0.268	1.39	3.0	72
K291904		203	<0.002	4.53	24.4	8.9	1	4.9	38.0	0.56	0.23	10.55	0.237	2.76	3.1	67
K291905		116.0	<0.002	0.30	7.42	9.6	1	1.9	186.5	0.62	0.07	11.30	0.252	1.75	4.0	69
K291906		129.5	<0.002	0.15	5.10	10.2	1	2.1	263	0.71	<0.05	13.95	0.268	1.71	4.2	72
K291907		132.5	<0.002	0.84	7.68	9.1	1	2.2	134.5	0.66	0.25	12.30	0.238	2.06	4.9	64
K291908		160.5	0.003	2.82	26.3	8.5	1	5.6	112.0	0.46	0.34	10.85	0.213	2.46	4.7	67
K291909		178.0	<0.002	1.29	5.66	9.9	1	3.3	68.4	0.67	0.31	12.05	0.256	2.88	8.5	69
K291910		203	<0.002	2.61	7.87	10.3	1	4.3	47.2	0.57	0.41	11.95	0.249	2.99	4.0	68
K291911		193.0	<0.002	2.48	9.42	9.4	1	4.4	50.6	0.53	0.20	10.60	0.243	3.28	4.3	66
K291912		218	<0.002	4.41	8.78	9.2	2	6.5	38.5	0.48	0.58	8.84	0.229	3.04	4.2	61
K291913		153.5	<0.002	4.41	26.2	7.0	2	5.8	43.0	0.37	0.45	7.39	0.160	2.40	3.5	50
K291914		1.7	<0.002	0.02	0.06	0.2	<1	<0.2	54.7	<0.05	<0.05	0.11	<0.005	0.03	0.5	2
K291915		138.0	<0.002	1.62	12.05	9.6	1	2.6	84.4	0.54	0.43	10.65	0.260	2.12	4.7	75
K291916		117.5	<0.002	0.17	14.65	10.8	1	2.0	133.0	0.62	<0.05	11.40	0.294	1.51	2.7	79
K291917		104.0	<0.002	0.11	4.03	10.3	1	2.4	317	0.61	<0.05	11.10	0.276	1.41	3.0	74
K291918		138.5	<0.002	0.52	5.41	9.4	1	3.0	84.1	0.56	0.05	12.05	0.252	2.17	7.0	68
K291919		88.2	<0.002	0.13	9.47	9.1	1	1.9	123.0	0.56	0.05	11.20	0.240	1.58	3.1	64
K291920		1.8	<0.002	<0.01	0.06	0.2	<1	<0.2	53.8	<0.05	<0.05	0.11	<0.005	0.02	0.9	3
K291921		154.0	<0.002	1.63	7.10	9.9	1	3.6	57.0	0.62	0.11	12.95	0.251	2.56	6.4	70
K291922		196.5	<0.002	3.98	18.45	8.7	1	6.5	38.0	0.56	0.22	12.00	0.219	2.96	3.1	61
K291923		123.0	<0.002	0.23	8.40	10.0	1	2.1	202	0.64	<0.05	12.30	0.275	1.94	4.3	73
K291924		104.5	<0.002	0.17	8.06	8.8	1	1.9	97.1	0.46	0.05	10.85	0.219	2.06	2.8	65
K291925		88.3	<0.002	2.96	11.50	7.3	1	2.3	68.2	0.18	0.51	6.45	0.096	1.31	4.7	69
K291926		124.0	<0.002	1.07	16.50	8.0	1	2.1	81.7	0.33	0.26	9.20	0.162	1.89	6.2	67
K291927		123.5	<0.002	0.05	21.0	8.9	1	1.8	79.2	0.46	<0.05	11.55	0.199	2.10	4.3	68
K291928		112.0	<0.002	0.07	9.85	8.6	1	1.7	96.2	0.50	<0.05	9.43	0.213	2.22	4.1	68
K291929		112.5	<0.002	0.06	7.56	8.0	1	1.8	94.0	0.49	<0.05	9.96	0.216	2.19	4.1	63
K291930		186.5	<0.002	1.04	13.05	8.0	1	3.7	86.3	0.59	<0.05	12.80	0.184	2.68	2.8	56
K291931		161.5	<0.002	4.82	67.2	8.7	2	8.2	99.6	0.49	1.23	10.05	0.212	2.59	4.8	64
K291932		92.5	<0.002	0.16	20.2	9.5	1	1.9	127.5	0.55	<0.05	10.90	0.250	1.46	4.2	69
K291933		161.5	<0.002	0.30	17.35	8.5	1	1.7	48.6	0.45	0.05	11.10	0.189	2.51	3.6	60
K291934		80.6	<0.002	0.27	16.00	8.8	1	1.9	140.5	0.60	0.09	12.60	0.217	1.32	3.5	61
K291935		111.5	<0.002	0.88	9.16	9.0	1	2.3	153.0	0.54	0.18	11.95	0.221	1.91	4.8	65
K291936		45.4	<0.002	0.25	12.00	9.1	1	2.0	251	0.60	0.07	10.95	0.251	1.00	2.6	64

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

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

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

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104643

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K291901		2.9	14.4	56	22.8	<0.005
K291902		2.9	14.6	55	23.8	<0.005
K291903		1.9	15.1	68	25.4	<0.005
K291904		7.0	9.7	1190	20.8	0.890
K291905		3.1	13.3	205	25.0	0.052
K291906		2.1	15.0	118	28.8	<0.005
K291907		3.1	14.7	173	26.2	0.021
K291908		5.5	10.6	898	28.2	0.366
K291909		4.0	12.6	540	21.9	0.131
K291910		4.0	10.7	1440	19.4	0.321
K291911		4.7	10.1	2030	17.9	0.892
K291912		4.3	7.1	3200	16.4	0.659
K291913		4.1	8.9	7410	14.8	4.00
K291914		0.1	0.9	38	<0.5	0.005
K291915		2.9	12.9	1030	21.6	0.022
K291916		8.5	13.7	455	24.3	0.005
K291917		1.7	15.4	76	25.8	<0.005
K291918		5.1	12.4	288	22.1	0.076
K291919		4.6	14.3	211	23.9	<0.005
K291920		0.1	0.8	22	<0.5	<0.005
K291921		4.6	12.7	1340	23.6	0.030
K291922		7.9	8.5	9240	22.3	0.217
K291923		2.7	14.4	328	28.1	0.007
K291924		1.6	11.7	132	22.6	0.005
K291925		2.0	9.2	182	12.8	0.041
K291926		2.1	10.1	78	18.0	0.072
K291927		2.7	10.3	72	25.4	<0.005
K291928		2.2	9.7	54	26.1	<0.005
K291929		2.1	10.8	49	25.4	<0.005
K291930		2.9	9.1	990	26.1	0.093
K291931		6.2	10.4	2460	29.4	0.923
K291932		3.4	12.7	113	25.8	<0.005
K291933		1.8	10.5	175	24.0	0.021
K291934		2.6	12.8	95	28.6	0.005
K291935		3.0	12.5	139	26.3	0.051
K291936		5.6	10.4	72	27.4	0.005

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16104643

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE VA16104644

Project: Klaza

P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

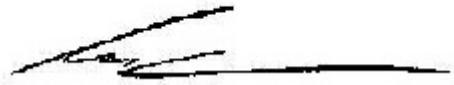
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104644

Sample Description	Method	WEI-21	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291937		1.20		1.39	6.48	31.8	1380	1.47	1.93	1.67	0.61	32.7	4.3	13	14.80	6.5
K291938		1.40	1.020	3.79	6.41	>10000	1070	1.40	6.49	1.25	15.65	40.0	8.0	12	16.05	35.6
K291939		0.54		4.02	6.02	2010	1250	1.34	4.02	0.35	34.1	33.1	10.4	16	9.89	58.9
K291940		6.04		0.02	0.07	5.8	30	0.07	0.05	21.1	0.13	1.26	0.6	1	0.28	2.0
K291941		3.52		0.84	7.88	85.7	1600	1.42	3.16	1.43	4.36	50.7	6.1	18	17.60	10.9
K291942		4.16		0.29	7.03	20.9	1910	1.33	3.06	2.45	0.27	39.1	5.8	17	13.85	18.0
K291943		3.52		0.29	7.49	29.0	1910	1.42	1.66	2.05	0.13	39.3	5.3	17	11.05	48.2
K291944		1.72		0.35	7.40	32.0	1790	1.58	1.65	1.86	0.18	38.0	5.9	16	11.60	47.7
K291945		1.86		1.34	6.35	64.7	2070	1.46	7.52	1.09	0.51	74.0	19.0	13	11.70	121.5
K291946		2.28		0.92	5.50	48.3	2820	1.69	4.74	0.80	0.37	49.3	18.7	16	38.6	100.5
K291947		5.10		0.21	7.08	23.9	2680	1.81	1.50	1.81	0.15	32.5	7.6	15	21.1	25.0
K291948		2.50		0.19	7.23	18.9	2920	1.56	0.86	2.62	0.13	43.9	31.4	15	10.90	2.9
K291949		6.70		0.15	6.90	17.5	2310	1.69	0.86	3.69	0.13	58.6	10.3	19	14.35	12.5
K291950		1.20		0.26	7.18	17.2	1540	1.73	0.57	2.07	0.14	62.5	10.9	12	21.2	7.3
K291951		2.80		0.18	7.51	18.0	3260	1.71	0.61	2.13	0.14	58.4	19.6	13	12.75	6.8
K291952		1.38		0.07	7.19	8.5	2130	1.76	0.21	2.38	0.27	47.3	6.1	11	18.15	3.7
K291953		0.34		11.70	6.37	1495	1180	1.43	11.55	1.79	31.9	44.4	17.1	18	13.20	280
K291954		1.36		0.35	7.48	149.0	2070	1.82	0.33	2.39	0.28	52.5	6.9	12	17.40	31.1
K291955		1.18		4.00	7.86	1255	970	1.75	2.16	0.82	5.96	56.9	6.5	16	21.1	227
K291956		1.42		2.69	3.94	282	7290	0.92	4.75	1.75	2.72	18.15	8.2	14	9.41	15.3
K291957		1.50		2.57	6.85	241	730	1.59	3.18	0.17	18.15	56.6	9.8	16	13.75	26.5
K291958		1.78		0.80	7.33	67.9	570	1.43	0.82	0.74	1.54	55.4	8.6	15	26.2	6.7
K291959		3.48		0.87	7.18	60.0	1500	1.51	1.38	1.44	2.00	50.3	10.7	16	16.40	10.5
K291960		<0.02		1.01	7.30	62.8	1670	1.43	1.48	1.48	2.30	48.1	11.4	16	16.35	11.0
K291961		5.94		0.35	7.52	38.6	1200	1.46	0.79	0.45	2.23	50.7	9.3	19	17.05	5.4
K291962		7.64		0.34	7.45	24.3	2310	1.28	0.56	1.48	2.96	35.6	6.2	14	19.60	8.3
K291963		0.34		5.28	6.65	700	1110	1.67	3.59	2.02	11.60	51.9	12.9	25	14.30	318
K291964		1.52		0.38	7.06	28.0	920	1.30	0.63	1.84	1.61	38.2	9.0	14	14.70	6.2
K291965		2.12		0.87	7.66	52.7	1290	1.45	0.87	0.74	4.73	67.2	6.1	14	27.5	39.1
K291966		2.86		6.41	7.15	188.0	990	1.80	7.59	0.88	14.85	55.2	8.4	11	25.7	68.4
K291967		6.00		0.02	0.07	<0.2	40	0.07	0.04	21.1	0.10	1.27	0.6	1	0.25	1.8
K291968		1.56		8.50	6.64	74.9	1100	1.30	4.25	0.48	14.85	44.6	16.8	17	12.65	41.5
K291969		2.44		11.75	6.81	141.0	990	1.40	2.01	1.10	14.60	44.1	4.6	14	18.75	58.8
K291970		0.90		11.00	5.09	496	1940	1.14	10.85	3.81	33.0	40.0	4.9	11	10.25	134.5
K291971		2.14		1.45	7.08	92.5	970	1.60	1.70	1.38	10.35	53.3	6.3	17	14.65	15.5
K291972		3.28		3.67	6.94	163.5	930	1.59	4.93	0.69	16.70	43.0	16.2	19	14.35	16.4

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104644

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291937		2.61	12.30	0.14	0.9	0.164	2.83	18.1	16.4	0.70	1050	2.83	0.06	5.7	2.0	450
K291938		6.71	14.35	0.11	0.9	0.195	2.96	21.5	10.4	0.60	980	2.00	0.03	5.6	2.2	450
K291939		7.62	15.60	0.10	1.1	0.267	2.81	16.5	11.0	0.26	210	3.00	0.03	6.1	3.5	410
K291940		0.49	0.25	0.15	<0.1	0.006	0.04	0.6	1.2	13.30	210	1.34	<0.01	0.2	1.4	160
K291941		3.76	15.60	0.13	1.2	0.101	3.00	27.9	39.3	0.58	909	2.32	0.06	7.6	1.9	600
K291942		2.92	15.30	0.11	1.2	0.095	2.93	19.9	46.4	0.52	619	2.05	0.24	7.5	1.8	550
K291943		2.78	14.45	0.11	1.1	0.173	2.68	20.2	48.8	0.69	804	2.24	0.07	6.5	1.6	570
K291944		2.78	14.80	0.10	1.1	0.180	2.64	19.6	48.6	0.65	809	3.67	0.07	6.6	1.6	530
K291945		4.30	15.00	0.13	0.9	0.356	2.82	41.3	9.9	0.79	1240	1.67	0.07	4.0	2.8	430
K291946		2.48	11.65	0.11	0.9	0.263	2.42	28.6	20.8	0.49	721	3.27	0.05	3.6	3.1	360
K291947		2.65	14.60	0.10	1.0	0.177	2.90	17.7	20.9	0.78	870	4.01	0.04	5.2	2.1	510
K291948		2.85	14.95	0.12	1.0	0.168	2.69	25.0	16.8	1.04	759	1.71	0.10	5.6	2.3	540
K291949		2.76	15.50	0.14	0.9	0.125	2.55	31.8	21.1	0.70	1120	1.51	0.04	5.0	2.2	590
K291950		2.69	15.45	0.13	0.9	0.108	2.47	34.9	25.2	0.76	879	1.72	0.04	5.3	2.1	560
K291951		3.07	15.35	0.12	1.1	0.074	2.93	33.5	17.1	0.95	1080	5.70	0.05	5.7	2.9	560
K291952		3.02	15.35	0.13	1.1	0.043	2.93	25.7	12.9	0.74	606	1.27	2.01	7.6	2.1	570
K291953		6.32	13.75	0.11	1.1	0.728	2.87	24.0	19.0	0.78	1720	8.50	0.12	5.9	11.6	520
K291954		3.12	16.25	0.14	1.2	0.050	2.95	28.4	25.6	0.77	560	1.63	1.86	8.0	2.3	610
K291955		4.69	17.25	0.12	1.1	0.312	3.78	33.0	41.1	0.50	888	1.55	0.06	7.8	2.3	650
K291956		5.80	9.80	0.08	0.6	0.131	1.92	8.0	35.3	0.23	762	5.50	0.02	3.6	2.4	240
K291957		4.35	15.90	0.12	1.0	0.438	3.35	33.3	14.3	0.31	828	5.79	0.04	6.5	2.1	370
K291958		2.93	15.45	0.11	1.1	0.081	3.00	31.9	35.0	0.39	1200	2.24	0.03	7.2	2.3	550
K291959		3.57	14.75	0.11	1.1	0.082	2.41	28.8	53.1	0.65	1280	3.18	0.03	7.1	2.6	540
K291960		3.69	14.85	0.10	1.1	0.083	2.48	26.8	54.2	0.67	1300	3.30	0.03	6.9	2.7	550
K291961		3.06	14.90	0.10	1.3	0.095	1.83	29.7	109.0	0.33	838	3.97	0.03	7.5	2.6	520
K291962		2.70	15.15	0.08	1.1	0.081	2.54	18.0	60.9	0.51	744	3.67	0.05	7.4	1.8	580
K291963		5.14	15.60	0.13	1.2	0.317	3.02	30.0	28.5	0.80	1850	15.25	0.14	6.2	14.9	520
K291964		2.58	14.45	0.10	1.0	0.076	2.36	20.7	58.8	0.72	862	13.55	0.03	6.9	1.8	560
K291965		3.45	16.60	0.12	1.3	0.327	1.83	39.1	72.5	0.48	987	2.05	0.02	7.9	2.5	600
K291966		5.39	15.80	0.12	1.2	0.562	3.25	31.4	15.7	0.64	1130	2.17	0.03	7.1	2.5	510
K291967		0.49	0.25	0.21	<0.1	0.006	0.03	0.7	1.2	13.35	218	0.10	<0.01	0.1	1.2	170
K291968		4.69	14.20	0.13	1.0	0.527	3.33	26.9	7.8	0.57	1060	3.54	0.03	5.1	3.4	470
K291969		4.15	13.70	0.10	0.9	0.399	3.11	24.9	12.7	0.70	1210	10.90	0.03	5.8	2.8	520
K291970		4.81	13.05	0.10	0.8	0.469	2.49	22.1	11.7	0.70	1320	4.78	0.02	5.0	1.7	390
K291971		4.28	14.60	0.10	1.0	0.234	3.39	31.4	7.5	0.78	1420	1.74	0.03	6.4	2.0	520
K291972		5.16	14.65	0.09	1.2	0.336	3.49	24.4	6.2	0.53	734	3.75	0.04	5.9	2.7	460

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

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

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104644

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K291937		40.2	155.5	<0.002	0.39	12.95	8.3	1	1.7	45.9	0.45	0.36	10.55	0.194	1.99	4.2
K291938		812	170.5	<0.002	5.24	28.2	9.2	2	3.4	34.5	0.42	0.61	9.89	0.193	2.06	4.6
K291939		1450	147.0	<0.002	7.96	16.75	9.1	3	7.0	20.9	0.48	0.64	9.75	0.198	1.97	3.5
K291940		4.4	2.0	<0.002	0.01	0.10	0.2	<1	<0.2	49.4	<0.05	<0.05	0.12	<0.005	0.02	0.9
K291941		232	141.5	<0.002	1.30	11.45	10.4	1	2.8	119.5	0.63	0.25	13.60	0.258	1.89	4.3
K291942		26.2	101.5	<0.002	0.56	8.09	9.5	1	2.7	182.0	0.59	0.19	12.15	0.242	1.34	3.4
K291943		10.4	81.4	<0.002	0.43	18.35	9.4	1	1.8	141.0	0.50	0.11	10.85	0.230	1.38	3.4
K291944		12.3	90.3	<0.002	0.46	19.85	9.8	<1	1.9	134.0	0.52	0.14	11.45	0.223	1.41	4.1
K291945		43.3	139.0	<0.002	1.26	13.60	9.5	1	3.3	53.1	0.32	0.36	10.85	0.140	1.86	4.4
K291946		28.3	116.5	<0.002	0.74	24.9	7.5	1	2.1	42.5	0.31	0.19	10.30	0.135	1.63	3.8
K291947		10.5	124.5	<0.002	0.40	21.1	9.6	1	1.7	75.6	0.40	0.11	12.40	0.184	1.79	4.5
K291948		10.8	120.5	<0.002	0.60	8.59	10.7	<1	2.5	104.0	0.43	0.13	13.05	0.196	1.77	6.9
K291949		9.2	87.3	<0.002	0.39	10.85	9.5	<1	2.1	111.0	0.40	0.10	11.05	0.179	1.63	3.1
K291950		10.8	86.7	0.002	0.32	9.24	9.6	1	2.2	98.5	0.39	0.09	11.40	0.196	1.64	3.3
K291951		12.8	111.0	<0.002	0.36	7.04	10.4	1	1.8	88.6	0.43	0.10	13.20	0.203	1.79	4.3
K291952		26.4	114.5	<0.002	0.07	3.29	10.6	1	1.6	311	0.58	<0.05	12.25	0.256	1.23	3.6
K291953		1250	160.5	<0.002	4.48	63.1	9.2	2	8.3	93.7	0.46	1.09	10.80	0.206	2.38	5.1
K291954		26.5	124.0	<0.002	0.21	9.73	11.7	1	1.9	299	0.60	<0.05	13.55	0.274	1.30	4.0
K291955		349	234	<0.002	2.48	62.2	11.7	<1	6.5	54.5	0.61	0.09	13.25	0.264	2.86	5.0
K291956		118.5	131.0	<0.002	6.18	69.6	5.5	2	4.9	53.3	0.29	0.66	4.35	0.124	1.75	4.8
K291957		377	219	<0.002	3.39	31.2	9.1	1	6.5	12.9	0.52	0.28	11.45	0.218	3.47	3.3
K291958		82.0	154.0	<0.002	0.69	19.20	10.1	1	2.4	92.1	0.57	0.16	13.10	0.252	2.66	4.1
K291959		104.5	142.5	<0.002	1.01	31.9	10.8	1	1.9	114.0	0.56	0.26	13.40	0.233	1.95	4.5
K291960		109.5	139.5	<0.002	1.11	31.8	10.8	1	1.9	115.5	0.57	0.32	13.40	0.234	2.05	3.8
K291961		42.4	94.1	<0.002	0.47	42.0	9.1	1	1.7	160.0	0.74	0.16	17.30	0.218	1.32	3.2
K291962		56.5	92.6	<0.002	0.15	28.1	10.3	1	1.9	106.5	0.57	0.06	11.50	0.254	1.34	3.6
K291963		472	168.5	0.004	2.65	30.9	10.0	1	6.1	112.5	0.48	0.33	11.90	0.208	2.50	5.5
K291964		44.0	98.4	0.005	0.27	29.7	9.5	1	1.9	121.5	0.52	0.16	12.10	0.234	1.62	2.8
K291965		40.7	119.0	<0.002	0.40	44.9	11.0	1	2.7	170.5	0.65	0.07	15.85	0.243	1.59	3.0
K291966		450	199.0	0.002	3.44	36.8	10.8	2	6.9	52.1	0.54	1.54	12.80	0.235	2.86	3.6
K291967		1.9	1.5	<0.002	<0.01	0.17	0.2	<1	<0.2	49.3	<0.05	0.05	0.11	<0.005	<0.02	0.4
K291968		395	197.5	<0.002	2.43	8.40	8.7	1	5.4	17.7	0.43	0.95	10.25	0.192	2.86	2.9
K291969		269	159.5	<0.002	1.54	17.25	8.7	<1	6.3	48.5	0.47	0.15	11.65	0.216	2.51	5.6
K291970		1505	152.5	<0.002	4.45	45.5	7.6	1	9.0	69.2	0.38	0.25	9.32	0.169	2.03	6.2
K291971		438	193.5	<0.002	1.83	8.01	9.4	1	4.5	43.1	0.51	0.26	13.25	0.225	2.98	6.6
K291972		421	208	<0.002	4.35	6.28	8.3	1	6.2	22.5	0.59	1.31	14.40	0.186	2.73	4.0

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104644

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K291937		57	1.8	11.1	104	21.1	0.006
K291938		59	3.7	10.9	1070	21.9	1.955
K291939		57	9.2	10.9	2090	24.1	0.878
K291940		2	0.1	0.8	23	<0.5	<0.005
K291941		68	3.3	13.2	357	28.4	0.036
K291942		65	2.2	12.6	53	27.7	0.016
K291943		66	1.9	11.4	55	25.1	0.011
K291944		64	1.9	12.1	55	25.1	0.013
K291945		65	3.0	9.4	89	20.2	0.033
K291946		54	2.7	10.0	75	21.0	0.035
K291947		62	1.8	11.1	65	21.9	0.009
K291948		74	1.8	14.0	56	22.1	0.009
K291949		62	1.3	15.6	66	22.3	<0.005
K291950		66	1.6	13.8	75	21.1	<0.005
K291951		70	1.6	14.7	69	25.2	0.007
K291952		69	0.9	16.9	60	25.1	<0.005
K291953		61	6.1	11.2	2290	27.1	0.877
K291954		73	1.3	17.5	61	27.1	0.013
K291955		73	7.4	11.8	518	24.4	0.214
K291956		37	4.6	10.2	206	12.7	1.015
K291957		61	5.6	10.4	1340	22.1	0.370
K291958		68	4.3	14.8	235	24.6	0.033
K291959		66	3.9	16.1	232	25.3	0.036
K291960		66	4.0	15.7	253	24.1	0.040
K291961		60	5.3	14.3	209	27.4	0.011
K291962		66	6.1	12.2	220	24.3	0.006
K291963		66	6.0	13.2	855	30.6	0.354
K291964		66	4.5	12.8	155	23.9	0.008
K291965		64	7.1	15.3	374	29.9	0.011
K291966		65	8.9	11.8	1160	26.9	0.427
K291967		2	0.1	0.8	21	<0.5	<0.005
K291968		62	47.1	7.3	1120	21.4	0.097
K291969		63	99.9	10.4	977	21.6	0.175
K291970		47	5.8	8.0	2700	18.9	1.160
K291971		62	5.5	9.9	806	22.7	0.071
K291972		55	9.8	7.7	1160	24.8	0.145

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16104644

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

As-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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1016 - 510 W HASTINGS STREET
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Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE VA16104645

Project: Klaza

P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

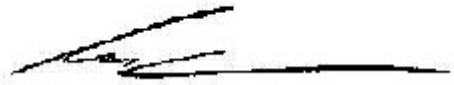
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 15-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16104645

Sample Description	Method	WEI-21	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K292009		2.32		0.10	7.53	9.6	2540	1.23	0.32	1.45	0.12	45.4	5.4	13	14.10	9.9
K292010		1.28		0.12	7.68	10.6	2270	1.14	0.31	1.40	0.10	43.6	5.5	13	15.40	8.0
K292011		1.38		0.45	6.25	30.7	2620	1.54	1.63	1.83	0.27	54.7	9.7	18	16.70	20.5
K292012		8.06		0.16	6.47	13.4	2060	1.41	0.82	3.05	0.28	46.4	7.8	15	16.20	16.3
K292013		<0.02		0.17	6.72	13.6	2270	1.51	1.02	3.15	0.21	46.4	8.3	21	16.10	17.9
K292014		1.46		4.79	5.74	313	550	1.33	3.41	3.73	26.0	39.1	6.1	12	15.40	292
K292015		1.42		0.20	6.92	28.1	1780	1.29	0.32	2.04	0.25	39.4	5.9	15	19.40	7.1
K292016		1.36		0.20	6.86	29.8	2330	1.78	0.27	2.48	0.24	42.4	5.4	14	26.8	8.5
K292017		1.64		0.53	8.93	129.5	2440	2.08	0.73	0.10	2.79	50.5	2.1	11	10.60	28.9
K292018		1.30		1.10	7.93	122.0	1980	2.05	1.26	0.35	60.4	47.6	14.5	12	10.15	31.6
K292019		1.56		1.55	7.52	361	1970	2.01	2.46	0.49	31.1	54.3	10.6	10	8.30	33.2
K292020		0.34		4.35	6.56	695	820	1.37	3.19	2.02	10.60	48.4	11.4	25	12.40	307
K292021		3.42		5.81	7.63	657	1640	1.73	2.34	0.12	13.70	40.3	3.6	11	11.15	63.6
K292022		1.44		5.16	7.58	365	1710	1.94	1.71	0.14	88.1	56.0	5.2	11	7.40	30.4
K292023		0.96		6.90	6.92	449	880	1.88	6.50	0.21	86.4	53.6	28.4	9	7.33	35.5
K292024		5.88		0.04	0.06	2.5	50	0.07	0.05	20.3	0.26	1.09	0.6	<1	0.13	2.7
K292025		1.86		4.66	7.10	155.5	910	1.40	2.74	0.34	37.8	70.0	11.7	12	6.12	29.4
K292026		4.64		3.41	7.04	1365	550	1.86	3.33	0.32	63.8	78.7	9.1	11	5.89	43.2
K292027		1.44	2.02	66.6	6.35	6850	780	2.01	17.60	0.14	156.5	61.1	5.6	10	8.83	322
K292028		1.02		3.12	7.40	420	1260	1.68	2.19	1.07	83.8	50.3	7.0	11	12.90	49.3
K292029		1.10		0.32	8.09	46.9	1550	1.71	0.32	0.74	16.95	61.8	12.4	13	14.25	10.2
K292030		1.32		0.39	7.79	114.5	2900	1.82	0.62	1.63	11.90	47.9	6.1	16	11.85	47.1
K292031		1.50		0.20	7.13	14.5	1700	1.87	0.19	3.16	0.49	46.2	5.5	12	13.15	6.2
K292032		1.26		0.18	7.22	19.1	1260	1.96	0.41	3.47	0.37	45.4	4.1	15	12.30	7.7
K292033		0.58		0.15	6.98	16.9	1250	1.81	0.34	3.40	0.38	45.3	3.4	13	11.70	7.0
K292034		1.48		1.19	6.55	44.0	830	1.63	1.07	3.03	2.62	33.9	1.0	17	6.24	153.5
K292035		2.48		5.84	5.23	124.0	370	1.22	8.85	1.44	5.77	62.5	2.5	18	3.05	105.5
K292036		6.02		0.02	0.07	1.2	80	0.05	0.04	20.8	0.11	1.31	0.6	<1	0.19	2.3
K292037		1.26		1.11	7.23	35.5	920	1.48	1.92	1.46	0.50	47.6	0.7	14	7.42	47.7
K292038		5.20		0.36	6.42	21.3	940	1.38	0.57	2.18	0.22	36.0	4.3	13	10.00	65.2
K292039		0.34		12.55	6.37	1525	1010	1.56	10.85	1.82	32.7	45.4	17.1	19	12.80	278
K292040		1.50		2.94	6.48	138.0	1030	1.57	1.78	2.88	23.5	48.9	2.3	12	6.75	139.5
K292041		1.36		0.26	5.69	17.6	1690	1.54	0.53	3.69	0.46	35.9	3.5	14	11.25	38.8
K292042		1.30		0.12	6.80	8.8	1990	1.61	0.11	2.56	0.19	47.1	4.3	14	8.32	4.3
K292043		1.44		0.10	7.16	7.2	1880	1.57	0.08	2.64	0.30	49.1	4.7	11	8.92	2.4
K292044		1.32		0.22	6.90	7.2	1100	1.60	0.27	3.11	0.99	42.7	2.1	14	10.40	4.2

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

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16104645

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K292009		2.82	17.85	0.12	1.0	0.046	3.31	23.8	35.6	0.46	457	4.31	0.19	8.0	5.4	620
K292010		2.65	18.25	0.11	1.1	0.053	3.20	20.3	30.0	0.32	579	2.06	0.10	8.4	2.2	620
K292011		3.65	15.15	0.10	1.0	0.202	2.60	32.4	17.9	0.72	1080	2.47	0.05	6.1	2.6	560
K292012		2.85	15.55	0.10	0.9	0.091	2.59	25.3	36.4	0.84	775	2.00	0.17	6.7	2.3	540
K292013		2.93	15.75	0.10	1.0	0.084	2.61	25.7	35.3	0.88	795	2.55	0.17	6.5	2.3	560
K292014		4.90	13.80	0.10	0.9	0.375	2.55	22.5	13.6	1.07	1920	3.30	0.03	5.5	2.0	460
K292015		2.39	16.50	0.09	1.2	0.044	2.95	18.1	55.0	0.54	667	1.59	0.09	7.7	1.7	600
K292016		3.10	16.80	0.11	1.3	0.047	2.95	21.1	31.4	0.62	473	1.55	0.63	8.2	2.1	620
K292017		1.87	20.0	0.12	1.2	0.390	4.30	25.3	13.8	0.28	156	1.43	0.06	8.0	1.7	520
K292018		3.63	18.15	0.12	0.9	0.284	3.80	25.5	12.9	0.41	2760	6.32	0.05	5.9	2.4	580
K292019		4.11	17.15	0.12	0.8	0.675	3.54	34.1	21.1	0.43	2120	3.58	0.06	5.7	2.9	360
K292020		4.93	15.25	0.11	1.1	0.290	2.91	26.9	25.6	0.77	1870	13.45	0.14	5.8	13.5	530
K292021		3.92	17.35	0.12	1.0	0.851	3.77	17.5	7.1	0.29	844	2.33	0.05	7.0	1.4	330
K292022		5.67	16.75	0.11	0.7	1.260	3.63	33.2	5.0	0.32	2180	2.52	0.05	6.1	1.3	580
K292023		11.95	18.25	0.11	0.6	0.978	3.12	30.1	44.7	0.39	2490	2.99	0.05	4.1	4.8	510
K292024		0.46	0.20	0.05	<0.1	0.008	0.03	0.5	1.0	12.35	203	0.10	<0.01	0.1	1.3	180
K292025		7.16	17.25	0.13	0.7	1.255	3.09	45.1	49.2	0.72	2260	1.72	0.06	5.2	2.9	550
K292026		6.57	17.15	0.14	0.8	1.035	3.15	46.8	24.5	0.60	3050	2.73	0.05	4.9	2.8	540
K292027		7.52	16.40	0.11	0.7	2.16	2.99	39.1	9.9	0.22	905	52.9	0.04	4.6	2.1	920
K292028		4.52	16.55	0.11	0.9	0.588	3.23	27.3	12.9	0.56	2220	1.95	0.06	6.8	2.5	560
K292029		3.14	18.25	0.11	1.0	0.069	3.12	33.1	67.4	0.40	3070	1.79	0.10	8.3	2.6	600
K292030		2.80	18.05	0.11	1.1	0.125	3.46	24.4	8.8	0.39	924	1.87	1.55	8.0	2.9	620
K292031		2.82	17.65	0.10	1.1	0.037	1.92	22.7	12.9	0.68	598	1.83	2.47	8.4	2.7	600
K292032		2.28	18.20	0.12	1.0	0.061	1.76	19.7	11.3	0.67	689	1.54	2.27	7.5	2.6	600
K292033		2.30	17.95	0.12	1.0	0.053	1.64	19.5	10.6	0.66	671	1.54	2.22	7.8	2.4	620
K292034		2.02	18.70	0.13	0.8	0.309	2.99	11.9	15.2	0.59	1180	1.26	0.49	5.6	1.8	550
K292035		6.45	15.75	0.11	0.6	0.500	1.87	36.4	46.6	0.97	1520	3.89	0.04	4.3	3.5	320
K292036		0.47	0.23	0.07	<0.1	0.005	0.02	0.6	1.1	12.65	214	0.12	0.01	0.1	1.4	170
K292037		2.29	18.25	0.12	0.8	0.385	3.47	21.4	18.3	0.67	1080	1.68	0.06	5.8	1.6	570
K292038		2.11	17.20	0.10	0.8	0.125	1.81	13.5	27.4	0.49	842	0.87	0.21	6.2	2.3	570
K292039		6.35	15.75	0.10	1.1	0.777	2.82	24.7	18.7	0.75	1800	8.64	0.12	6.1	11.8	530
K292040		4.04	15.70	0.09	0.8	1.250	2.43	23.4	33.5	0.83	1550	2.05	0.17	5.1	2.0	490
K292041		2.23	16.40	0.08	0.9	0.181	2.13	13.6	11.4	0.38	847	1.69	1.06	7.0	2.1	530
K292042		2.53	16.30	0.11	1.0	0.037	2.57	24.6	9.6	0.57	491	1.88	2.17	7.2	2.3	520
K292043		2.60	16.60	0.11	1.0	0.037	2.34	25.8	9.2	0.64	535	2.10	2.27	7.5	2.2	550
K292044		1.81	16.95	0.11	1.1	0.134	1.50	16.0	7.5	0.73	769	1.08	2.74	7.7	1.8	600

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

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

Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104645

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K292009		18.9	120.5	0.004	0.10	13.80	10.8	1	2.4	136.0	0.65	<0.05	11.75	0.256	1.35	3.9
K292010		13.9	125.5	<0.002	0.14	19.70	10.9	1	2.9	95.2	0.66	<0.05	12.25	0.259	1.49	2.3
K292011		14.9	133.5	<0.002	0.89	17.00	9.3	1	3.3	60.0	0.53	0.11	12.40	0.212	1.99	6.5
K292012		15.4	117.5	<0.002	0.28	10.15	9.8	1	2.1	133.0	0.55	<0.05	10.85	0.218	1.71	3.7
K292013		14.7	122.0	0.002	0.28	10.25	9.6	1	2.2	137.0	0.55	0.06	11.15	0.222	1.77	3.8
K292014		230	140.0	0.002	3.03	68.1	8.3	1	4.5	75.7	0.47	0.28	9.48	0.186	2.48	4.4
K292015		16.3	107.5	<0.002	0.22	12.35	9.7	1	1.5	124.0	0.62	<0.05	10.70	0.244	1.56	3.3
K292016		20.6	113.5	<0.002	0.24	7.74	10.7	1	1.8	186.0	0.66	<0.05	11.65	0.256	1.59	5.4
K292017		451	201	<0.002	0.09	9.40	12.3	1	3.9	39.0	0.66	0.08	14.20	0.235	3.30	4.6
K292018		91.2	186.5	0.006	0.48	13.45	11.3	1	3.1	24.4	0.48	0.11	13.50	0.187	3.23	4.7
K292019		184.5	168.0	0.002	1.11	26.5	9.1	1	3.6	26.2	0.46	0.20	12.15	0.180	2.79	4.4
K292020		474	161.0	0.003	2.65	28.6	8.8	1	5.5	106.5	0.48	0.27	10.70	0.202	2.45	4.7
K292021		751	187.0	<0.002	2.03	42.9	10.1	1	5.8	66.0	0.54	0.14	12.15	0.228	3.52	2.7
K292022		1605	191.0	0.003	0.78	8.21	9.8	1	5.5	21.0	0.49	0.14	14.05	0.194	3.23	4.3
K292023		679	166.0	<0.002	6.88	10.65	9.5	1	6.3	12.6	0.31	1.61	10.25	0.139	2.86	4.1
K292024		4.7	1.3	<0.002	<0.01	0.17	0.2	1	<0.2	46.2	<0.05	<0.05	0.09	<0.005	0.03	0.5
K292025		841	161.0	<0.002	2.26	6.10	9.6	1	5.8	17.4	0.38	0.30	12.10	0.172	2.67	3.1
K292026		573	156.0	0.002	2.66	25.6	9.9	1	5.9	14.6	0.38	0.32	11.90	0.159	2.57	3.5
K292027		>10000	154.0	0.005	2.92	114.0	9.0	1	19.9	108.5	0.37	0.17	10.70	0.141	3.06	5.9
K292028		1175	175.0	<0.002	1.44	14.55	10.0	1	4.5	47.2	0.54	0.09	14.30	0.209	2.87	5.4
K292029		56.6	141.0	<0.002	0.28	14.75	10.9	1	2.5	117.5	0.69	<0.05	15.55	0.243	2.06	5.9
K292030		29.9	141.0	<0.002	0.71	7.49	11.3	1	2.5	256	0.68	0.12	14.40	0.236	2.20	4.4
K292031		21.8	73.0	<0.002	0.22	2.37	10.4	1	2.0	432	0.67	0.10	12.15	0.240	0.96	4.2
K292032		15.7	93.1	<0.002	0.36	2.96	10.4	1	2.7	356	0.61	0.11	13.00	0.224	1.38	4.4
K292033		16.1	83.7	<0.002	0.28	3.05	10.7	1	2.7	360	0.59	0.11	12.35	0.226	1.35	3.9
K292034		96.7	158.0	<0.002	0.43	12.85	10.0	1	4.9	104.5	0.45	0.23	11.30	0.168	2.63	4.1
K292035		229	129.5	<0.002	3.78	24.2	10.2	1	5.9	39.4	0.34	2.61	9.95	0.139	1.53	3.0
K292036		2.2	1.4	<0.002	<0.01	0.11	0.2	1	0.2	55.2	<0.05	<0.05	0.13	<0.005	0.02	0.8
K292037		47.8	211	<0.002	0.40	30.6	9.8	1	4.7	36.7	0.46	0.15	12.25	0.179	3.19	3.7
K292038		13.5	74.4	<0.002	0.37	39.8	9.4	1	3.9	76.3	0.48	0.13	9.69	0.195	1.42	3.5
K292039		1285	166.0	<0.002	4.56	65.8	9.2	1	7.9	96.4	0.48	1.49	10.65	0.203	2.55	4.8
K292040		502	145.0	<0.002	1.35	24.5	8.7	1	4.7	85.3	0.42	0.33	11.55	0.160	2.05	4.4
K292041		15.9	83.7	0.002	0.38	10.90	8.7	1	2.5	178.0	0.52	<0.05	9.55	0.201	1.50	3.8
K292042		20.5	84.8	<0.002	0.06	2.19	9.3	1	1.2	358	0.59	<0.05	12.00	0.219	0.93	3.7
K292043		20.2	84.7	<0.002	0.09	2.52	9.6	1	1.3	384	0.59	<0.05	12.75	0.225	0.90	3.9
K292044		25.8	70.5	<0.002	0.17	2.99	10.3	1	3.0	349	0.61	0.10	12.05	0.236	1.26	3.3

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Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104645

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K292009		70	4.0	13.7	47	24.8	0.015
K292010		69	4.0	13.0	36	26.6	0.045
K292011		73	2.6	13.0	59	23.3	0.009
K292012		64	2.2	14.2	63	21.9	0.006
K292013		65	2.2	14.0	63	22.6	0.009
K292014		56	7.0	10.4	2070	20.1	0.309
K292015		67	2.2	12.4	50	27.7	0.009
K292016		71	2.2	14.4	58	28.9	0.033
K292017		65	2.8	11.2	316	29.0	0.046
K292018		70	1.9	25.3	2990	22.1	0.023
K292019		63	2.9	18.2	2210	20.6	0.073
K292020		65	5.5	11.2	872	27.0	0.371
K292021		64	7.1	12.1	1070	24.5	0.715
K292022		59	2.8	7.9	2200	18.5	0.041
K292023		126	2.6	13.0	2760	15.8	0.085
K292024		2	0.1	0.7	24	<0.5	<0.005
K292025		67	2.6	8.4	2810	18.2	0.055
K292026		66	3.6	11.8	2250	20.1	0.282
K292027		51	4.1	14.3	2310	16.2	2.09
K292028		61	3.4	15.4	3670	22.2	0.032
K292029		66	1.5	23.0	2090	27.0	0.005
K292030		66	1.3	16.0	585	26.3	0.008
K292031		67	1.0	16.6	87	26.6	0.005
K292032		68	0.7	16.4	98	24.0	<0.005
K292033		68	0.7	16.2	97	25.0	<0.005
K292034		53	1.4	10.8	251	21.7	0.020
K292035		61	3.3	7.1	544	14.0	0.289
K292036		2	0.1	0.8	21	<0.5	<0.005
K292037		51	2.1	11.1	89	19.1	0.014
K292038		67	1.3	13.7	73	20.4	0.008
K292039		62	5.8	11.2	2360	26.9	0.852
K292040		57	2.6	12.4	1880	19.1	0.226
K292041		59	1.1	14.0	75	21.4	<0.005
K292042		58	1.3	14.9	43	25.8	<0.005
K292043		60	1.1	15.2	55	27.9	<0.005
K292044		64	1.0	15.5	138	29.0	0.007

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

Project: Klaza

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16104645

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE VA16104646

Project: Klaza

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

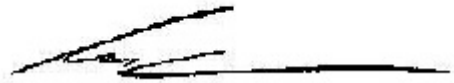
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 15-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16104646

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K291973		1.62	1.67	7.07	51.6	2250	1.76	1.95	1.73	0.49	54.8	9.3	14	14.25	6.7	2.90
K291974		1.44	0.08	7.03	12.0	2470	1.57	0.39	2.13	0.10	43.1	5.5	14	11.10	6.8	2.82
K291975		1.30	0.24	6.27	17.6	2320	1.65	2.49	2.81	0.17	53.5	5.4	19	13.55	6.9	2.75
K291976		1.36	0.46	6.42	19.5	1740	1.58	0.75	2.27	1.87	44.1	7.7	16	12.10	7.3	2.51
K291977		1.34	14.35	6.87	216	850	1.61	15.90	0.96	17.35	56.7	6.4	16	13.25	824	4.96
K291978		6.02	0.02	0.08	0.4	30	0.07	0.04	20.4	0.07	1.19	0.6	<1	0.38	2.2	0.47
K291979		1.02	0.53	6.88	41.7	1630	1.51	1.01	2.47	2.02	56.3	4.9	15	17.15	6.8	3.13
K291980		1.42	0.13	7.03	9.0	2310	1.68	0.55	2.28	0.15	48.4	6.2	12	11.45	6.1	3.00
K291981		1.26	0.11	6.94	12.4	2450	1.46	0.68	2.45	0.11	46.4	5.8	13	11.00	8.0	3.27
K291982		1.50	0.21	6.73	17.9	2160	1.46	1.79	2.45	0.07	53.0	4.3	17	11.30	11.3	3.05
K291983		0.34	10.95	6.33	1560	550	1.48	11.95	1.83	32.1	45.3	16.7	18	12.75	280	6.40
K291984		1.54	0.51	6.86	37.7	1860	1.56	1.33	2.37	1.98	51.8	4.3	16	15.55	51.8	3.13
K291985		1.44	2.10	6.93	76.8	1050	1.58	3.24	0.65	22.9	56.7	5.5	17	9.59	120.0	4.61
K291986		1.28	1.81	5.97	79.7	1760	1.41	3.06	2.48	8.71	15.05	10.1	15	4.97	33.1	4.07
K291987		6.32	0.01	0.06	<0.2	30	0.07	0.03	21.4	0.09	1.13	0.6	<1	0.15	1.8	0.50
K291988		2.34	1.06	6.82	46.8	1360	1.65	2.18	2.61	4.17	47.9	10.5	15	11.30	27.4	3.44
K291989		1.54	0.47	4.67	37.3	1510	1.09	1.49	1.21	0.24	14.40	11.2	24	6.57	29.5	2.09
K291990		1.36	0.13	7.33	18.2	2000	1.80	1.13	2.03	0.10	56.3	12.4	17	12.15	20.0	2.35
K291991		1.30	0.06	6.67	8.4	2680	1.72	0.50	2.43	0.06	51.8	3.5	15	11.55	7.8	2.83
K291992		0.76	0.07	6.80	8.1	2610	1.58	0.50	2.30	0.06	47.3	4.2	16	11.25	10.0	2.66
K291993		1.24	0.20	7.68	17.4	2780	1.29	0.63	2.30	0.12	56.2	5.6	19	10.65	31.0	3.12
K291994		1.20	0.22	6.60	20.8	1980	1.54	1.23	5.21	0.10	42.9	12.4	13	10.75	12.8	2.73
K291995		8.04	0.14	7.09	12.0	2460	1.85	0.44	2.34	0.12	53.3	6.7	14	10.15	15.3	2.99
K291996		<0.02	0.15	7.10	11.3	2420	1.63	0.53	2.34	0.11	56.6	6.1	16	9.87	18.8	2.98
K291997		1.34	0.11	6.26	9.1	1870	1.77	0.32	2.50	0.14	39.6	3.9	15	11.95	5.4	1.90
K291998		1.98	0.64	7.24	78.0	1750	1.62	0.89	2.26	1.09	53.1	4.7	20	18.20	35.1	3.31
K291999		1.26	4.64	6.45	236	1000	1.32	5.91	1.81	21.4	41.0	6.3	14	8.75	187.0	6.15
K292000		1.16	1.48	7.43	24.5	1410	1.80	1.43	1.61	16.65	44.7	6.4	15	15.90	60.5	3.74
K292001		2.20	0.71	6.60	28.6	1970	1.47	1.36	1.99	0.72	47.3	6.9	20	14.70	34.9	3.16
K292002		6.94	0.27	7.12	29.2	2480	1.76	2.84	2.13	0.31	48.6	19.4	18	10.95	62.2	3.09
K292003		0.34	4.82	6.84	725	1060	1.40	3.42	2.07	10.60	49.0	11.9	25	13.05	319	5.07
K292004		3.54	0.59	7.36	31.9	2110	1.73	2.78	1.66	0.24	34.3	8.6	18	11.35	69.3	3.18
K292005		1.34	1.10	7.27	62.6	1140	1.55	2.95	1.96	0.53	53.7	7.7	15	14.90	47.3	4.19
K292006		1.60	89.0	5.36	4700	890	1.05	130.0	1.64	11.50	37.7	7.2	20	9.25	4370	7.69
K292007		1.64	0.36	7.31	26.6	1970	1.30	0.78	1.14	0.84	51.3	6.0	17	20.2	29.7	2.79
K292008		7.08	0.18	7.26	12.4	2520	1.53	0.53	2.23	0.09	54.2	9.6	18	15.80	9.8	3.21

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

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Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104646

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K291973		16.25	0.13	1.3	0.159	3.51	30.7	25.2	0.68	957	2.38	0.06	6.9	4.9	500	51.2
K291974		17.00	0.10	1.2	0.048	3.01	22.7	19.1	0.55	552	1.72	1.08	7.8	3.1	570	16.0
K291975		15.10	0.13	1.1	0.106	2.90	30.0	35.9	0.66	716	1.95	0.33	6.3	3.1	490	11.3
K291976		15.30	0.09	1.1	0.145	3.13	23.3	22.7	0.56	846	5.28	0.62	6.2	2.1	530	104.0
K291977		16.85	0.10	1.1	0.720	3.23	32.1	9.4	0.67	1180	4.93	0.04	6.7	2.7	540	436
K291978		0.24	<0.05	<0.1	0.005	0.04	0.6	1.2	12.35	223	0.07	0.01	0.2	1.7	170	1.8
K291979		16.60	0.12	1.2	0.055	3.09	31.1	79.9	0.82	702	1.32	0.19	7.1	2.4	540	98.2
K291980		16.60	0.10	1.3	0.039	2.77	25.5	10.9	0.73	520	1.29	2.19	7.9	2.5	590	18.2
K291981		17.15	0.10	1.1	0.081	2.92	24.6	9.9	0.78	698	1.60	2.14	7.9	2.6	580	15.9
K291982		15.40	0.11	0.9	0.175	3.17	31.8	10.7	0.67	837	2.09	1.35	6.1	1.9	530	12.4
K291983		15.65	0.11	1.1	0.763	2.85	24.2	19.8	0.74	1820	9.06	0.12	6.2	12.7	530	1285
K291984		16.35	0.08	1.2	0.114	3.33	28.5	37.3	0.69	980	2.57	0.52	7.0	2.1	540	51.0
K291985		16.45	0.10	1.1	0.568	3.40	34.6	9.1	0.62	1320	2.60	0.05	5.7	2.2	540	358
K291986		13.50	0.08	0.7	0.302	2.97	7.6	7.0	0.68	789	7.95	0.04	3.7	2.3	510	298
K291987		0.18	0.07	<0.1	0.006	0.03	0.6	1.0	13.05	228	0.24	<0.01	0.1	1.6	180	2.0
K291988		16.15	0.08	1.0	0.268	3.47	27.2	7.9	0.87	1360	1.92	0.05	5.4	2.5	570	264
K291989		12.20	0.07	0.6	0.119	2.30	7.9	8.8	0.54	676	16.05	0.03	3.0	2.3	330	15.3
K291990		19.00	0.14	1.1	0.183	3.25	29.4	19.8	0.55	688	2.78	0.38	6.8	2.2	610	11.3
K291991		16.20	0.10	1.0	0.127	3.05	28.2	13.4	0.53	675	1.20	1.12	6.3	1.7	540	10.4
K291992		16.20	0.12	1.1	0.108	3.17	24.8	13.7	0.53	642	1.37	1.12	6.4	1.8	550	10.3
K291993		19.10	0.10	1.1	0.066	3.38	30.1	28.8	0.66	584	2.83	0.16	8.0	2.8	640	16.3
K291994		16.15	0.11	1.0	0.112	2.71	21.9	30.3	0.59	581	4.87	0.14	6.3	2.6	550	13.6
K291995		17.90	0.08	1.1	0.070	3.05	27.7	14.1	0.69	578	1.89	1.57	7.6	2.8	610	16.5
K291996		16.65	0.10	1.1	0.071	3.01	31.1	13.7	0.70	573	1.92	1.50	7.3	2.4	590	16.7
K291997		14.70	0.11	1.6	0.048	3.06	19.3	9.7	0.50	564	1.77	1.24	6.7	2.0	330	13.7
K291998		16.50	0.11	1.1	0.141	3.38	28.7	23.2	0.71	946	2.39	0.67	7.6	2.4	560	50.3
K291999		15.90	0.08	1.0	0.341	3.10	21.8	7.3	0.88	2100	2.95	0.04	5.9	2.3	510	940
K292000		16.95	0.11	1.0	0.409	3.70	23.3	10.7	0.77	1480	7.97	0.05	6.6	2.5	600	630
K292001		14.95	0.10	1.0	0.123	3.18	25.9	15.3	0.64	765	2.13	0.77	6.4	2.2	520	39.1
K292002		16.50	0.12	1.1	0.121	2.93	25.0	16.9	0.62	601	1.48	0.82	6.3	2.6	550	22.4
K292003		15.80	0.10	1.1	0.304	3.01	27.9	26.7	0.79	1920	14.95	0.15	6.1	15.0	540	503
K292004		16.30	0.08	0.9	0.134	3.42	15.9	15.7	0.57	777	1.94	0.37	6.5	2.3	570	24.3
K292005		16.65	0.10	0.9	0.146	3.39	29.9	8.9	0.88	1350	1.76	0.04	6.9	2.3	540	64.1
K292006		13.00	0.08	0.7	1.300	2.64	18.6	9.5	0.71	1050	3.87	0.03	5.1	2.4	400	1540
K292007		16.25	0.08	1.1	0.080	3.02	28.0	40.8	0.47	636	1.72	0.10	8.0	2.2	570	44.4
K292008		17.55	0.11	1.1	0.066	2.84	29.5	17.8	0.70	566	2.23	1.73	7.8	3.0	580	17.8

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

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Finalized Date: 15-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16104646

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K291973		192.0	<0.002	1.12	9.14	9.2	2	2.0	100.0	0.72	0.97	15.25	0.193	2.74	8.1	57
K291974		124.0	<0.002	0.24	6.74	10.2	1	1.6	224	0.67	0.13	12.20	0.241	1.57	3.2	67
K291975		138.0	<0.002	0.76	8.69	8.7	1	2.0	145.0	0.53	1.03	10.85	0.200	1.91	4.7	59
K291976		139.5	0.002	0.55	5.03	8.3	1	1.8	154.0	0.51	0.23	11.25	0.199	1.92	4.8	58
K291977		173.5	0.002	2.50	68.8	9.1	1	8.8	29.2	0.59	0.59	12.35	0.219	2.90	7.0	58
K291978		2.1	<0.002	<0.01	0.14	0.2	1	0.2	48.2	<0.05	<0.05	0.11	<0.005	0.02	0.6	2
K291979		126.5	<0.002	0.85	7.07	9.7	1	1.8	152.5	0.62	0.29	12.50	0.220	1.88	5.4	64
K291980		114.5	<0.002	0.18	2.56	10.8	1	1.6	354	0.67	0.19	12.45	0.245	1.21	3.9	68
K291981		113.5	<0.002	0.21	3.03	11.4	1	2.0	353	0.61	0.07	11.05	0.249	1.31	3.7	73
K291982		140.5	<0.002	0.53	3.85	9.1	1	2.1	256	0.50	0.29	10.95	0.206	1.77	4.1	62
K291983		160.5	0.002	4.56	64.0	9.1	1	7.8	95.6	0.50	0.99	10.45	0.208	2.57	4.9	62
K291984		133.5	<0.002	0.59	11.25	9.3	1	2.2	202	0.62	0.16	12.40	0.221	1.92	4.1	61
K291985		196.0	<0.002	2.04	10.75	10.0	<1	7.4	40.5	0.50	0.31	12.25	0.180	2.55	5.2	63
K291986		184.5	0.002	2.88	12.70	7.0	1	7.0	61.5	0.34	0.82	8.92	0.141	2.18	10.0	53
K291987		1.3	<0.002	0.01	0.12	0.2	<1	<0.2	50.9	<0.05	<0.05	0.11	<0.005	<0.02	0.6	2
K291988		156.5	<0.002	1.02	6.56	9.3	1	3.7	97.1	0.42	0.09	11.65	0.174	2.73	6.0	64
K291989		124.0	0.006	0.70	12.65	5.4	<1	1.5	66.6	0.25	0.15	6.61	0.110	1.62	3.0	60
K291990		144.5	<0.002	0.34	11.70	11.4	1	2.6	119.5	0.53	0.11	13.10	0.206	2.14	4.2	66
K291991		125.5	<0.002	0.18	4.19	9.4	1	2.1	213	0.54	<0.05	11.45	0.199	1.77	4.7	65
K291992		127.5	<0.002	0.16	4.52	9.0	1	2.1	223	0.53	<0.05	11.55	0.215	1.78	4.6	65
K291993		123.5	<0.002	0.24	9.63	11.3	1	2.1	116.0	0.62	0.07	13.10	0.263	1.58	2.8	75
K291994		117.0	0.002	0.80	9.29	9.7	1	2.1	203	0.51	0.17	12.10	0.211	1.59	8.3	65
K291995		124.5	<0.002	0.19	4.95	10.7	1	2.0	286	0.58	<0.05	11.55	0.235	1.53	3.9	70
K291996		126.0	<0.002	0.19	5.03	10.6	1	1.9	276	0.60	0.05	12.90	0.238	1.48	4.2	71
K291997		134.0	<0.002	0.10	10.25	6.4	1	1.4	197.0	0.89	0.07	19.55	0.146	1.78	6.4	40
K291998		157.0	<0.002	0.60	5.31	9.7	1	2.4	178.5	0.61	0.06	13.15	0.233	2.33	6.1	64
K291999		184.5	<0.002	5.01	10.25	8.6	1	9.2	35.8	0.50	0.43	10.50	0.205	2.60	3.1	58
K292000		234	0.002	0.43	7.08	9.8	<1	2.5	60.5	0.53	0.10	13.35	0.216	3.31	8.1	67
K292001		145.5	<0.002	0.51	3.45	8.9	<1	2.6	176.0	0.53	0.15	11.35	0.213	1.97	4.8	62
K292002		122.5	<0.002	0.66	14.45	9.3	1	2.2	176.0	0.54	0.37	12.45	0.205	1.79	4.2	64
K292003		164.5	0.005	2.72	28.7	9.1	1	5.6	111.0	0.48	0.30	11.00	0.213	2.55	5.1	67
K292004		162.0	<0.002	0.38	22.9	9.7	1	2.1	114.0	0.52	0.07	11.95	0.217	2.46	3.7	69
K292005		203	<0.002	2.72	9.98	9.7	2	3.2	67.1	0.56	0.44	11.85	0.237	2.80	6.3	66
K292006		157.0	0.002	7.39	86.9	6.4	1	7.3	37.6	0.40	2.45	7.72	0.173	2.47	4.9	45
K292007		144.5	<0.002	0.20	16.15	9.8	1	2.1	109.0	0.66	0.05	13.20	0.241	1.70	10.6	62
K292008		114.0	<0.002	0.16	5.59	10.4	1	1.9	312	0.62	0.05	12.70	0.241	1.30	5.0	70

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CERTIFICATE OF ANALYSIS VA16104646

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K291973		2.2	14.3	68	29.3	0.034
K291974		2.5	15.2	41	28.6	<0.005
K291975		1.8	13.5	50	24.1	0.005
K291976		1.4	12.3	162	23.3	0.005
K291977		5.7	9.0	1320	24.7	0.565
K291978		0.1	0.8	21	<0.5	<0.005
K291979		2.0	14.2	168	26.6	0.022
K291980		1.5	16.2	43	27.0	<0.005
K291981		1.8	15.8	50	24.4	<0.005
K291982		1.7	12.6	49	21.8	0.006
K291983		6.1	10.9	2370	27.5	0.926
K291984		2.4	13.0	188	26.1	0.011
K291985		6.1	7.7	1700	23.3	0.018
K291986		4.4	5.9	752	16.6	0.066
K291987		0.1	0.8	22	<0.5	<0.005
K291988		3.1	10.0	363	22.5	0.016
K291989		2.1	5.6	46	13.3	0.007
K291990		1.7	13.8	45	25.5	<0.005
K291991		1.3	13.0	61	23.8	<0.005
K291992		1.4	13.1	52	24.1	<0.005
K291993		3.7	14.8	55	26.9	<0.005
K291994		2.3	15.1	35	22.6	0.006
K291995		1.8	15.9	59	26.8	0.005
K291996		1.7	15.8	58	25.6	0.005
K291997		1.4	11.5	44	33.7	<0.005
K291998		3.7	13.8	132	25.9	0.040
K291999		8.2	7.4	1910	22.5	0.467
K292000		2.7	11.7	1340	23.4	0.006
K292001		2.1	12.1	94	23.0	0.013
K292002		2.0	12.4	74	24.4	0.011
K292003		5.5	11.6	878	29.6	0.353
K292004		2.3	10.9	73	21.7	0.014
K292005		5.3	12.0	78	21.6	0.035
K292006		6.5	6.9	950	16.1	2.73
K292007		4.7	15.0	99	24.8	0.024
K292008		1.5	16.6	45	25.5	0.012

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

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 15-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16104646

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112555

Project: Klaza

P.O. No.: Batch 14

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

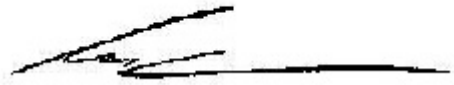
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112555

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290437		2.26		0.93	7.01	24.2	630	1.38	0.52	4.74	5.52	49.3	9.1	9	10.40	30.1
K290438		1.38		0.24	7.25	14.2	2140	1.45	0.14	3.07	0.10	46.0	7.5	9	9.18	3.0
K290439		1.80		0.25	8.02	13.0	2360	1.43	0.20	2.56	0.09	57.3	7.6	11	10.30	1.7
K290440		11.18		2.22	7.37	273	1970	1.37	0.20	3.21	5.34	50.2	7.6	11	10.20	8.8
K290441		9.98		0.88	6.81	60.5	1330	1.45	0.14	3.54	2.28	38.5	7.6	11	9.40	7.4
K290442		2.70		8.40	7.22	2730	470	1.27	1.57	1.62	14.95	48.1	7.6	10	10.40	51.4
K290443		6.00		0.02	0.08	3.4	30	0.07	0.02	21.1	0.10	1.26	0.6	<1	0.18	1.8
K290444		3.48		1.51	7.79	419	510	1.46	0.19	2.92	3.95	54.7	8.3	9	9.28	9.5
K290445		2.78		0.79	7.38	19.4	470	1.40	0.19	3.17	2.86	43.4	8.5	11	9.09	6.9
K290446		<0.02		0.87	7.57	18.2	480	1.54	0.15	3.29	3.17	49.4	8.2	9	9.55	6.7
K290447		3.20		1.16	7.20	21.2	530	1.43	0.11	3.11	1.77	41.9	8.0	10	9.87	7.1
K290448		3.60		0.75	6.82	35.4	610	1.39	0.08	3.81	0.66	41.4	6.8	10	9.67	2.6
K290449		2.92		0.50	7.33	15.8	880	1.56	0.25	3.62	0.34	41.0	8.6	10	11.85	2.4
K290450		2.18		0.05	6.98	10.2	590	1.96	0.17	4.69	0.24	51.7	6.3	30	27.2	11.2
K290451		2.52		0.04	6.82	10.7	490	1.83	0.14	3.23	0.35	46.3	4.6	30	26.6	11.5
K290452		2.78		0.83	8.24	46.4	5840	2.47	0.35	2.13	1.28	61.4	6.9	22	42.9	18.2
K290453		1.62		0.10	8.28	14.1	490	1.67	0.11	1.98	0.35	77.1	4.8	13	25.0	2.8
K290454		2.82		0.74	7.30	54.7	630	2.04	0.75	1.85	2.57	54.3	7.6	15	28.8	16.6
K290455		9.22		0.10	6.86	13.6	1240	1.61	0.24	2.09	0.25	57.1	4.8	14	23.2	4.8
K290456		0.42		4.07	6.62	682	370	1.39	3.20	2.06	10.60	47.3	11.5	24	13.15	303
K290457		2.34		2.13	6.50	44.6	1270	1.69	1.41	2.18	11.40	54.3	8.3	14	26.9	24.7
K290458		5.94		0.13	7.11	9.3	1300	1.71	0.22	2.18	0.35	61.5	4.6	13	25.6	4.5
K290459		1.54	1.625	32.3	5.70	172.5	720	1.53	0.17	2.03	226	43.5	6.8	7	19.30	32.1
K290460		2.06		1.19	7.09	50.0	740	1.51	0.11	2.45	3.13	36.5	7.8	10	18.40	6.9
K290461		0.66		0.82	7.08	37.9	910	1.63	0.11	2.21	2.38	43.2	7.7	8	18.95	6.9
K290462		2.60		0.21	6.82	9.4	2050	1.44	0.14	3.77	0.99	46.6	8.3	9	15.35	8.6
K290463		2.58		0.11	7.71	21.9	1250	1.69	0.09	4.05	1.39	77.3	9.9	30	22.2	4.0
K290464		0.34		11.10	6.36	1470	250	1.34	11.70	1.84	31.9	43.2	16.8	17	13.10	276
K290465		1.80		0.02	7.90	22.3	850	1.82	0.10	3.68	0.22	76.9	10.3	33	24.3	3.7
K290466		1.96		0.05	7.86	22.5	1440	1.89	0.10	3.81	0.26	79.1	9.8	31	26.5	9.7
K290467		1.60		7.00	6.93	296	1260	1.50	0.13	1.93	42.1	44.3	7.0	9	17.00	11.9
K290468		6.02		0.02	0.06	1.5	30	0.05	0.03	20.8	0.15	1.34	0.7	1	0.22	2.1
K290469		1.74		4.99	7.01	975	2200	1.76	1.69	2.99	78.1	45.6	9.1	8	19.00	10.2
K290470		2.88		0.63	7.65	321	850	1.88	2.40	3.41	1.52	43.2	8.8	9	21.5	10.3
K290471		6.70		0.64	7.41	222	1000	1.90	2.42	2.79	2.15	46.5	8.8	11	21.4	24.2
K290472		1.72		0.96	7.29	74.4	830	2.37	3.27	2.58	3.65	44.9	8.9	11	19.90	20.7

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112555

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290437		3.48	16.70	0.13	1.3	0.081	3.62	26.1	37.4	1.45	2020	0.42	0.04	7.0	3.0	570
K290438		2.97	14.90	0.15	1.3	0.029	2.46	24.0	60.6	1.02	968	0.31	0.04	7.4	2.4	620
K290439		3.14	16.05	0.16	1.3	0.033	2.94	31.3	80.8	0.98	1200	0.36	0.04	7.9	2.6	670
K290440		3.40	15.60	0.16	1.3	0.204	2.64	27.1	38.0	0.86	1320	0.42	0.27	7.5	2.8	620
K290441		3.05	15.30	0.15	1.2	0.150	2.58	17.6	30.6	0.87	961	0.35	0.87	7.6	2.7	620
K290442		5.61	14.75	0.15	1.2	0.271	3.39	25.3	8.8	0.76	1230	0.97	0.03	6.8	3.1	570
K290443		0.51	0.24	0.13	<0.1	0.006	0.03	0.6	1.1	13.10	228	<0.05	0.01	0.1	1.6	170
K290444		4.01	16.10	0.15	1.3	0.113	2.79	29.4	51.1	1.11	1130	0.39	0.06	7.6	2.8	640
K290445		3.11	16.25	0.13	1.3	0.054	2.32	21.7	49.5	0.78	955	0.29	0.10	8.0	2.6	660
K290446		3.17	16.20	0.16	1.2	0.054	2.27	25.6	48.5	0.85	957	0.22	0.09	7.9	2.6	660
K290447		3.12	15.50	0.12	1.3	0.063	2.64	20.4	33.3	0.71	1180	0.27	0.16	7.9	2.7	680
K290448		2.90	15.20	0.13	1.2	0.038	2.64	20.8	31.9	0.80	1260	0.35	0.04	7.1	2.6	600
K290449		3.03	16.50	0.15	1.3	0.038	3.48	20.8	22.7	1.10	1400	0.31	0.22	7.6	2.8	630
K290450		2.37	18.45	0.16	4.0	0.019	2.85	26.3	30.9	0.91	769	0.48	0.07	9.0	24.3	670
K290451		1.93	17.95	0.18	4.0	0.026	2.93	23.0	25.6	0.77	750	0.44	0.07	8.6	20.3	650
K290452		2.13	20.4	0.18	3.3	0.036	3.36	30.5	60.1	0.72	1390	1.87	0.07	11.2	14.2	820
K290453		2.64	18.30	0.17	2.7	0.024	3.18	40.9	51.9	0.87	780	0.47	0.07	12.2	3.9	1000
K290454		2.40	18.60	0.09	2.6	0.057	2.92	26.7	99.2	0.71	979	2.04	0.06	11.1	10.6	850
K290455		2.44	17.25	0.11	2.4	0.027	2.79	27.7	58.0	0.72	782	0.87	0.06	11.3	3.5	900
K290456		4.87	14.45	0.08	1.0	0.288	2.90	27.4	24.9	0.77	1810	15.70	0.14	5.9	13.8	510
K290457		2.12	16.80	0.10	2.2	0.038	2.53	27.7	69.2	0.66	842	1.84	0.06	10.1	5.3	780
K290458		2.35	17.50	0.12	2.5	0.029	2.67	31.2	111.0	0.73	849	1.40	0.07	11.4	3.1	880
K290459		3.00	13.35	0.07	1.3	0.059	2.28	23.2	73.1	0.72	10550	2.12	0.04	6.6	3.0	560
K290460		2.89	15.55	0.08	1.1	0.034	2.90	17.9	130.0	0.75	2900	0.40	0.05	7.1	2.7	600
K290461		2.85	16.10	0.09	1.3	0.038	2.69	22.1	161.0	0.73	2290	0.36	0.06	7.5	2.7	610
K290462		3.16	14.75	0.12	1.1	0.038	2.47	24.8	101.5	1.03	1340	0.30	0.53	7.1	2.6	580
K290463		3.54	18.50	0.14	4.2	0.039	2.49	40.3	70.7	1.41	1710	0.41	0.07	11.4	12.6	1770
K290464		6.24	14.60	0.07	1.1	0.764	2.78	22.7	18.4	0.75	1700	8.42	0.12	6.2	11.7	510
K290465		3.40	18.65	0.14	4.2	0.042	2.55	39.4	64.5	1.33	1300	0.38	0.07	12.0	13.0	1840
K290466		3.35	19.00	0.15	4.5	0.032	2.47	41.5	64.9	1.39	1580	0.52	0.07	12.0	12.9	1800
K290467		2.46	15.90	0.10	1.2	0.074	3.45	24.5	10.0	0.65	9900	5.89	0.03	7.4	2.6	590
K290468		0.45	0.28	0.23	<0.1	0.006	0.03	0.7	1.2	12.70	206	0.12	<0.01	0.2	1.4	160
K290469		2.98	14.65	0.17	1.4	0.183	3.20	25.1	15.1	0.91	6160	3.72	0.03	7.5	2.8	580
K290470		3.36	16.55	0.16	1.5	0.080	3.37	22.0	40.1	0.97	2910	0.97	0.05	8.9	2.6	660
K290471		3.34	16.05	0.14	1.5	0.120	3.38	23.8	80.9	0.86	2510	0.78	0.18	7.8	2.8	630
K290472		3.49	16.70	0.12	1.3	0.152	3.39	22.6	151.0	0.80	3700	0.70	0.06	8.0	2.9	670

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112555

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K290437		423	169.0	<0.002	0.42	11.60	10.3	1	3.8	153.5	0.64	<0.05	12.60	0.244	2.09	6.3
K290438		9.8	103.0	<0.002	0.18	10.25	10.9	1	1.5	193.5	0.66	<0.05	12.25	0.263	1.48	3.1
K290439		13.8	145.0	<0.002	0.24	7.75	12.0	1	1.7	186.0	0.66	<0.05	14.70	0.291	1.70	3.8
K290440		387	128.0	<0.002	0.64	13.00	11.3	<1	3.4	207	0.64	<0.05	13.95	0.265	1.57	6.2
K290441		120.0	86.3	<0.002	0.21	7.51	10.6	1	2.1	245	0.63	<0.05	10.90	0.280	1.35	3.0
K290442		1070	196.5	<0.002	2.93	46.0	10.9	1	7.7	111.5	0.56	<0.05	12.30	0.254	2.40	42.0
K290443		3.0	1.5	<0.002	0.01	0.15	0.2	<1	0.2	53.2	<0.05	<0.05	0.12	<0.005	0.03	0.7
K290444		292	139.5	<0.002	0.69	12.20	12.0	1	3.7	169.0	0.63	<0.05	15.00	0.286	1.75	9.9
K290445		165.0	82.1	<0.002	0.22	8.55	11.2	<1	2.6	187.0	0.62	<0.05	10.50	0.298	1.25	3.9
K290446		180.5	95.8	<0.002	0.23	8.75	11.9	1	2.5	187.5	0.65	<0.05	12.80	0.293	1.29	4.3
K290447		153.5	98.0	<0.002	0.31	8.87	11.5	1	2.2	178.5	0.63	<0.05	10.50	0.298	1.50	2.8
K290448		65.4	106.5	<0.002	0.18	7.30	10.4	1	2.2	177.0	0.59	<0.05	10.30	0.266	1.52	3.8
K290449		37.1	131.5	<0.002	0.31	6.91	10.9	<1	2.5	212	0.65	0.05	11.00	0.283	1.97	4.1
K290450		41.0	93.4	<0.002	0.01	4.10	5.6	1	1.7	592	0.72	<0.05	9.39	0.262	1.59	3.6
K290451		16.7	89.0	<0.002	0.01	5.33	5.3	1	1.6	452	0.69	<0.05	8.92	0.262	1.74	3.6
K290452		49.0	113.0	<0.002	0.26	11.45	7.4	1	2.1	518	0.81	<0.05	10.90	0.303	2.01	5.3
K290453		16.0	106.0	<0.002	0.03	4.43	6.4	1	1.6	457	0.84	<0.05	11.10	0.277	1.71	4.5
K290454		68.7	94.0	0.002	0.23	10.35	7.4	1	2.4	492	0.83	<0.05	10.15	0.272	1.86	5.8
K290455		21.6	80.0	<0.002	0.05	7.99	5.8	1	1.4	360	0.75	<0.05	9.00	0.252	1.58	4.4
K290456		468	159.0	0.006	2.64	26.1	9.0	1	5.2	105.0	0.50	0.30	11.10	0.199	2.45	5.1
K290457		472	85.2	<0.002	0.21	15.35	6.5	1	3.0	360	0.69	<0.05	9.00	0.246	1.64	4.4
K290458		22.0	81.3	<0.002	0.04	8.30	6.0	1	1.5	391	0.76	<0.05	9.82	0.259	1.49	5.4
K290459		1420	115.5	<0.002	1.64	28.4	7.8	1	3.2	231	0.52	<0.05	8.87	0.201	1.91	4.1
K290460		118.5	114.5	<0.002	0.59	15.30	11.4	1	1.5	212	0.62	<0.05	11.10	0.266	2.18	3.9
K290461		107.0	110.0	<0.002	0.28	13.35	11.9	1	1.6	220	0.68	<0.05	12.75	0.274	1.96	3.9
K290462		21.3	101.5	<0.002	0.11	9.16	11.5	1	1.4	312	0.67	<0.05	12.00	0.259	1.74	3.6
K290463		33.6	100.5	<0.002	0.03	16.95	8.4	1	1.2	642	0.75	<0.05	8.47	0.433	1.11	4.2
K290464		1250	160.0	<0.002	4.44	60.7	9.2	2	7.6	92.4	0.52	1.01	10.80	0.200	2.56	5.0
K290465		13.1	95.4	<0.002	0.02	16.55	8.5	<1	1.3	608	0.77	<0.05	8.27	0.454	1.11	3.3
K290466		14.0	100.0	<0.002	0.04	18.35	8.6	<1	1.2	617	0.80	<0.05	8.79	0.443	1.12	3.9
K290467		1335	204	<0.002	0.65	17.30	11.7	1	2.2	106.5	0.56	<0.05	12.05	0.268	2.49	12.4
K290468		4.4	1.5	<0.002	<0.01	0.16	0.2	<1	<0.2	50.0	<0.05	<0.05	0.71	<0.005	0.02	1.0
K290469		1480	154.0	<0.002	0.76	17.05	11.5	1	3.1	250	0.59	<0.05	12.15	0.260	2.43	5.5
K290470		54.4	115.5	<0.002	0.37	11.40	13.0	<1	5.1	456	0.67	<0.05	12.30	0.306	2.03	4.7
K290471		56.5	141.0	<0.002	0.36	15.55	12.4	1	4.8	360	0.63	<0.05	12.70	0.283	2.47	4.5
K290472		96.5	141.0	<0.002	0.38	15.10	13.0	1	6.5	313	0.67	<0.05	12.35	0.295	2.27	4.7

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

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112555

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K290437		91	2.3	14.3	474	32.4	<0.005
K290438		80	1.8	10.9	67	30.7	<0.005
K290439		87	2.0	12.3	65	33.8	<0.005
K290440		80	1.6	11.8	555	32.5	<0.005
K290441		83	1.4	10.3	228	31.9	<0.005
K290442		75	2.6	10.3	1370	28.7	0.330
K290443		2	0.1	0.8	23	<0.5	<0.005
K290444		85	1.6	11.0	422	33.2	0.013
K290445		94	1.4	10.1	325	35.0	<0.005
K290446		93	1.4	11.8	334	32.4	<0.005
K290447		89	1.4	10.5	214	32.4	<0.005
K290448		85	1.5	11.2	109	31.1	<0.005
K290449		92	2.1	11.8	78	33.8	<0.005
K290450		52	1.1	10.6	85	159.5	<0.005
K290451		51	1.3	9.9	72	156.0	<0.005
K290452		65	2.5	12.5	156	132.0	<0.005
K290453		53	1.6	13.8	104	97.5	<0.005
K290454		59	2.5	12.9	225	91.4	0.005
K290455		51	1.6	11.8	85	84.0	<0.005
K290456		64	5.4	11.8	843	30.1	0.386
K290457		53	2.2	11.6	649	75.2	<0.005
K290458		50	1.6	12.5	90	85.5	<0.005
K290459		50	2.3	11.1	>10000	40.5	0.056
K290460		78	2.5	12.7	285	26.5	0.015
K290461		80	2.3	13.1	250	30.6	<0.005
K290462		76	1.7	15.0	149	25.4	<0.005
K290463		85	1.1	14.0	194	173.0	<0.005
K290464		59	6.3	11.3	2290	29.3	0.902
K290465		88	1.2	13.9	101	180.0	<0.005
K290466		85	1.1	14.0	121	180.5	<0.005
K290467		76	1.8	13.6	3190	34.4	0.069
K290468		1	0.1	0.8	20	0.8	<0.005
K290469		75	2.2	14.5	6170	37.2	0.022
K290470		90	1.5	17.0	187	41.2	<0.005
K290471		86	2.1	16.4	271	38.8	0.011
K290472		88	2.4	15.0	461	33.0	0.005

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

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112555

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112556

Project: Klaza

P.O. No.: Batch 17

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

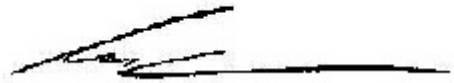
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112556

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292369		1.44	1.31	6.76	9.2	1780	1.32	4.57	2.16	0.73	45.9	4.6	9	13.75	501	2.94
K292370		4.30	0.22	7.32	29.9	800	1.30	0.59	2.52	0.92	41.6	6.7	11	19.30	89.6	3.18
K292371		1.76	1.06	6.66	62.1	470	1.34	2.04	2.13	2.80	44.5	7.0	8	18.55	267	3.67
K292372		1.26	5.38	6.98	164.5	290	1.16	10.05	1.04	2.83	45.4	11.9	8	10.05	875	5.98
K292373		5.02	0.02	0.06	0.4	30	0.05	0.05	20.3	0.06	1.16	0.7	1	0.19	3.8	0.47
K292374		3.04	1.41	7.18	26.9	840	1.37	2.22	1.79	2.53	51.3	10.4	8	15.30	319	4.17
K292375		5.22	1.75	7.13	55.2	580	1.31	8.09	1.74	1.15	46.4	8.4	9	15.20	502	3.96
K292376		6.52	3.28	7.06	60.0	480	1.22	7.98	1.19	1.63	50.5	9.3	9	10.20	777	4.75
K292377		0.30	4.30	6.46	699	430	1.29	3.40	2.03	10.50	47.4	11.7	24	13.15	295	4.98
K292378		1.88	6.06	6.68	111.5	150	1.24	8.17	0.44	2.19	39.8	9.5	9	7.39	1880	6.01
K292379		7.90	0.97	6.92	20.3	620	1.39	1.15	1.98	1.50	47.4	7.9	10	12.95	353	3.19
K292380		7.72	0.73	6.83	35.8	700	1.36	1.40	2.26	0.54	46.3	7.2	9	15.10	264	3.36
K292381		1.36	2.12	6.54	56.3	1510	1.59	2.07	3.61	23.5	42.4	5.8	8	29.9	31.0	3.05
K292382		1.40	1.38	6.20	73.2	3850	1.50	2.80	2.91	2.63	40.6	10.6	10	24.5	36.0	3.42
K292383		6.02	0.01	0.08	0.6	310	0.06	0.10	20.7	0.13	1.27	0.7	<1	0.36	2.2	0.47
K292384		1.40	0.56	7.29	36.1	800	1.67	1.04	3.31	1.59	48.0	7.3	13	35.5	14.4	3.17
K292385		3.02	0.89	7.02	27.1	3370	1.32	1.63	2.72	0.57	45.9	8.6	11	22.1	18.6	2.93
K292386		2.48	0.83	6.93	73.5	2410	1.45	1.87	3.01	5.25	45.3	7.9	8	22.3	23.5	3.03
K292387		4.40	0.58	6.74	44.8	1580	1.55	3.28	2.34	1.02	41.4	7.2	10	16.95	60.6	3.04
K292388		0.30	12.85	6.30	1540	890	1.32	13.35	1.86	31.8	44.7	16.7	18	13.30	274	6.49
K292389		2.42	0.75	6.72	53.7	1150	1.29	4.49	2.99	0.82	45.0	9.4	11	16.60	30.2	3.03
K292390		3.16	0.88	7.26	69.0	1270	1.65	77.0	3.24	1.44	32.8	15.1	304	25.2	136.0	5.12
K292391		1.66	0.74	6.96	69.9	640	1.42	9.70	2.26	0.86	44.8	10.7	28	13.15	44.0	3.50
K292392		0.70	0.63	6.94	61.4	640	1.53	6.34	2.47	0.94	46.4	9.1	10	12.05	25.8	3.44
K292393		1.66	5.37	5.05	256	430	1.20	174.5	1.72	0.47	24.1	59.5	33	8.36	1070	9.37
K292394		2.66	0.74	7.24	49.0	310	1.81	13.80	2.86	0.30	36.6	8.6	38	11.70	157.0	4.68
K292395		1.88	0.87	7.50	44.4	500	1.62	10.75	2.22	0.43	37.0	9.4	20	10.90	20.9	4.63
K292396		6.26	0.49	7.27	27.5	490	1.75	5.13	2.64	0.32	38.0	9.0	15	9.85	8.8	3.90
K292397		<0.02	0.48	7.15	25.6	370	1.63	4.62	2.67	0.27	36.1	8.9	16	9.78	5.3	3.97
K292398		4.66	0.47	6.94	18.9	590	1.56	3.04	2.54	0.21	37.3	8.4	15	8.81	9.9	3.28
K292399		7.82	0.51	7.23	33.4	1740	1.73	2.95	3.21	0.29	35.8	6.2	15	13.20	5.7	3.15
K292400		3.76	0.41	7.40	42.5	1730	1.81	4.36	2.29	0.40	35.7	7.2	16	15.80	48.5	3.09
K292401		4.98	2.17	7.28	88.9	530	1.74	8.51	2.19	2.16	36.6	7.8	17	12.75	43.8	4.40
K292402		1.46	1.45	7.55	73.2	1460	1.65	9.27	2.46	0.71	39.1	6.8	19	16.40	87.2	3.53
K292403		1.42	1.19	6.98	51.1	960	1.93	29.9	3.15	0.49	34.4	4.3	23	19.65	456	3.06
K292404		1.64	1.61	7.75	86.4	360	2.07	11.50	2.25	0.55	41.2	12.3	43	14.50	179.0	5.59

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

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292369		16.00	0.14	0.8	0.051	2.65	24.5	16.9	0.68	345	6.68	1.41	6.1	2.2	530	26.3
K292370		15.50	0.13	0.8	0.018	2.80	21.8	26.1	0.82	344	1.13	1.12	6.3	2.2	600	21.0
K292371		14.35	0.12	0.7	0.120	3.32	24.1	13.1	0.95	636	1.36	0.05	4.0	2.2	560	35.1
K292372		13.50	0.10	0.7	0.153	3.46	24.4	20.7	0.60	315	5.32	0.08	2.9	2.9	550	51.9
K292373		0.21	0.08	<0.1	<0.005	0.03	0.6	1.2	12.60	202	0.06	0.01	0.3	1.3	180	1.2
K292374		16.20	0.15	0.8	0.206	3.41	28.0	25.9	0.83	427	1.91	0.11	4.0	2.6	570	64.6
K292375		17.00	0.13	0.8	0.110	3.21	24.9	16.7	0.73	402	4.13	0.13	5.0	2.2	550	40.0
K292376		17.35	0.11	0.8	0.243	3.48	27.8	13.3	0.73	518	14.55	0.07	3.5	2.1	540	81.6
K292377		15.35	0.11	1.0	0.284	2.91	27.1	25.5	0.78	1840	15.50	0.15	6.3	13.6	500	461
K292378		19.10	0.10	0.7	0.408	3.44	20.3	7.9	0.52	256	3.69	0.06	2.9	2.6	520	83.8
K292379		15.05	0.14	0.9	0.125	3.24	25.3	17.8	0.78	392	15.60	0.35	4.9	2.4	560	33.5
K292380		15.15	0.11	0.8	0.082	3.02	24.6	16.6	0.93	337	1.80	0.14	4.8	2.3	550	19.5
K292381		15.55	0.14	0.9	0.484	2.63	21.6	22.6	0.95	1240	1.85	0.07	7.6	2.9	580	240
K292382		15.25	0.11	1.0	0.253	2.39	22.3	18.9	1.23	835	2.03	0.04	6.2	5.2	510	61.5
K292383		0.30	0.07	<0.1	0.007	0.03	0.6	1.3	12.85	218	0.08	0.01	0.2	1.3	170	2.0
K292384		18.00	0.15	1.7	0.081	1.65	23.8	60.2	1.03	1020	1.68	0.04	9.2	4.6	740	72.9
K292385		17.05	0.15	1.2	0.108	2.52	24.2	42.3	0.96	768	1.72	0.05	8.3	4.7	640	20.2
K292386		16.00	0.14	1.0	0.195	2.78	24.1	28.1	1.03	1280	1.21	0.16	7.8	5.2	580	123.0
K292387		17.10	0.11	1.1	0.239	2.64	20.7	29.9	0.83	849	1.75	0.80	8.6	4.0	650	50.4
K292388		15.10	0.12	1.1	0.776	2.86	24.1	19.0	0.78	1780	9.01	0.12	6.5	11.4	510	1255
K292389		14.00	0.10	1.0	0.307	2.60	25.4	31.8	1.22	913	1.94	0.06	6.9	7.1	440	47.8
K292390		16.35	0.08	1.8	0.581	1.95	16.8	38.2	1.59	1390	1.70	0.07	6.4	80.3	690	68.7
K292391		15.30	0.10	1.3	0.439	2.71	25.1	11.4	1.01	848	1.44	0.47	7.2	13.4	440	39.5
K292392		15.65	0.10	1.4	0.464	2.66	25.8	12.6	1.08	927	1.44	0.51	7.8	11.3	440	37.1
K292393		12.65	0.07	1.2	0.783	2.23	12.1	22.5	0.76	524	6.89	0.08	5.8	6.5	610	51.9
K292394		17.45	0.10	1.7	0.699	3.22	18.6	13.4	1.17	846	2.01	0.31	9.6	7.2	910	23.0
K292395		19.75	0.11	1.5	1.290	3.72	19.1	7.6	0.97	766	1.50	0.07	10.0	4.6	670	47.7
K292396		17.40	0.12	1.3	1.455	3.38	20.4	23.7	0.94	801	1.04	0.15	10.0	4.1	620	25.4
K292397		17.25	0.11	1.4	1.475	3.37	19.2	23.5	0.95	817	0.95	0.15	10.0	4.3	610	27.2
K292398		17.50	0.10	1.2	1.355	3.36	19.6	17.2	1.00	775	1.63	0.06	10.1	6.1	590	25.0
K292399		17.10	0.11	1.3	0.944	3.70	18.7	7.5	1.08	1080	1.20	0.05	10.4	4.4	650	31.3
K292400		17.20	0.08	1.4	0.622	3.53	19.0	27.4	0.65	1000	1.25	0.05	10.5	4.4	640	31.8
K292401		18.05	0.09	1.4	0.749	3.51	19.2	6.7	0.88	1660	1.15	0.06	10.3	4.7	670	238
K292402		17.40	0.10	1.6	0.512	3.47	21.0	11.2	0.74	1220	1.44	0.07	10.4	4.0	630	74.5
K292403		15.95	0.09	1.7	0.753	3.14	17.8	12.1	0.94	921	2.32	0.07	10.0	4.5	680	57.1
K292404		19.60	0.09	1.8	1.220	3.45	21.4	19.2	1.08	1350	2.44	0.07	10.3	8.7	990	59.9

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292369		110.5	<0.002	1.06	1.11	10.0	1	4.5	307	0.44	1.26	10.60	0.197	1.58	4.3	61
K292370		94.1	<0.002	1.59	6.77	10.2	2	2.3	990	0.47	<0.05	10.60	0.214	1.69	3.4	69
K292371		153.5	<0.002	1.91	16.65	10.3	1	4.2	55.2	0.34	0.13	11.35	0.156	2.95	5.5	63
K292372		156.0	0.002	5.35	23.6	9.8	4	5.6	66.3	0.26	1.71	11.30	0.128	2.28	3.2	64
K292373		1.2	<0.002	<0.01	0.09	0.2	1	<0.2	48.9	<0.05	<0.05	0.13	<0.005	0.02	0.9	2
K292374		166.5	<0.002	2.53	12.30	11.0	3	6.4	62.7	0.34	0.23	12.55	0.147	2.73	4.4	65
K292375		135.5	0.005	2.11	24.3	10.5	2	5.7	91.1	0.40	0.93	12.30	0.165	2.30	6.4	66
K292376		182.5	0.009	3.33	19.20	9.9	2	11.4	46.4	0.29	0.89	12.85	0.137	2.37	3.1	61
K292377		157.5	0.006	2.52	27.5	9.1	1	5.6	103.0	0.51	0.29	11.05	0.190	2.40	5.0	63
K292378		189.5	<0.002	5.48	38.3	9.9	3	16.7	18.2	0.25	1.73	10.70	0.116	2.30	3.9	62
K292379		150.0	0.009	1.84	5.16	10.5	3	5.0	169.0	0.42	0.09	12.05	0.169	2.39	4.5	66
K292380		119.0	<0.002	2.26	36.9	10.0	2	4.1	90.4	0.40	0.21	11.50	0.162	2.02	4.2	64
K292381		94.6	<0.002	0.32	9.44	10.3	1	2.4	179.5	0.61	0.08	10.65	0.232	1.87	2.3	67
K292382		128.5	<0.002	0.55	10.85	9.1	1	3.1	163.5	0.43	0.23	9.17	0.198	1.92	2.3	64
K292383		1.9	<0.002	<0.01	0.08	0.2	<1	<0.2	53.7	<0.05	<0.05	0.09	<0.005	0.02	0.6	2
K292384		47.0	<0.002	0.08	11.70	10.9	1	1.7	289	0.69	0.05	8.67	0.278	1.19	3.9	77
K292385		84.8	0.002	0.29	9.58	10.4	1	1.7	182.5	0.62	0.18	10.85	0.244	1.52	2.1	70
K292386		99.8	<0.002	0.51	9.70	10.6	1	1.9	173.0	0.56	0.20	11.00	0.235	1.66	3.7	68
K292387		86.3	<0.002	0.40	9.53	11.1	1	2.0	229	0.65	0.19	10.10	0.251	1.53	3.1	72
K292388		162.5	<0.002	4.37	61.2	9.2	2	7.7	92.6	0.54	1.51	10.95	0.197	2.44	5.1	61
K292389		100.0	<0.002	1.29	6.56	7.7	1	1.9	142.0	0.69	0.56	12.70	0.175	1.60	4.7	52
K292390		70.2	<0.002	0.29	28.6	19.2	1	1.1	241	0.49	0.36	6.42	0.305	1.20	3.2	132
K292391		113.5	0.002	2.40	8.73	8.5	1	4.9	130.0	0.75	0.56	14.80	0.192	1.77	4.1	57
K292392		104.0	<0.002	2.26	6.30	8.1	1	4.8	133.0	0.88	0.54	15.70	0.190	1.74	4.7	54
K292393		94.3	0.002	9.03	19.15	8.4	2	5.3	78.7	0.44	1.58	5.94	0.174	1.41	2.5	62
K292394		122.0	<0.002	3.29	9.05	10.9	2	2.8	167.0	0.72	0.93	8.50	0.264	2.00	4.6	83
K292395		157.0	<0.002	3.39	5.95	7.8	1	3.1	113.0	0.77	0.79	9.38	0.237	2.48	4.3	66
K292396		139.0	<0.002	2.49	3.86	6.8	2	2.0	149.0	0.76	0.57	9.70	0.224	2.13	4.3	57
K292397		133.5	<0.002	2.55	3.84	6.8	1	1.9	149.5	0.79	0.62	9.44	0.223	2.26	4.5	57
K292398		127.0	<0.002	1.93	3.92	6.7	1	1.8	157.0	0.79	0.42	9.14	0.223	2.15	4.2	57
K292399		127.5	<0.002	1.49	5.17	6.7	1	1.6	121.5	0.78	0.38	9.19	0.230	2.71	3.4	58
K292400		131.5	<0.002	1.37	9.60	6.8	1	1.6	111.0	0.83	0.30	9.71	0.233	2.72	2.8	58
K292401		151.5	<0.002	2.54	8.67	7.4	1	2.5	91.9	0.79	0.58	9.36	0.234	3.02	4.3	62
K292402		160.0	<0.002	1.55	12.90	7.0	1	1.8	128.0	0.83	0.31	10.10	0.233	2.92	4.3	58
K292403		117.0	<0.002	1.11	12.40	7.4	1	1.9	372	0.77	0.43	7.98	0.239	2.30	4.0	63
K292404		160.0	<0.002	3.24	9.52	12.3	1	7.5	164.5	0.75	1.09	9.22	0.294	2.82	5.2	96

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292369		7.1	12.7	106	21.8	0.104
K292370		3.5	11.6	95	23.5	0.020
K292371		5.6	9.9	211	20.3	0.058
K292372		9.2	11.6	150	19.7	0.357
K292373		0.1	0.7	18	<0.5	<0.005
K292374		6.1	11.3	204	23.7	0.051
K292375		6.0	11.5	125	22.2	0.067
K292376		10.3	10.1	169	20.6	0.121
K292377		5.6	11.4	834	30.1	0.351
K292378		11.8	8.2	147	19.7	0.279
K292379		6.4	12.3	101	22.9	0.068
K292380		9.0	11.8	74	21.7	0.059
K292381		2.4	14.9	1080	23.8	0.135
K292382		3.2	12.2	189	33.2	0.067
K292383		0.1	0.8	21	<0.5	<0.005
K292384		3.1	16.7	189	57.9	0.022
K292385		2.9	14.3	88	37.5	0.025
K292386		1.7	14.4	526	27.9	0.030
K292387		2.2	14.3	130	32.0	0.020
K292388		5.9	10.7	2340	30.1	0.879
K292389		2.0	12.3	107	27.2	0.039
K292390		5.7	13.1	246	68.0	0.020
K292391		2.9	12.0	98	32.4	0.050
K292392		2.9	12.8	100	32.9	0.051
K292393		3.1	9.1	50	38.8	0.299
K292394		4.0	11.8	56	51.7	0.047
K292395		3.8	11.3	62	43.1	0.077
K292396		3.2	10.6	51	42.6	0.036
K292397		3.2	10.5	52	40.3	0.035
K292398		3.0	10.4	42	36.5	0.026
K292399		2.9	10.9	64	38.4	0.029
K292400		2.5	10.2	96	42.8	0.025
K292401		3.8	11.3	215	44.1	0.100
K292402		3.3	11.4	102	48.6	0.093
K292403		2.7	10.8	76	54.5	0.188
K292404		5.4	13.1	117	55.0	0.066

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

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

Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112556

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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

Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112559

Project: Klaza

P.O. No.: Batch 19

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

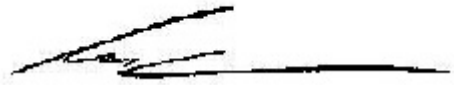
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112559

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292441		2.22	0.45	7.76	42.8	730	1.93	0.44	2.75	0.37	54.7	6.5	21	22.3	12.9	2.43
K292442		7.62	0.24	7.63	22.6	2070	1.58	0.11	2.55	0.19	54.9	5.6	23	17.50	9.1	2.26
K292443		0.32	11.45	6.54	1550	1170	1.26	11.50	1.83	31.5	47.9	18.2	17	14.30	284	6.50
K292444		1.24	0.14	7.59	18.2	1390	1.83	0.15	1.77	0.26	57.6	4.3	28	21.5	7.8	2.05
K292445		1.36	2.05	7.57	93.7	850	1.81	0.82	1.04	3.78	63.4	6.8	30	20.8	48.8	2.05
K292446		1.78	34.9	5.07	2030	860	1.27	13.70	0.91	56.9	29.1	8.1	14	13.70	577	13.95
K292447		6.06	0.05	0.07	1.9	30	<0.05	0.04	20.5	0.11	1.17	0.6	1	0.22	2.8	0.47
K292448		1.74	24.0	7.67	335	1090	1.18	5.03	0.30	54.9	47.6	6.7	10	5.53	198.0	5.54
K292449		1.46	15.00	7.70	350	1330	1.60	5.28	2.02	26.7	54.2	6.3	9	13.90	545	3.50
K292450		1.72	4.35	7.96	99.2	1060	1.66	5.59	2.16	6.80	50.1	6.1	9	13.15	39.4	4.01
K292451		<0.02	4.03	8.04	89.6	1120	1.73	5.27	2.09	6.38	58.6	6.3	11	13.55	39.9	3.99
K292452		4.06	0.47	7.71	31.9	1670	1.77	0.79	2.81	0.32	47.2	6.1	13	19.35	41.9	3.10
K292453		3.02	0.47	8.04	29.7	1880	1.73	0.75	2.46	2.22	54.3	7.1	12	16.55	10.7	3.52
K292454		4.24	3.91	7.73	158.0	1450	1.63	4.97	2.22	5.44	51.8	6.6	12	14.50	166.5	4.74
K292455		1.38	6.49	6.53	269	2020	1.35	7.56	2.21	10.65	37.8	7.7	10	12.75	60.9	7.34
K292456		6.10	0.03	0.07	1.2	40	<0.05	0.03	21.3	0.10	1.23	0.6	1	0.18	2.0	0.48
K292457		2.24	1.48	7.45	163.5	1160	1.57	1.76	2.32	4.60	53.0	5.8	11	17.10	21.0	4.17
K292458		5.18	0.57	7.35	52.0	2080	1.58	1.03	2.40	1.19	47.1	6.0	13	16.65	24.0	3.12
K292459		3.86	3.06	7.76	283	1030	1.64	2.80	2.14	4.87	50.9	7.9	9	19.85	59.3	4.72
K292460		3.84	2.02	7.73	160.5	920	1.66	2.11	2.03	3.10	50.3	6.1	11	19.85	83.0	4.15
K292461		1.42	1.88	7.99	187.5	930	1.72	2.02	2.28	5.22	49.6	4.8	12	20.3	98.5	4.09
K292462		2.90	4.44	6.00	295	740	1.29	3.62	2.21	43.3	44.3	57.9	10	11.05	68.6	7.20
K292463		3.64	2.06	7.50	101.0	980	1.74	3.00	2.05	2.43	57.4	8.0	11	12.05	39.4	4.21
K292464		1.44	0.52	7.33	30.3	1420	1.98	0.82	3.60	0.91	58.4	6.2	12	28.5	15.3	2.41
K292465		1.40	4.50	6.54	222	1130	1.47	8.73	2.20	21.3	42.7	20.9	11	12.70	78.1	6.25
K292466		0.32	4.56	6.96	732	1070	1.37	3.58	2.11	10.85	50.9	12.2	25	14.05	314	5.15
K292467		1.36	0.43	7.59	53.6	1780	2.04	1.17	2.54	1.70	38.4	6.3	11	19.45	43.0	2.70
K292468		2.00	2.43	7.92	93.9	2140	2.01	2.23	2.71	15.80	58.8	9.2	24	23.2	80.7	2.87
K292469		1.58	0.29	7.71	22.0	1680	1.75	0.37	1.91	1.39	58.7	5.5	28	25.7	9.6	2.15
K292470		1.40	0.32	8.07	26.1	1130	1.99	0.35	2.50	1.18	61.1	5.0	32	29.5	12.5	2.15
K292471		1.34	2.50	7.15	111.5	2170	1.70	3.33	3.06	5.08	48.4	7.4	11	21.6	51.7	3.46
K292472		1.18	0.30	7.87	18.9	1210	1.39	0.18	2.16	0.86	58.2	5.8	11	15.90	8.5	2.83
K292473		1.36	0.13	7.41	9.7	2810	1.17	0.27	1.79	0.27	45.8	7.4	12	11.30	9.1	2.72
K292474		2.34	1.29	6.74	110.5	1190	1.55	1.79	2.63	3.23	45.5	7.8	12	23.8	29.4	3.58
K292475		2.26	1.06	8.06	46.9	1190	1.75	1.82	1.93	0.48	53.7	11.1	11	17.95	79.6	2.79
K292476		1.46	3.23	7.82	114.0	760	1.65	2.21	2.03	3.50	61.6	5.8	10	17.10	80.1	3.19

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

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

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292441		19.45	0.20	2.6	0.048	2.59	27.5	181.5	0.96	554	0.93	0.13	9.6	13.3	850	46.5
K292442		18.45	0.21	2.9	0.026	2.16	28.6	255	0.96	607	0.53	0.22	9.2	15.3	790	13.1
K292443		14.60	0.11	1.0	0.798	2.85	26.6	18.3	0.76	1790	7.98	0.12	6.2	11.9	530	1290
K292444		19.25	0.15	3.8	0.027	2.06	30.4	288	0.76	665	0.85	0.28	9.4	18.0	700	14.0
K292445		19.25	0.17	4.1	0.108	1.90	34.8	296	0.52	374	3.75	0.29	9.3	25.9	640	128.5
K292446		12.55	0.09	1.8	1.660	1.72	16.4	75.7	0.43	602	3.12	0.06	4.8	11.9	370	2550
K292447		0.23	0.12	<0.1	0.008	0.02	0.6	1.9	12.75	197	0.06	0.01	0.2	1.5	200	4.3
K292448		18.55	0.10	1.2	0.261	3.56	23.5	5.9	0.38	137	2.59	0.05	6.8	2.5	570	128.5
K292449		16.35	0.13	1.2	0.233	3.24	30.5	47.7	0.79	1830	1.30	0.04	7.6	2.8	590	323
K292450		16.55	0.11	1.1	0.136	2.80	26.9	110.5	0.86	730	1.78	0.06	7.0	2.5	660	170.5
K292451		17.05	0.14	1.2	0.148	2.81	32.7	115.0	0.82	738	2.31	0.06	7.3	2.6	660	167.0
K292452		16.65	0.13	1.2	0.123	2.53	24.5	56.5	0.86	778	6.37	1.49	8.6	2.8	650	24.5
K292453		16.65	0.13	1.3	0.175	3.29	29.6	22.8	0.80	2390	2.53	1.10	8.0	2.8	660	129.5
K292454		16.35	0.13	1.1	0.404	3.63	28.2	12.2	0.96	2200	2.51	0.24	7.1	2.8	630	211
K292455		13.75	0.10	1.0	0.211	2.93	21.2	10.0	0.90	1480	17.80	0.04	6.2	2.6	490	1095
K292456		0.23	0.13	<0.1	0.007	0.03	0.6	1.1	13.15	210	0.10	0.01	0.2	1.5	230	3.5
K292457		15.40	0.13	1.3	0.498	3.50	29.5	8.8	0.90	2700	1.74	0.04	7.4	2.4	550	133.0
K292458		16.05	0.13	1.3	0.135	3.52	23.9	15.3	0.75	1320	7.78	0.87	8.2	2.6	590	43.7
K292459		15.85	0.12	1.2	0.359	3.36	28.2	11.8	0.81	2590	1.13	0.04	7.7	2.7	600	219
K292460		16.10	0.12	1.0	0.264	3.30	28.4	13.1	0.84	1780	1.03	0.04	7.6	2.3	600	117.0
K292461		16.85	0.11	1.2	0.305	3.38	26.6	11.7	0.89	1720	1.38	0.04	7.9	2.3	640	132.0
K292462		13.90	0.10	0.8	1.970	2.84	24.5	10.1	0.88	2130	3.38	0.03	5.1	4.7	440	849
K292463		16.25	0.13	1.2	0.399	3.65	32.9	7.7	0.84	1360	0.90	0.04	6.2	2.6	570	138.5
K292464		17.75	0.14	2.5	0.052	2.79	29.6	35.3	0.64	516	1.84	0.26	11.6	3.1	880	43.3
K292465		14.30	0.13	0.9	0.224	3.23	23.3	12.4	0.94	907	6.41	0.09	6.3	3.4	620	206
K292466		15.40	0.11	1.2	0.313	3.02	30.6	25.3	0.80	1910	14.45	0.15	6.2	14.8	550	497
K292467		17.10	0.12	1.1	0.113	3.24	20.0	70.9	0.66	555	3.52	0.98	7.9	2.8	650	31.2
K292468		18.50	0.15	2.7	0.142	3.05	32.8	29.7	0.86	598	5.99	0.35	8.7	17.1	700	350
K292469		18.55	0.15	3.5	0.032	3.03	32.7	19.5	0.76	537	0.86	0.06	9.2	18.1	700	35.5
K292470		19.85	0.16	4.3	0.040	3.25	33.5	14.9	1.00	611	1.02	0.06	9.8	19.7	690	36.6
K292471		15.00	0.13	1.1	0.131	2.43	27.5	27.5	1.17	893	16.05	0.04	7.4	5.6	590	191.5
K292472		15.60	0.17	1.1	0.050	2.53	32.0	49.3	0.77	710	3.34	0.09	8.3	2.7	610	23.2
K292473		15.00	0.13	1.1	0.071	2.55	24.6	45.0	0.50	587	4.24	0.19	8.1	2.7	610	15.8
K292474		14.25	0.13	1.0	0.081	2.85	25.5	11.8	0.99	1520	1.47	0.21	6.9	2.8	530	91.7
K292475		15.90	0.14	1.0	0.155	2.81	29.4	20.3	0.76	590	1.33	0.54	8.0	3.1	660	26.4
K292476		16.85	0.14	0.9	0.192	3.40	34.8	7.9	0.83	1860	1.56	0.04	7.4	4.6	640	127.0

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292441		79.2	0.002	0.28	6.68	5.9	1	1.7	261	0.76	<0.05	9.47	0.290	1.64	5.2	51
K292442		71.5	0.003	0.11	5.57	5.9	1	1.6	282	0.72	<0.05	9.74	0.272	1.30	4.3	53
K292443		162.5	0.002	4.57	63.2	9.1	2	7.6	100.0	0.52	1.27	12.10	0.202	2.49	5.1	61
K292444		74.8	0.003	0.10	5.61	6.1	1	1.6	209	0.77	<0.05	10.95	0.273	1.27	3.6	51
K292445		77.7	0.002	0.63	10.25	6.3	1	2.3	199.5	0.78	<0.05	12.65	0.262	1.23	8.2	51
K292446		79.6	0.002	>10.0	70.4	5.4	3	9.4	142.5	0.39	0.96	7.72	0.152	1.45	5.7	40
K292447		1.0	0.002	0.02	0.18	0.2	1	<0.2	49.1	<0.05	<0.05	0.10	<0.005	<0.02	0.6	2
K292448		148.5	0.002	6.09	32.2	10.1	1	22.4	15.0	0.59	0.75	13.35	0.217	2.67	2.8	68
K292449		197.0	0.002	2.41	47.8	10.5	1	8.2	89.5	0.68	0.27	14.75	0.235	2.79	4.4	69
K292450		136.0	0.002	2.46	6.44	11.2	1	4.2	173.0	0.62	2.51	13.10	0.235	2.07	6.1	73
K292451		157.0	0.003	2.37	6.68	11.8	1	4.2	178.0	0.63	2.16	15.60	0.240	2.16	6.8	74
K292452		96.5	0.023	0.32	6.51	11.0	<1	1.9	334	0.77	0.13	12.15	0.272	1.65	5.2	76
K292453		153.5	0.003	0.62	4.54	11.1	1	2.9	266	0.73	0.17	14.35	0.256	2.25	5.1	75
K292454		208	0.004	2.06	13.40	10.8	1	3.5	147.0	0.59	0.58	13.30	0.246	3.05	5.5	71
K292455		169.0	0.026	6.50	8.07	9.3	3	4.9	103.0	0.50	1.91	10.40	0.206	2.44	5.4	62
K292456		1.4	0.002	0.01	0.13	0.2	<1	<0.2	47.9	<0.05	<0.05	0.13	<0.005	<0.02	0.8	2
K292457		220	0.002	2.28	7.02	9.7	1	3.1	107.5	0.73	0.21	15.95	0.223	3.12	5.4	65
K292458		143.5	0.015	0.59	5.31	10.2	1	2.1	242	0.77	0.13	11.70	0.246	2.35	4.6	71
K292459		194.0	0.002	3.40	10.90	10.9	1	2.8	88.5	0.68	0.50	13.50	0.248	3.04	5.0	71
K292460		181.5	0.002	1.91	10.35	10.9	1	4.0	118.5	0.66	0.30	13.85	0.250	2.76	4.2	74
K292461		171.0	0.002	2.02	10.80	11.1	1	3.7	132.0	0.70	0.28	13.25	0.260	2.99	4.3	73
K292462		169.5	0.002	6.28	7.92	9.7	2	6.0	65.8	0.41	0.98	10.75	0.159	2.64	3.4	66
K292463		224	0.002	2.94	5.60	10.0	1	4.5	81.4	0.56	0.73	16.55	0.194	3.14	4.6	62
K292464		91.3	0.002	0.47	7.01	6.0	1	2.0	516	0.79	0.16	9.45	0.264	1.56	5.5	53
K292465		188.5	0.004	5.98	14.70	9.8	2	6.1	119.5	0.49	2.20	9.89	0.212	2.30	3.8	67
K292466		166.0	0.007	2.76	27.1	9.4	1	5.5	113.5	0.51	0.37	12.25	0.207	2.49	5.2	67
K292467		118.0	0.003	0.54	8.25	10.5	1	2.4	359	0.64	0.12	12.45	0.269	1.75	3.9	75
K292468		145.0	0.007	0.95	16.00	8.8	1	2.9	357	0.68	0.17	13.00	0.266	1.87	6.3	63
K292469		109.0	0.003	0.12	6.16	6.2	1	1.6	225	0.73	<0.05	11.40	0.273	1.84	5.8	52
K292470		114.0	0.002	0.08	7.03	6.5	<1	1.8	208	0.80	<0.05	12.25	0.281	1.88	6.5	52
K292471		117.5	0.006	1.00	12.50	9.5	1	2.2	277	0.58	0.18	12.50	0.232	1.94	4.6	64
K292472		99.4	<0.002	0.13	8.83	10.8	1	1.5	195.0	0.69	<0.05	15.55	0.254	1.37	5.1	65
K292473		87.1	0.003	0.20	8.83	10.5	1	1.4	146.5	0.72	<0.05	13.95	0.249	1.07	2.5	69
K292474		153.0	0.004	2.29	17.20	10.1	1	2.2	120.5	0.62	0.20	11.85	0.217	2.51	5.5	65
K292475		139.0	0.003	1.06	14.75	11.7	1	2.2	141.5	0.64	0.40	12.00	0.266	2.26	3.9	76
K292476		179.5	<0.002	2.45	26.6	11.2	1	2.7	56.2	0.63	0.28	13.05	0.249	3.59	3.5	75

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

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VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292441		1.3	11.7	100	74.0	0.063
K292442		1.3	12.2	88	89.2	0.005
K292443		5.9	11.7	2370	26.6	0.941
K292444		1.3	12.0	79	130.5	0.005
K292445		1.5	12.0	276	144.5	0.155
K292446		6.1	7.3	4050	53.0	7.07
K292447		0.1	0.7	22	0.7	<0.005
K292448		5.6	8.9	2580	28.4	0.621
K292449		3.0	14.8	1500	29.5	0.302
K292450		2.0	13.0	378	28.0	0.085
K292451		2.1	14.7	353	28.8	0.081
K292452		1.0	17.2	67	29.8	0.011
K292453		1.4	16.7	220	31.5	0.040
K292454		2.7	14.2	464	27.6	0.061
K292455		3.4	11.1	733	23.6	0.223
K292456		0.1	0.8	19	<0.5	<0.005
K292457		3.2	14.2	419	29.6	0.087
K292458		2.4	15.2	147	30.7	0.028
K292459		6.2	15.0	459	27.9	0.210
K292460		5.2	14.7	312	24.5	0.100
K292461		4.5	14.5	481	25.5	0.127
K292462		4.3	11.5	3100	20.2	0.287
K292463		2.4	14.8	253	25.5	0.068
K292464		1.6	12.2	131	75.7	0.060
K292465		2.8	12.1	1250	22.5	0.424
K292466		5.4	12.6	910	27.5	0.344
K292467		1.6	14.6	132	27.1	0.089
K292468		1.8	15.1	1170	90.9	0.344
K292469		1.5	12.0	170	118.0	0.010
K292470		1.5	13.4	170	150.5	0.014
K292471		3.6	15.6	406	30.3	0.360
K292472		11.6	22.2	95	27.0	0.006
K292473		8.6	16.3	64	25.4	0.010
K292474		3.5	14.5	269	22.8	0.458
K292475		2.6	15.8	69	23.6	0.027
K292476		3.2	13.3	239	24.9	0.070

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Project: Klaza

Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112559

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112560

Project: Klaza

P.O. No.: Batch 21

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

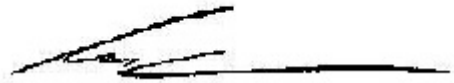
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16112560

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K290473		2.20	1.08	6.90	101.0	930	1.96	2.18	1.90	4.81	35.3	7.3	10	20.4	15.3	3.19
K290474		1.78	2.62	7.55	112.5	760	1.82	2.84	0.93	15.70	41.9	7.5	11	20.1	20.6	3.85
K290475		1.68	5.56	6.22	294	840	1.68	4.15	1.32	17.90	35.1	15.0	9	17.10	57.4	4.70
K290476		0.86	5.60	5.87	279	1820	1.67	5.78	1.59	14.00	33.7	16.0	9	16.65	50.7	4.63
K290477		1.68	1.31	6.46	274	700	2.04	0.49	1.50	0.60	31.3	13.0	9	18.75	54.5	4.12
K290478		2.12	0.08	6.63	11.7	6850	2.13	0.04	1.71	0.24	37.1	1.5	4	18.75	1.1	1.57
K290479		2.32	0.08	6.42	18.4	1230	2.20	0.04	1.94	0.10	31.9	1.5	5	19.05	1.0	1.27
K290480		1.98	0.05	6.00	10.9	420	2.07	0.02	2.15	0.07	27.5	1.3	4	20.7	0.9	1.13
K290481		2.24	0.10	5.75	12.5	720	2.10	0.05	2.17	0.20	27.5	1.7	6	18.80	1.2	1.34
K290482		0.34	4.42	6.67	698	850	1.32	3.86	2.06	10.40	51.8	12.8	24	13.25	306	4.93
K290483		2.48	0.46	6.89	27.7	630	2.96	0.22	2.20	0.45	36.7	2.5	5	26.4	6.3	1.57
K290484		2.40	53.9	4.70	1465	2320	1.67	19.75	1.98	52.0	26.1	19.7	7	20.2	128.0	10.15
K290485		2.42	8.73	7.73	997	600	1.62	3.01	0.50	10.25	43.3	8.5	9	28.5	28.1	4.17
K290486		2.54	2.26	7.21	98.9	980	2.34	0.68	2.83	2.64	46.2	8.2	10	25.7	11.7	3.04
K290487		6.14	0.11	0.06	2.3	40	0.07	0.07	20.7	0.16	1.19	0.6	1	0.21	1.6	0.47
K290488		2.46	0.19	6.95	14.5	540	2.18	0.25	2.66	0.10	49.4	6.7	9	27.7	6.1	2.79
K290489		2.00	0.11	6.88	10.7	770	1.80	0.18	3.18	0.09	46.4	6.5	10	24.1	5.0	2.61
K290490		3.02	0.18	6.68	10.2	710	1.79	0.16	3.60	0.11	45.3	6.7	9	24.6	4.6	2.60
K290491		1.76	0.05	6.93	6.8	1290	1.40	0.20	3.34	0.09	44.5	7.4	10	11.25	2.5	2.42
K290492		2.60	0.10	6.80	7.9	1770	1.57	0.27	3.08	0.14	44.8	9.6	12	12.70	5.3	2.97
K290493		<0.02	0.09	7.09	6.4	1680	1.61	0.25	3.08	0.14	44.9	9.3	10	12.65	4.8	2.98
K290494		3.24	0.06	7.22	6.2	710	1.49	0.12	3.09	0.11	47.7	9.0	10	12.55	3.7	3.46
K290495		2.76	0.08	7.18	13.8	560	1.61	0.11	3.38	0.09	45.3	12.4	8	14.85	4.9	4.55
K290496		3.00	0.08	7.45	10.8	800	1.46	0.14	2.34	0.11	47.1	7.9	10	15.80	9.8	3.12
K290497		2.18	0.39	6.41	14.7	1370	1.12	0.50	3.59	0.30	46.1	8.4	12	10.55	17.9	3.20
K290498		1.66	0.11	6.66	9.2	1530	1.49	0.26	2.55	0.10	39.6	8.1	13	9.23	21.2	2.57
K290499		6.10	0.01	0.06	<0.2	20	0.06	0.02	20.9	0.06	1.13	0.6	1	0.35	1.9	0.46
K290500		2.30	0.05	6.82	1.8	1910	1.45	0.15	2.87	0.07	41.9	8.7	12	6.51	6.6	2.96
K290501		3.72	0.07	6.99	1.6	2030	1.48	0.17	3.03	0.07	47.4	8.9	16	6.34	27.0	3.04
K290502		2.42	1.22	7.27	8.2	2010	1.67	0.12	2.23	10.65	42.8	5.4	8	21.8	8.5	2.88
K290503		2.14	0.39	7.18	7.8	2120	1.41	0.09	2.47	3.07	45.0	5.7	16	16.20	2.9	3.01
K290504		0.34	10.65	6.42	1515	1150	1.26	11.95	1.83	30.7	45.4	17.5	19	12.90	279	6.36
K290505		2.32	0.11	7.46	12.0	2400	1.49	0.10	2.16	0.60	36.0	5.8	10	17.75	4.2	2.70
K290506		2.30	23.0	6.52	280	1450	1.42	0.88	1.51	63.4	46.5	10.8	10	8.25	20.2	4.13
K290507		3.16	0.19	7.87	18.7	2270	1.65	0.10	1.67	5.67	37.8	5.7	9	15.10	3.4	3.39
K290508		2.06	3.44	6.89	60.4	2180	1.56	0.08	2.27	108.5	40.2	4.7	8	20.5	46.5	5.14

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

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VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112560

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K290473		15.25	0.11	1.5	0.085	3.28	17.2	26.4	0.65	4890	2.08	0.05	7.2	2.6	620	120.5
K290474		16.20	0.09	1.4	0.232	3.43	22.4	9.5	0.55	6170	1.78	0.03	6.9	2.7	590	167.5
K290475		14.15	0.09	1.5	0.178	2.67	16.9	20.1	0.52	2490	7.33	0.06	7.1	3.3	470	121.5
K290476		13.85	0.09	1.4	0.146	2.53	16.2	20.0	0.54	2540	8.19	0.05	6.9	3.1	440	95.5
K290477		13.70	0.08	1.5	0.067	2.65	15.4	84.7	0.57	2030	16.15	0.07	7.8	2.0	460	48.7
K290478		16.85	0.12	2.1	0.014	2.50	17.3	89.8	0.39	607	2.13	0.08	10.3	0.8	300	21.6
K290479		17.45	0.12	2.3	0.014	2.60	14.4	60.2	0.33	463	1.84	0.07	11.4	0.7	290	23.9
K290480		17.85	0.12	2.3	0.018	2.61	12.1	60.7	0.26	395	0.67	0.06	11.1	0.6	310	21.7
K290481		17.50	0.10	2.4	0.010	2.46	12.1	62.2	0.33	525	1.87	0.06	12.7	0.9	230	38.7
K290482		15.60	0.13	1.2	0.310	2.90	29.3	24.6	0.77	1860	14.75	0.15	6.1	15.2	510	472
K290483		19.35	0.11	2.9	0.031	2.81	16.4	94.6	0.47	938	8.61	0.09	11.9	1.4	390	34.8
K290484		11.05	0.09	1.6	0.347	1.80	12.9	31.6	0.46	4610	7.76	0.05	5.6	3.4	350	1450
K290485		16.45	0.09	1.4	0.215	3.58	22.2	13.0	0.37	4040	1.86	0.04	7.3	2.6	640	503
K290486		18.35	0.12	3.4	0.065	3.24	23.2	48.5	0.83	1520	3.77	0.43	9.8	4.4	770	139.0
K290487		0.20	0.14	0.1	0.006	0.03	0.6	0.9	12.75	209	0.10	<0.01	0.1	1.6	190	4.6
K290488		17.70	0.15	3.6	0.030	2.88	24.6	41.3	0.90	733	0.39	0.29	9.7	4.4	750	18.4
K290489		17.70	0.15	3.6	0.023	2.97	23.0	29.8	0.96	870	0.44	1.10	9.9	4.3	780	15.5
K290490		17.35	0.15	3.5	0.030	2.76	22.7	28.9	1.03	635	0.43	1.11	9.6	4.4	720	17.1
K290491		14.20	0.13	1.3	0.035	2.31	23.0	77.0	0.88	837	0.27	1.96	7.2	2.6	650	15.1
K290492		18.10	0.12	1.3	0.043	2.59	22.9	50.1	1.01	810	0.34	1.62	7.6	3.1	640	12.8
K290493		17.30	0.15	1.3	0.040	2.58	23.3	48.5	1.03	815	0.24	1.63	7.4	2.9	650	12.4
K290494		14.70	0.13	1.1	0.042	2.36	25.3	47.4	1.32	814	0.27	0.78	6.6	2.6	630	12.1
K290495		13.60	0.11	1.0	0.033	2.12	24.0	65.5	1.55	1060	0.19	0.55	6.3	3.1	550	16.9
K290496		15.20	0.14	1.2	0.040	2.53	25.7	52.0	1.11	728	0.29	0.38	7.0	2.7	640	12.8
K290497		13.90	0.13	1.1	0.048	2.66	25.5	18.1	1.21	1320	0.53	0.22	6.1	2.6	510	35.6
K290498		15.50	0.13	1.2	0.046	2.79	20.4	31.2	0.63	797	0.50	1.60	7.3	2.7	610	17.0
K290499		0.24	0.19	<0.1	0.005	0.03	0.5	1.2	12.75	203	0.06	0.01	0.2	1.5	170	1.1
K290500		15.70	0.19	1.3	0.036	2.84	21.6	11.2	0.85	709	0.50	1.76	7.2	2.7	600	16.0
K290501		15.45	0.19	1.1	0.036	2.85	24.5	12.0	0.87	692	0.78	1.57	7.5	3.3	660	16.5
K290502		16.15	0.13	1.4	0.042	2.96	21.8	11.8	0.50	628	1.13	1.48	7.8	2.2	590	569
K290503		15.50	0.12	1.4	0.042	3.01	22.8	9.8	0.53	864	1.57	1.55	7.3	2.5	580	165.5
K290504		14.85	0.12	1.1	0.780	2.80	23.8	17.8	0.75	1720	8.19	0.12	6.1	12.4	510	1250
K290505		15.45	0.06	1.2	0.041	3.15	20.1	15.5	0.43	595	1.10	1.05	7.9	2.1	590	20.1
K290506		13.80	<0.05	1.0	0.204	3.30	28.8	7.9	0.35	3090	3.23	0.05	6.4	2.6	490	9790
K290507		15.45	0.09	1.2	0.041	3.49	21.8	18.5	0.51	702	1.06	0.75	7.8	2.5	600	52.5
K290508		14.20	<0.05	1.0	0.353	3.25	24.2	11.2	0.65	7530	1.41	0.04	6.7	2.1	510	1090

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CERTIFICATE OF ANALYSIS VA16112560

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K290473		107.0	<0.002	0.50	10.90	10.9	1	3.2	291	0.58	<0.05	10.20	0.278	2.32	4.4	84
K290474		188.0	<0.002	1.49	12.55	11.9	1	4.4	149.5	0.61	<0.05	12.80	0.263	2.60	6.2	80
K290475		131.0	<0.002	2.91	23.2	8.9	1	13.9	199.5	0.54	<0.05	9.62	0.213	2.52	11.5	62
K290476		127.0	<0.002	3.04	21.9	8.6	1	13.5	223	0.53	<0.05	9.21	0.202	2.43	10.0	58
K290477		93.9	<0.002	0.58	14.85	6.1	<1	18.2	253	0.63	<0.05	8.31	0.190	1.99	4.7	47
K290478		81.3	<0.002	0.20	4.03	2.2	1	1.3	382	0.88	<0.05	6.85	0.116	1.03	11.5	13
K290479		80.3	<0.002	0.10	3.69	2.1	1	1.4	365	0.91	<0.05	6.06	0.124	1.09	19.1	13
K290480		85.0	<0.002	0.03	3.70	2.0	<1	1.6	309	0.99	<0.05	5.48	0.124	1.16	6.1	13
K290481		75.6	<0.002	0.06	3.25	2.1	1	1.4	398	0.96	<0.05	5.60	0.123	1.01	17.1	13
K290482		160.0	0.002	2.66	27.9	9.8	1	6.1	108.5	0.49	0.27	12.50	0.201	2.57	5.5	65
K290483		91.8	<0.002	0.09	7.22	3.4	1	3.9	491	1.00	<0.05	6.98	0.172	1.42	43.3	29
K290484		90.2	<0.002	9.42	44.1	6.5	<1	6.5	340	0.38	0.17	6.47	0.168	1.35	10.7	50
K290485		193.5	<0.002	3.14	17.25	12.1	1	4.0	96.5	0.56	<0.05	12.00	0.283	2.56	6.0	87
K290486		111.0	<0.002	0.58	14.20	8.7	1	2.9	502	0.73	<0.05	9.27	0.297	1.86	8.2	75
K290487		1.2	<0.002	0.02	0.19	0.2	1	<0.2	47.1	<0.05	<0.05	0.08	<0.005	<0.02	0.6	2
K290488		107.5	<0.002	0.03	10.05	7.8	1	1.6	533	0.73	<0.05	8.98	0.292	1.39	5.4	70
K290489		107.5	<0.002	0.02	7.68	7.6	1	1.6	551	0.73	<0.05	7.97	0.305	1.58	4.3	71
K290490		100.0	<0.002	0.02	6.24	7.2	1	1.3	582	0.70	<0.05	8.30	0.287	1.42	4.2	69
K290491		82.4	<0.002	0.03	1.68	11.6	1	1.5	321	0.63	<0.05	10.30	0.284	1.13	3.5	77
K290492		95.9	<0.002	0.04	2.78	11.8	<1	1.6	270	0.59	<0.05	10.40	0.288	1.43	5.6	97
K290493		101.0	<0.002	0.04	2.67	12.1	1	1.6	267	0.62	<0.05	9.90	0.290	1.39	5.3	97
K290494		83.9	<0.002	0.02	5.97	11.1	1	1.5	235	0.54	<0.05	11.35	0.276	1.15	2.1	80
K290495		78.3	<0.002	0.07	5.33	10.9	1	1.5	257	0.52	<0.05	11.60	0.257	1.25	3.2	75
K290496		110.5	<0.002	0.06	6.95	12.1	1	2.0	221	0.58	<0.05	13.30	0.274	1.50	3.6	82
K290497		137.0	<0.002	0.17	9.03	10.5	1	1.2	155.0	0.50	<0.05	11.50	0.232	2.13	4.1	70
K290498		118.0	<0.002	0.09	4.73	11.3	1	1.6	258	0.61	<0.05	11.45	0.271	1.55	3.7	80
K290499		1.8	<0.002	<0.01	0.10	0.2	1	<0.2	47.1	<0.05	<0.05	0.17	<0.005	<0.02	0.5	2
K290500		112.0	<0.002	0.03	1.30	11.5	1	1.6	317	0.63	<0.05	11.05	0.272	1.27	4.0	81
K290501		119.5	<0.002	0.07	1.18	12.3	1	1.6	309	0.58	<0.05	11.10	0.285	1.25	3.3	83
K290502		115.0	<0.002	0.03	4.59	10.6	1	1.9	237	0.62	<0.05	11.70	0.257	1.70	2.3	71
K290503		111.0	<0.002	0.03	3.83	10.3	1	1.8	261	0.60	<0.05	11.65	0.253	1.63	2.1	70
K290504		155.0	<0.002	4.48	65.2	9.5	1	8.1	94.0	0.51	1.01	11.25	0.201	2.60	5.5	60
K290505		113.5	<0.002	0.04	5.55	9.2	1	1.6	201	0.63	<0.05	10.75	0.256	1.65	2.3	72
K290506		189.5	<0.002	1.37	34.2	8.3	1	3.1	38.9	0.52	0.07	10.65	0.199	2.71	3.4	56
K290507		131.0	<0.002	0.07	5.51	9.7	1	1.6	152.0	0.63	<0.05	11.60	0.259	1.93	2.6	71
K290508		156.0	<0.002	0.72	14.10	8.8	1	2.5	57.1	0.54	<0.05	11.25	0.220	3.11	3.5	64

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CERTIFICATE OF ANALYSIS VA16112560

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K290473		3.2	11.9	513	35.0	0.023
K290474		6.0	10.7	1470	31.7	0.077
K290475		6.7	9.4	1540	38.7	0.347
K290476		6.4	9.5	1150	38.6	0.339
K290477		5.6	7.9	203	35.8	0.136
K290478		2.2	7.8	70	50.4	<0.005
K290479		2.2	8.3	61	57.0	<0.005
K290480		1.3	7.0	52	47.5	<0.005
K290481		3.8	7.2	64	60.1	<0.005
K290482		5.7	11.9	844	30.3	0.364
K290483		3.3	10.4	100	81.1	0.007
K290484		4.9	8.9	4220	51.1	2.46
K290485		7.0	8.7	977	37.2	0.381
K290486		2.8	12.5	268	114.0	0.605
K290487		0.1	0.7	26	0.5	0.006
K290488		1.5	12.6	59	122.5	<0.005
K290489		1.3	12.4	57	124.0	<0.005
K290490		1.8	12.3	61	118.5	0.006
K290491		1.4	12.3	48	29.4	<0.005
K290492		1.6	12.5	59	31.8	<0.005
K290493		1.6	13.5	58	30.4	<0.005
K290494		1.8	11.2	71	25.6	<0.005
K290495		2.1	12.2	94	22.4	<0.005
K290496		2.5	13.2	67	25.8	<0.005
K290497		3.0	11.7	70	24.7	<0.005
K290498		2.3	10.8	62	28.6	<0.005
K290499		0.1	0.7	17	<0.5	<0.005
K290500		1.4	11.8	53	29.5	<0.005
K290501		1.4	13.1	52	26.2	<0.005
K290502		2.2	13.7	487	34.4	<0.005
K290503		2.4	14.8	320	32.9	<0.005
K290504		6.1	10.8	2290	29.9	0.860
K290505		2.1	11.7	277	33.8	<0.005
K290506		5.5	10.5	3830	27.6	0.181
K290507		2.5	12.5	867	33.4	<0.005
K290508		3.7	12.8	7070	28.2	0.071

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

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 28-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112560

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112561

Project: Klaza

P.O. No.: Batch 22

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112561

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K292477		1.54	1.985	11.30	6.19	386	490	1.22	2.56	2.39	252	60.7	9.5	14	12.25	88.4
K292478		1.28		1.98	6.94	63.6	1120	1.70	3.69	2.20	0.74	63.8	16.7	15	19.25	76.9
K292479		1.22		0.93	7.25	74.5	440	1.46	5.41	1.64	0.40	52.4	36.8	18	12.25	62.3
K292480		7.50		0.77	5.68	29.2	1080	1.30	1.84	2.61	2.00	43.4	13.8	20	7.87	26.7
K292481		<0.02		0.72	5.65	27.1	1080	1.29	1.80	2.52	1.25	38.9	13.2	17	7.79	28.3
K292482		6.34		0.19	6.82	19.4	1880	1.66	0.40	2.74	0.17	43.2	7.3	16	14.50	12.4
K292483		2.52		0.12	6.28	13.6	1980	1.37	0.27	4.21	0.18	44.0	7.7	17	14.05	7.7
K292484		1.36		0.19	7.13	32.3	2140	1.69	0.18	2.65	0.14	39.1	6.8	17	23.2	6.8
K292485		1.46		1.85	7.16	54.4	1630	1.60	1.81	2.96	0.23	47.7	7.8	16	21.3	11.6
K292486		2.14		0.49	6.92	50.1	1900	1.62	0.94	2.16	0.24	38.8	7.6	17	16.60	32.6
K292487		3.20		0.31	6.24	26.6	1940	1.51	0.38	2.23	0.41	37.5	5.8	12	24.8	13.5
K292488		0.34		11.80	6.31	1570	220	1.57	14.05	1.83	32.8	44.7	18.4	19	14.65	284
K292489		1.18		0.51	6.41	27.3	2620	1.38	0.95	4.93	0.51	42.6	7.7	13	16.00	7.2
K292490		2.14		0.86	7.05	62.0	980	1.88	1.35	2.18	1.08	45.4	7.4	16	25.1	67.5
K292491		2.54		3.50	6.52	298	240	1.34	3.59	0.78	9.39	51.1	5.4	17	10.70	109.5
K292492		1.38		5.07	7.06	616	410	1.64	3.78	0.69	16.80	56.6	5.5	19	12.40	84.8
K292493		1.50		4.48	6.84	235	480	1.48	2.97	0.51	5.23	55.3	8.7	16	8.25	144.5
K292494		0.74		3.33	6.94	203	280	1.55	3.71	0.43	3.70	55.8	5.7	15	7.45	54.6
K292495		1.26		27.1	3.78	828	180	0.86	22.2	2.17	122.0	54.4	18.4	10	4.67	191.0
K292496		6.02		0.05	0.06	1.4	40	0.06	0.06	19.80	0.24	1.19	0.6	1	0.15	1.8
K292497		1.36		18.35	7.16	536	340	1.53	7.77	0.71	6.13	59.1	7.7	18	13.50	408
K292498		1.30		0.93	7.02	40.7	1520	1.68	1.84	2.16	0.82	43.8	21.0	17	18.70	33.5
K292499		1.18		0.53	7.01	23.2	1480	1.66	1.10	2.24	2.73	46.2	5.3	16	16.25	27.4
K292500		0.34		4.50	6.96	704	560	1.50	3.64	2.18	10.85	50.8	12.4	25	13.50	319
K292501		7.24		0.41	7.35	28.8	2410	1.74	0.60	2.56	0.46	41.5	6.5	18	21.4	12.6
K292502		3.36		0.49	7.38	39.6	1380	1.64	0.54	2.89	0.82	43.8	8.0	18	23.2	10.0
K292503		1.26		1.86	7.41	178.5	890	1.74	2.17	2.35	7.71	49.3	7.6	16	19.00	17.8
K292504		1.56		11.85	6.66	485	330	1.59	4.39	1.39	92.6	47.2	6.9	18	11.35	50.1
K292505		6.06		0.03	0.08	0.8	30	0.07	0.05	20.9	0.22	1.21	0.7	1	0.22	3.1
K292506		4.02		1.44	7.26	64.3	880	1.51	2.26	2.28	1.18	40.3	5.3	14	18.90	38.3
K292507		1.40		5.54	7.67	256	190	1.48	13.70	1.16	5.17	42.6	8.0	20	14.55	89.3
K292508		1.32		25.2	4.89	888	370	0.83	34.8	1.68	86.9	19.45	7.0	13	4.05	314
K292509		1.38		13.05	6.99	475	170	1.28	16.05	0.75	23.7	56.2	6.7	19	7.18	295
K292510		1.50		3.74	7.25	197.0	580	1.48	4.85	2.14	4.36	49.0	8.9	19	15.05	79.2
K292511		1.40		0.77	7.71	63.7	1190	1.70	3.25	2.49	0.57	47.2	7.4	22	21.2	39.0
K292512		1.44		0.97	7.84	96.7	1390	1.54	3.63	2.19	0.33	49.1	7.5	17	18.60	41.5

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112561

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K292477		6.17	14.50	0.13	0.8	1.735	2.83	34.6	8.3	0.99	2510	2.33	0.04	6.6	2.8	490
K292478		3.33	16.00	0.12	1.1	0.126	2.53	34.0	17.0	0.72	766	313	0.05	8.4	3.0	620
K292479		4.10	16.55	0.11	1.1	0.155	2.25	27.3	23.6	0.52	388	158.5	0.39	8.0	3.5	600
K292480		2.68	12.45	0.11	0.8	0.114	1.59	22.2	13.9	0.62	711	3.78	1.24	5.9	3.0	490
K292481		2.62	12.45	0.12	0.8	0.107	1.59	19.9	14.0	0.61	646	4.58	1.31	6.1	2.9	480
K292482		2.80	15.20	0.11	1.1	0.069	2.31	21.9	31.2	0.78	697	2.86	1.39	8.0	2.8	600
K292483		2.79	14.50	0.11	1.0	0.048	2.37	23.2	24.6	0.89	1160	1.90	1.37	7.2	2.7	540
K292484		2.51	15.95	0.14	1.1	0.046	2.67	19.6	30.9	0.72	528	2.65	0.55	8.1	2.7	590
K292485		2.98	15.25	0.13	1.1	0.049	2.66	24.1	16.1	0.96	775	2.03	0.07	7.7	3.1	600
K292486		2.76	15.95	0.12	1.1	0.120	2.47	18.9	49.0	0.70	660	5.57	0.08	7.7	2.8	570
K292487		2.27	14.25	0.13	1.0	0.059	2.33	18.9	31.7	0.69	603	1.35	0.05	7.3	2.4	550
K292488		6.33	14.75	0.13	1.0	0.835	2.76	23.5	20.7	0.74	1720	8.72	0.12	6.5	11.4	500
K292489		2.44	14.55	0.11	1.0	0.227	2.10	22.5	23.8	0.79	848	1.93	0.05	7.4	2.9	520
K292490		2.74	15.65	0.13	1.0	0.228	3.00	23.1	11.3	0.76	1300	1.74	0.05	7.9	2.4	590
K292491		5.32	14.40	0.12	0.8	0.321	3.16	27.9	10.1	0.55	1090	3.46	0.03	6.2	2.9	500
K292492		5.71	15.70	0.11	1.1	0.448	3.35	30.7	7.3	0.53	2380	14.80	0.03	7.0	2.3	490
K292493		4.71	14.50	0.14	0.9	0.322	3.41	30.1	7.8	0.51	1200	47.6	0.03	5.8	3.2	530
K292494		5.18	15.00	0.12	0.9	0.271	3.47	30.5	8.0	0.49	961	46.6	0.04	5.5	2.8	540
K292495		13.35	11.10	0.14	0.5	1.000	1.73	31.1	8.9	0.90	2550	17.35	0.03	3.1	2.8	340
K292496		0.45	0.18	0.06	<0.1	0.007	0.03	0.6	1.0	12.20	189	0.17	<0.01	0.1	1.5	140
K292497		6.36	17.50	0.13	1.1	0.614	3.44	31.2	6.5	0.59	1470	21.6	0.03	7.7	3.0	660
K292498		2.98	15.70	0.12	1.0	0.096	2.83	22.0	41.4	0.77	1020	9.88	0.05	7.8	2.8	570
K292499		3.02	15.05	0.12	1.0	0.128	3.00	24.0	35.8	0.86	1080	28.7	0.07	7.4	4.6	560
K292500		4.95	15.25	0.11	1.1	0.295	3.08	28.2	27.9	0.81	1910	14.00	0.15	6.1	15.9	510
K292501		3.03	15.15	0.10	1.0	0.112	2.71	21.3	40.0	0.91	912	58.9	0.05	7.3	2.7	560
K292502		2.80	15.15	0.10	1.0	0.085	2.99	22.4	14.8	1.08	1050	5.58	0.04	7.4	3.0	570
K292503		3.63	15.25	0.10	1.0	0.133	3.21	25.8	10.7	0.89	1760	3.67	0.04	7.3	3.2	560
K292504		4.97	14.80	0.10	0.9	1.470	3.07	26.2	10.6	0.67	780	35.1	0.02	6.1	3.2	480
K292505		0.46	0.26	0.07	<0.1	0.007	0.03	0.6	1.0	13.25	205	0.16	<0.01	0.1	1.5	160
K292506		3.05	15.05	0.12	1.0	0.156	2.63	19.8	37.2	0.78	1590	22.5	0.05	7.7	2.3	590
K292507		6.28	16.50	0.09	1.0	0.446	3.21	21.9	17.9	0.59	1010	61.3	0.05	6.5	3.1	540
K292508		13.15	12.80	0.08	0.6	2.90	2.31	10.1	7.9	0.88	741	6.12	0.03	3.3	2.3	370
K292509		5.80	16.95	0.09	1.0	0.479	3.37	30.7	11.3	0.52	871	19.40	0.04	6.0	3.0	490
K292510		3.93	15.75	0.10	1.0	0.332	3.38	26.2	11.3	0.81	2530	35.5	0.03	7.4	3.1	550
K292511		3.02	16.25	0.10	1.1	0.276	3.10	24.2	22.4	0.91	1210	3.73	0.04	7.6	2.9	560
K292512		3.16	16.00	0.10	1.1	0.369	3.44	26.1	13.1	0.83	1180	14.60	0.04	7.4	3.1	580

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112561

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K292477		3610	175.5	0.003	6.42	21.9	9.6	1	7.1	42.7	0.51	0.53	12.40	0.207	2.74	3.0
K292478		32.0	107.0	0.064	1.88	22.8	10.7	2	2.7	99.9	0.64	1.82	16.25	0.260	1.83	4.1
K292479		26.8	126.5	0.024	2.83	14.45	11.5	2	3.2	94.6	0.61	3.04	13.15	0.249	1.69	4.4
K292480		51.1	91.3	0.003	1.12	6.39	8.5	1	3.2	193.0	0.44	0.66	10.35	0.190	1.26	4.9
K292481		39.0	88.4	0.003	1.06	6.44	8.6	1	3.2	199.5	0.44	0.60	9.68	0.194	1.29	4.8
K292482		16.6	84.5	0.002	0.25	3.82	10.3	1	2.1	315	0.60	<0.05	11.45	0.261	1.19	4.3
K292483		17.0	82.0	<0.002	0.23	2.95	8.8	1	1.5	314	0.54	<0.05	11.05	0.234	1.07	3.4
K292484		14.8	93.4	<0.002	0.17	5.59	10.2	1	1.6	203	0.63	<0.05	12.70	0.256	1.39	4.1
K292485		12.6	100.0	<0.002	0.89	6.46	10.4	1	2.0	121.5	0.60	1.08	13.05	0.255	1.68	4.6
K292486		19.4	103.5	0.002	0.92	12.30	10.1	1	3.0	114.5	0.58	0.16	11.55	0.240	1.79	2.6
K292487		19.7	84.2	<0.002	0.24	15.30	9.4	1	1.9	118.5	0.56	<0.05	10.40	0.238	1.52	2.9
K292488		1275	168.5	<0.002	4.51	67.8	9.3	2	7.8	92.6	0.49	1.01	11.55	0.200	2.41	5.4
K292489		19.4	90.7	<0.002	0.78	6.34	10.5	1	3.3	138.5	0.58	0.12	10.90	0.244	1.60	12.7
K292490		54.9	145.5	<0.002	0.78	10.30	10.6	1	2.1	75.4	0.62	0.14	12.45	0.254	2.55	4.3
K292491		332	221	<0.002	5.04	25.1	9.3	1	6.1	31.2	0.50	0.45	11.25	0.207	2.92	3.2
K292492		442	254	0.003	4.86	20.2	9.6	1	6.2	16.9	0.64	0.77	16.10	0.206	3.19	3.5
K292493		228	238	0.006	3.96	33.9	9.2	1	5.7	16.2	0.48	0.67	13.20	0.187	3.04	3.7
K292494		236	236	0.008	4.63	15.10	9.6	1	6.2	13.8	0.46	1.03	12.70	0.186	2.95	2.9
K292495		4850	101.5	0.002	>10.0	26.3	5.2	3	7.9	35.0	0.25	2.21	7.07	0.099	1.42	3.2
K292496		8.3	1.6	<0.002	0.02	0.16	0.1	<1	<0.2	44.6	<0.05	<0.05	0.10	<0.005	<0.02	0.6
K292497		528	239	0.005	5.46	78.8	11.0	2	7.7	19.3	0.63	1.03	13.90	0.229	3.17	6.7
K292498		59.9	122.0	0.002	0.97	13.20	9.8	1	1.6	130.5	0.62	0.24	12.35	0.241	2.11	6.7
K292499		147.0	109.5	0.006	0.33	14.40	9.3	1	1.7	133.0	0.61	0.12	11.85	0.234	2.22	4.5
K292500		486	168.0	0.005	2.71	27.6	9.1	1	5.4	109.5	0.49	0.32	11.35	0.204	2.47	5.1
K292501		27.0	94.2	0.007	0.30	9.58	9.2	<1	1.6	137.5	0.60	0.10	11.20	0.241	2.00	4.4
K292502		48.3	114.0	0.002	0.35	7.78	9.3	1	1.8	114.5	0.59	0.05	11.70	0.237	2.24	5.4
K292503		361	143.0	0.002	2.04	10.45	9.7	1	2.9	82.4	0.61	0.07	13.05	0.241	2.89	10.5
K292504		2650	190.0	0.005	5.15	22.4	8.5	1	7.5	25.8	0.52	0.21	12.15	0.198	3.04	5.2
K292505		5.9	1.6	<0.002	0.01	0.11	0.2	<1	<0.2	47.0	<0.05	<0.05	0.12	<0.005	0.03	0.7
K292506		78.7	92.6	0.004	0.52	15.15	9.1	1	1.8	102.5	0.68	0.10	11.40	0.252	2.09	5.8
K292507		204	156.5	0.006	5.36	11.10	10.1	1	7.9	57.4	0.51	0.56	11.60	0.213	2.34	3.2
K292508		2030	117.0	0.002	>10.0	32.9	6.2	2	12.8	22.7	0.27	1.33	7.91	0.114	1.71	1.6
K292509		819	180.0	0.002	6.19	57.3	9.0	1	11.1	17.7	0.51	0.46	12.45	0.195	2.77	4.7
K292510		146.5	190.5	0.002	3.26	24.7	9.9	1	3.9	62.0	0.61	0.56	13.50	0.227	3.50	3.9
K292511		31.9	134.5	<0.002	1.00	8.65	9.8	1	1.9	134.5	0.63	0.28	12.70	0.247	2.65	4.6
K292512		26.2	177.0	0.002	1.77	8.68	10.1	1	2.2	136.5	0.62	0.38	13.60	0.241	3.12	4.2

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112561

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K292477		58	4.9	11.1	>10000	23.0	0.274
K292478		71	2.4	15.8	79	31.4	0.030
K292479		75	2.1	18.7	65	30.7	0.028
K292480		56	1.4	15.2	150	22.8	0.066
K292481		56	1.3	14.0	98	23.6	0.045
K292482		73	3.2	15.9	46	31.9	0.019
K292483		63	1.9	17.2	43	29.5	0.006
K292484		70	4.1	14.9	40	32.6	0.014
K292485		70	5.5	16.3	47	30.8	0.048
K292486		67	3.6	13.2	49	31.4	0.045
K292487		64	3.6	13.5	57	27.4	0.019
K292488		61	5.6	11.4	2290	31.3	0.907
K292489		67	2.5	19.3	72	26.9	0.020
K292490		70	2.9	13.8	116	26.2	0.032
K292491		62	6.9	10.2	700	22.8	0.294
K292492		61	6.4	10.1	1210	28.4	0.751
K292493		59	6.3	7.3	349	24.0	0.119
K292494		63	6.7	7.5	240	24.9	0.106
K292495		38	6.8	5.9	8260	15.2	1.815
K292496		1	0.1	0.7	28	<0.5	<0.005
K292497		69	7.1	11.9	462	30.7	0.439
K292498		68	2.6	13.5	89	29.6	0.024
K292499		66	4.6	12.9	272	26.3	0.015
K292500		64	5.4	11.8	881	29.7	0.331
K292501		66	3.3	13.2	77	26.0	0.022
K292502		65	4.6	13.7	111	26.4	0.017
K292503		65	5.5	12.4	551	26.9	0.074
K292504		56	7.7	7.9	6920	21.8	0.732
K292505		2	0.1	0.7	23	<0.5	<0.005
K292506		67	4.7	12.8	139	25.3	0.038
K292507		68	5.0	10.4	429	25.5	0.307
K292508		43	6.4	5.4	5920	16.8	1.295
K292509		62	9.9	7.8	1680	25.3	0.378
K292510		66	5.2	12.3	333	27.8	0.993
K292511		69	2.9	13.9	76	27.8	0.044
K292512		68	4.7	14.1	52	27.4	0.161

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112561

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112562

Project: Klaza

P.O. No.: Batch 23

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

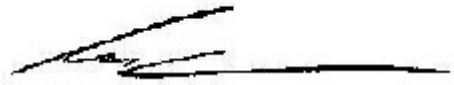
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112562

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K292513		1.50		6.25	7.17	293	600	1.77	8.35	1.07	3.50	53.5	6.5	15	14.75	191.0
K292514		1.30		0.41	7.23	31.3	3050	1.35	1.75	2.19	0.17	42.8	8.8	11	13.50	72.2
K292515		1.20		0.26	6.93	16.4	2140	1.40	1.02	2.79	0.12	40.3	7.2	11	13.45	46.6
K292516		1.86		0.62	7.57	14.0	2350	1.68	1.13	2.75	0.15	49.6	6.4	11	12.75	130.0
K292517		2.10		0.27	7.23	23.0	2350	1.53	5.63	2.44	0.18	45.4	5.0	11	15.90	99.0
K292518		0.32		4.39	6.65	658	480	1.52	3.73	2.08	10.75	50.5	12.1	25	12.95	318
K292519		3.18		1.00	7.42	87.0	1270	1.51	8.00	1.68	2.34	45.3	5.6	10	11.60	105.5
K292520		1.64		1.52	7.09	57.5	1470	1.65	3.69	2.56	0.80	51.3	6.1	14	19.40	32.7
K292521		5.84		1.75	7.25	68.5	1490	1.58	3.53	2.91	5.03	52.9	5.8	10	17.60	42.0
K292522		<0.02		1.65	7.10	68.1	1490	1.61	3.11	2.84	5.33	48.6	5.8	9	17.25	42.0
K292523		2.64		1.78	6.50	79.8	410	1.47	2.45	1.76	2.95	47.1	7.7	10	13.00	52.0
K292524		2.78		0.34	7.26	33.2	1410	1.57	1.81	2.15	0.20	54.9	5.5	9	14.55	57.5
K292525		2.26		0.93	6.85	38.3	1490	1.58	2.73	3.31	0.43	51.5	6.5	11	21.0	31.7
K292526		1.34		0.37	7.24	21.2	1780	1.66	1.03	2.63	0.21	43.7	5.3	10	20.4	20.0
K292527		2.50		0.49	7.17	35.7	1420	1.24	1.42	2.07	0.43	37.0	7.1	10	21.3	43.5
K292528		7.74		0.87	7.58	34.0	2330	1.51	2.11	1.54	0.78	38.5	7.0	10	16.55	49.4
K292529		3.22		1.38	7.40	30.7	1820	1.47	4.74	1.57	1.36	32.8	6.1	12	15.80	60.5
K292530		5.56		1.76	6.86	98.1	1880	1.32	2.21	1.60	3.05	32.6	16.1	13	10.65	228
K292531		2.80		0.86	7.47	26.3	1260	1.64	1.39	2.60	2.48	59.8	6.7	11	16.05	28.9
K292532		1.36		4.23	7.55	89.5	1000	1.75	3.35	1.93	3.21	54.4	8.3	10	16.60	120.0
K292533		1.36		8.18	6.21	717	350	1.72	3.20	1.10	22.3	44.9	8.8	7	16.15	155.0
K292534		6.06		0.02	0.07	0.8	30	0.06	0.03	20.6	0.10	1.21	0.7	1	0.20	2.5
K292535		1.52		1.22	6.87	77.3	1130	1.90	0.36	3.82	2.47	56.2	7.2	17	16.15	15.8
K292536		1.42		0.45	7.01	36.1	1510	1.94	0.15	2.79	0.22	55.6	7.0	18	15.85	8.0
K292537		5.30		0.37	6.98	48.4	1970	1.94	0.14	3.73	0.27	57.5	6.4	16	16.65	9.3
K292538		0.32		11.85	6.51	1565	150	1.56	12.20	1.88	31.9	44.8	17.6	19	12.70	284
K292539		4.66		0.23	6.98	29.2	1340	1.91	0.12	3.38	0.21	52.2	6.1	17	13.55	8.5
K292540		2.06		2.44	6.70	209	280	1.86	1.88	1.78	12.40	46.9	9.4	11	12.60	73.0
K292541		1.22		2.16	7.04	214	1430	2.58	0.91	3.07	3.19	57.8	6.7	20	22.2	44.8
K292542		6.14		0.01	0.08	<0.2	40	0.06	0.03	20.6	0.06	1.21	0.5	1	0.18	1.2
K292543		1.98	4.84	48.6	4.03	1415	80	1.09	19.90	2.61	758	19.55	5.1	6	11.45	989
K292544		1.52		4.88	6.92	43.8	2260	1.68	0.46	1.89	9.95	47.2	4.7	5	22.3	16.9
K292545		1.34		0.29	7.10	25.8	1140	1.82	0.07	2.88	0.45	48.6	3.7	5	23.2	1.6
K292546		1.20		1.13	6.62	41.0	4730	1.74	1.77	3.03	3.36	47.6	4.3	5	16.20	8.2
K292547		1.28		1.72	6.38	160.0	1750	2.04	0.73	2.73	7.51	51.6	5.0	8	26.1	31.7
K292548		0.90		7.80	7.19	196.5	910	1.67	10.90	1.71	9.00	65.8	8.9	10	17.25	264

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

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K292513		4.88	15.20	0.11	1.2	0.301	3.31	29.6	11.2	0.69	1020	9.25	0.04	7.1	3.0	540
K292514		3.34	15.95	0.12	1.1	0.213	2.17	21.6	71.3	0.68	758	13.50	0.06	8.0	2.7	690
K292515		2.94	15.60	0.12	1.1	0.184	2.87	20.5	18.6	0.58	515	9.67	1.13	7.9	2.8	610
K292516		3.19	16.45	0.15	1.1	0.185	2.96	25.3	17.3	0.82	609	12.50	1.91	8.3	3.1	640
K292517		2.95	16.65	0.13	1.1	0.247	3.21	22.2	22.9	0.69	407	1.71	0.32	7.9	2.4	620
K292518		5.04	15.00	0.13	1.1	0.295	2.99	29.0	25.2	0.79	1860	15.90	0.15	6.1	14.6	520
K292519		3.64	16.40	0.11	1.2	0.357	3.50	23.2	17.9	0.56	511	2.67	0.16	7.6	2.5	600
K292520		3.07	15.65	0.15	1.2	0.225	2.92	26.6	34.8	0.90	1040	3.11	0.05	7.7	2.8	570
K292521		3.20	15.35	0.14	1.0	0.164	2.48	29.0	46.5	1.00	1300	1.49	0.05	7.8	2.7	590
K292522		3.17	15.35	0.12	1.0	0.178	2.41	25.9	46.1	0.97	1280	1.79	0.05	7.9	2.7	600
K292523		4.51	13.50	0.12	1.1	0.285	3.07	25.8	17.9	0.86	1660	2.51	0.04	6.0	3.6	490
K292524		2.86	15.10	0.12	1.2	0.172	2.05	30.0	42.7	0.81	683	2.98	0.04	7.4	2.3	580
K292525		3.46	14.45	0.13	1.0	0.192	2.89	29.0	12.8	1.20	828	1.66	0.05	7.0	2.9	540
K292526		3.07	15.65	0.13	1.0	0.094	2.98	22.5	20.4	0.84	625	2.92	0.97	7.8	2.8	610
K292527		3.29	16.75	0.11	1.2	0.097	1.89	16.9	35.9	0.54	711	2.07	0.04	8.6	2.7	640
K292528		1.79	15.85	0.10	1.1	0.138	3.26	18.8	19.4	0.65	450	3.52	0.05	7.5	3.2	660
K292529		1.89	16.20	0.12	1.1	0.156	3.28	15.0	21.8	0.65	465	3.58	0.05	7.4	3.2	660
K292530		1.86	13.65	0.10	0.9	0.191	3.22	18.1	11.1	0.72	460	4.32	0.05	6.1	4.7	560
K292531		2.28	17.65	0.13	1.2	0.102	3.33	29.1	17.6	0.85	629	1.49	0.07	8.1	2.8	680
K292532		4.42	17.10	0.14	1.0	0.200	3.14	29.9	24.1	0.84	1180	1.09	0.11	7.2	2.7	640
K292533		5.92	13.85	0.11	1.1	0.554	2.82	23.8	17.3	0.52	789	1.57	0.04	5.8	4.6	510
K292534		0.47	0.22	0.13	<0.1	<0.005	0.03	0.6	1.0	12.75	194	<0.05	<0.01	0.1	1.6	200
K292535		2.77	17.25	0.17	3.2	0.065	3.03	29.8	15.0	1.23	1060	2.04	0.08	9.9	6.4	1070
K292536		2.60	17.35	0.14	3.4	0.032	3.13	28.2	14.6	0.91	729	1.79	0.07	9.5	6.3	1110
K292537		2.42	17.50	0.15	3.2	0.033	2.98	30.1	25.2	1.19	657	0.87	0.05	9.3	5.8	1010
K292538		6.56	15.25	0.13	1.1	0.800	2.88	23.3	19.8	0.77	1780	8.44	0.12	6.2	12.2	530
K292539		2.47	17.40	0.14	3.3	0.032	3.11	26.2	22.1	1.06	788	1.14	0.05	9.5	5.5	1030
K292540		4.55	15.40	0.13	1.2	0.135	3.13	24.6	18.1	0.79	926	2.93	0.05	6.0	3.8	600
K292541		2.87	17.85	0.14	3.4	0.076	3.07	29.1	17.6	1.02	2270	2.00	0.06	9.7	5.7	1070
K292542		0.46	0.23	0.18	<0.1	<0.005	0.03	0.6	1.0	12.90	202	0.08	<0.01	0.2	1.4	190
K292543		15.55	15.25	0.11	0.8	11.25	1.67	9.0	11.3	0.98	2470	2.73	0.03	3.7	3.9	270
K292544		2.51	17.05	0.14	2.1	0.065	2.54	22.5	43.1	0.65	1010	2.79	0.11	8.6	2.3	870
K292545		2.60	17.95	0.13	2.2	0.036	2.55	23.5	44.0	0.91	1080	1.54	0.11	8.7	1.5	860
K292546		2.47	16.90	0.13	2.0	0.076	2.07	23.1	128.0	0.87	1120	1.63	0.21	8.2	1.8	810
K292547		2.59	14.80	0.14	2.0	0.153	2.22	27.3	45.1	0.82	1070	5.62	0.10	7.8	3.1	840
K292548		3.25	15.80	0.15	1.0	0.358	3.45	35.6	12.1	0.72	1240	3.03	0.04	5.1	2.7	570

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K292513		314	200	<0.002	3.08	14.75	9.7	1	5.5	47.4	0.72	0.85	15.15	0.205	2.87	5.8
K292514		14.5	76.0	0.002	0.53	9.17	10.7	1	1.9	244	0.69	0.15	11.60	0.252	1.49	3.6
K292515		19.8	98.3	0.002	0.45	2.59	9.9	1	1.7	266	0.64	0.25	11.25	0.249	1.68	3.5
K292516		18.3	108.0	0.003	0.44	2.71	11.0	1	1.7	358	0.65	0.25	12.55	0.261	1.62	3.8
K292517		17.2	100.5	<0.002	0.62	15.00	10.0	2	2.7	161.0	0.65	0.33	13.75	0.247	1.85	4.0
K292518		485	162.0	0.005	2.64	28.7	9.2	1	5.7	108.0	0.50	0.30	10.95	0.200	2.60	4.9
K292519		70.6	134.5	<0.002	1.60	13.75	10.3	1	3.3	107.0	0.66	0.36	13.75	0.236	2.33	4.6
K292520		66.6	114.5	<0.002	1.22	10.15	9.9	1	2.3	138.0	0.68	0.14	14.20	0.233	2.32	4.6
K292521		232	114.0	<0.002	0.88	16.55	10.3	2	2.6	134.5	0.73	0.18	13.75	0.238	1.91	6.8
K292522		235	108.5	<0.002	0.91	16.15	10.2	1	2.7	130.0	0.75	0.21	13.00	0.239	1.99	6.5
K292523		175.0	193.5	<0.002	2.38	14.85	8.6	2	5.5	59.8	0.59	0.41	12.00	0.189	2.84	5.0
K292524		13.7	105.5	<0.002	0.44	15.15	10.0	1	2.7	130.5	0.70	0.13	14.70	0.229	1.63	3.1
K292525		32.5	139.0	<0.002	1.03	9.78	9.6	1	3.3	123.0	0.59	0.22	13.05	0.223	2.23	4.8
K292526		19.0	106.5	<0.002	0.33	5.25	9.9	1	1.9	231	0.65	0.13	11.20	0.249	1.78	4.4
K292527		17.4	69.3	<0.002	0.94	17.75	10.8	1	4.2	72.7	0.74	0.14	9.96	0.265	1.19	3.9
K292528		76.1	151.0	<0.002	0.30	19.30	10.8	1	2.3	79.7	0.59	0.09	11.55	0.243	2.49	5.1
K292529		91.1	144.0	<0.002	0.30	21.7	11.1	1	2.3	79.2	0.61	0.07	10.10	0.242	2.44	4.7
K292530		136.5	177.0	0.002	0.84	74.6	10.2	1	2.0	87.5	0.49	0.14	10.75	0.202	2.66	6.1
K292531		119.0	116.0	<0.002	0.32	8.51	10.9	1	2.0	119.5	0.61	0.06	11.05	0.271	2.38	4.0
K292532		197.5	173.0	<0.002	1.99	25.3	11.2	1	7.0	107.5	0.50	0.16	14.80	0.246	2.71	4.2
K292533		856	162.0	0.002	5.59	24.0	8.7	1	8.5	50.7	0.45	0.15	10.65	0.196	2.73	3.7
K292534		2.5	1.5	<0.002	0.02	<0.05	0.2	<1	0.2	47.8	<0.05	<0.05	0.11	<0.005	0.03	0.8
K292535		273	123.0	<0.002	0.53	14.80	6.7	1	1.6	157.0	0.67	<0.05	8.36	0.285	2.53	7.0
K292536		16.3	118.5	<0.002	0.37	9.38	6.5	1	1.3	129.5	0.66	<0.05	7.51	0.289	2.24	5.3
K292537		17.0	132.5	<0.002	0.25	7.58	6.3	1	1.3	148.5	0.65	<0.05	8.01	0.269	2.23	5.2
K292538		1305	159.5	0.002	4.63	65.0	9.0	2	7.8	94.5	0.51	0.98	10.35	0.202	2.40	4.9
K292539		18.5	117.0	<0.002	0.18	7.42	6.1	1	1.2	130.0	0.64	<0.05	7.31	0.279	2.33	4.7
K292540		731	192.0	<0.002	3.11	16.80	8.9	1	6.6	69.8	0.43	0.12	9.44	0.211	2.60	2.8
K292541		124.5	132.5	<0.002	1.53	14.70	6.7	1	1.9	186.5	0.66	<0.05	7.73	0.291	2.48	4.8
K292542		2.2	1.5	<0.002	<0.01	0.16	0.2	<1	<0.2	43.0	<0.05	<0.05	0.08	<0.005	0.02	0.4
K292543		3960	87.4	<0.002	>10.0	59.4	4.4	2	21.9	84.1	0.27	0.31	4.56	0.122	1.48	2.3
K292544		706	94.2	<0.002	0.41	12.00	4.7	1	1.7	137.5	0.61	<0.05	6.59	0.294	1.82	4.3
K292545		21.0	86.2	<0.002	0.12	5.97	4.9	1	1.3	141.5	0.64	<0.05	7.09	0.286	1.76	4.2
K292546		38.6	70.6	<0.002	0.40	5.89	4.6	1	1.4	197.5	0.59	<0.05	6.51	0.276	1.41	4.5
K292547		260	99.4	<0.002	0.85	16.10	5.3	<1	2.1	296	0.55	0.07	7.31	0.254	1.62	9.7
K292548		349	243	<0.002	2.01	58.5	10.2	1	4.5	79.7	0.58	0.47	13.70	0.217	2.94	4.2

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K292513		61	5.9	10.2	276	30.5	0.165
K292514		74	4.5	14.2	56	26.5	0.019
K292515		70	2.3	13.8	36	30.5	0.011
K292516		73	3.8	16.1	41	29.2	0.027
K292517		71	1.8	13.9	43	31.2	0.076
K292518		65	5.7	11.4	875	30.3	0.348
K292519		70	2.8	13.9	192	31.7	0.153
K292520		66	2.3	14.0	76	30.5	0.074
K292521		67	2.9	15.4	355	27.1	0.139
K292522		67	2.9	15.0	376	27.3	0.142
K292523		59	4.7	10.6	241	27.1	0.131
K292524		64	5.9	14.4	58	29.5	0.034
K292525		65	4.4	14.9	71	27.7	0.066
K292526		68	3.8	13.0	54	27.9	0.017
K292527		75	10.7	13.2	50	29.0	0.041
K292528		73	6.0	10.8	71	27.9	0.043
K292529		75	5.5	10.0	118	30.1	0.104
K292530		70	6.3	10.6	201	24.0	0.053
K292531		79	4.1	12.0	182	30.8	0.014
K292532		72	4.3	12.0	271	26.5	0.137
K292533		58	5.5	9.5	1560	27.1	2.49
K292534		2	0.1	0.8	18	<0.5	<0.005
K292535		61	2.1	13.2	214	134.0	0.055
K292536		62	2.2	12.5	66	135.0	0.016
K292537		58	2.4	12.8	69	128.5	0.018
K292538		61	6.0	11.6	2380	30.9	0.938
K292539		59	2.0	12.3	68	129.0	0.011
K292540		62	5.2	8.6	830	37.2	0.222
K292541		61	2.6	13.2	255	138.5	0.554
K292542		2	0.2	0.7	16	0.7	<0.005
K292543		35	6.5	7.1	>10000	26.5	6.79
K292544		45	2.1	9.9	949	65.6	0.096
K292545		46	1.2	11.3	101	66.2	0.007
K292546		42	2.4	11.2	283	66.6	0.032
K292547		45	2.9	12.9	570	70.5	0.214
K292548		71	4.1	10.1	625	26.5	0.104

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112562

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112563

Project: Klaza

P.O. No.: Batch 24

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

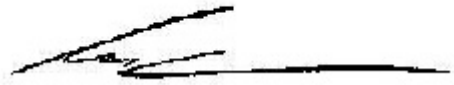
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112563

Sample Description	Method	WEI-21	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290509		2.42		0.72	7.92	65.7	1870	1.57	0.11	2.08	3.03	43.4	4.6	8	15.70	7.2
K290510		1.82		0.18	7.53	12.3	2230	1.52	0.11	2.47	0.99	44.6	4.4	10	10.30	2.4
K290511		2.42		0.21	7.80	7.2	2560	2.05	0.11	1.72	0.61	40.2	5.4	8	13.55	5.9
K290512		3.10		0.13	7.54	17.8	1880	1.68	0.17	2.50	0.51	38.3	6.5	10	14.90	5.5
K290513		3.22		3.59	6.07	1750	270	1.34	0.61	1.26	13.40	37.2	5.9	10	8.99	18.2
K290514		3.60		3.53	6.46	975	1200	1.41	0.82	0.46	25.4	44.1	4.8	10	15.70	10.2
K290515		0.36		4.59	6.90	735	470	1.41	3.21	2.13	10.35	45.5	11.4	26	12.70	317
K290516		1.96		3.95	7.20	310	370	1.47	0.75	0.50	31.6	45.8	3.3	10	7.24	21.8
K290517		2.52		9.05	2.48	1355	190	0.76	0.45	9.24	72.7	16.50	2.1	4	4.03	56.0
K290518		2.50		8.81	4.06	920	480	0.97	0.54	5.69	72.1	23.5	3.6	7	5.01	47.9
K290519		2.14		1.72	5.83	98.1	650	1.52	0.12	5.04	11.70	40.5	2.9	7	16.55	14.1
K290520		1.98		6.74	5.04	202	690	1.73	0.72	4.53	41.9	32.6	5.3	5	14.35	33.0
K290521		6.02		0.03	0.05	0.6	30	<0.05	0.04	20.7	0.24	0.97	0.7	1	0.11	2.4
K290522		2.38		0.36	5.79	37.8	750	2.77	0.66	0.22	0.56	14.90	0.6	2	17.40	1.7
K290523		3.60		0.32	6.56	21.6	120	2.98	0.59	0.45	0.67	16.90	0.5	2	27.6	1.2
K290524		6.78		0.08	6.50	10.6	130	2.56	0.22	0.25	0.41	15.00	0.3	1	21.2	0.8
K290525		9.72		0.26	6.58	34.5	290	2.90	0.43	0.12	0.89	15.65	0.7	1	30.9	1.3
K290526		0.34		10.95	6.67	1565	570	1.42	10.75	1.90	30.7	42.8	16.2	19	12.70	286
K290527		2.70		1.13	4.03	43.9	580	2.17	3.33	0.09	0.96	10.75	0.6	6	15.55	2.7
K290528		4.08		0.29	6.65	32.2	460	1.42	0.13	1.68	4.71	38.4	3.7	7	25.4	7.1
K290529		2.08		3.30	2.92	249	120	0.76	0.40	2.40	22.1	18.50	29.6	11	4.79	16.7
K290530		6.06		0.02	0.06	<0.2	30	0.06	0.05	20.2	0.08	0.95	0.6	1	0.38	1.6
K290531		2.28		10.25	4.88	629	1210	1.58	0.46	1.84	38.5	28.5	4.1	7	16.15	52.2
K290532		2.74		3.91	7.03	192.0	1170	1.69	0.28	1.66	29.6	42.5	4.8	7	19.05	20.5
K290533		1.96		0.08	7.62	7.1	2080	1.70	0.08	2.39	0.36	46.7	5.6	9	18.45	4.2
K290534		1.00		0.11	7.55	9.2	2070	1.49	0.08	2.32	0.41	38.4	5.6	9	18.05	4.3
K290535		2.28		0.11	7.25	10.7	2010	1.44	0.08	2.53	0.42	39.3	4.8	10	18.40	2.7
K290536		2.92		0.20	7.23	27.4	1680	1.62	0.12	2.61	1.31	47.4	6.8	10	17.30	3.6
K290537		2.48		0.35	7.56	19.5	1800	1.50	0.11	1.21	2.29	48.9	7.6	9	18.95	3.4
K290538		2.36	1.150	36.4	6.68	389	1570	1.75	0.18	3.23	36.2	48.6	6.7	8	17.20	9.1
K290539		4.50		0.73	7.01	45.2	1440	1.50	0.14	2.02	2.61	55.1	6.2	8	17.90	3.2
K290540		<0.02		0.68	7.15	44.8	1520	1.57	0.13	2.07	2.84	53.2	5.8	10	17.95	3.7
K290541		2.04		0.37	7.23	18.5	1360	1.47	0.25	2.13	0.63	44.6	6.2	8	15.75	2.3
K290542		2.08		2.33	7.39	79.2	1550	1.48	0.08	1.82	19.75	42.1	6.3	9	19.30	26.6
K290543		2.52		0.38	8.39	19.4	2160	1.21	0.10	0.77	1.05	39.6	6.3	9	10.15	5.2
K290544		2.16		1.35	7.17	31.7	1160	1.48	0.07	1.82	9.41	41.8	8.3	10	17.30	9.3

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112563

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290509		3.06	15.30	0.11	1.2	0.060	3.40	26.1	17.7	0.68	1270	1.38	0.34	7.8	2.3	600
K290510		2.99	15.05	0.07	1.2	0.047	3.08	26.8	8.1	0.59	820	1.50	1.81	7.5	2.3	580
K290511		3.92	14.45	0.07	1.1	0.046	2.94	23.6	18.9	0.94	479	1.16	1.09	7.9	2.4	600
K290512		3.35	16.15	0.08	1.2	0.070	3.24	21.5	28.3	0.68	871	1.63	0.26	8.3	2.3	620
K290513		4.32	13.90	<0.05	0.9	0.177	2.87	22.9	12.7	0.53	1560	2.27	0.03	5.9	2.2	430
K290514		5.50	14.30	<0.05	0.9	0.107	2.98	27.4	16.8	0.53	2070	1.60	0.04	6.0	2.2	480
K290515		5.07	14.55	<0.05	1.0	0.322	2.96	29.2	23.7	0.80	1880	14.10	0.15	6.0	13.4	510
K290516		5.29	14.80	<0.05	0.9	0.190	3.41	28.2	7.3	0.45	2710	2.47	0.04	6.7	1.9	510
K290517		5.25	5.81	<0.05	0.4	1.110	1.16	9.5	13.8	3.28	10300	3.43	0.01	2.4	1.0	180
K290518		4.98	9.28	<0.05	0.5	0.301	1.90	15.0	11.9	2.12	5420	2.80	0.02	3.9	1.4	300
K290519		3.27	12.25	<0.05	0.9	0.112	2.57	25.0	15.5	1.74	3320	3.24	0.03	7.2	1.6	510
K290520		4.03	11.40	<0.05	0.9	0.310	2.26	21.3	14.8	1.64	2890	5.58	0.02	7.0	2.0	270
K290521		0.49	0.22	0.15	<0.1	<0.005	0.02	0.5	1.1	12.85	211	0.05	<0.01	0.1	1.4	150
K290522		0.45	15.65	0.14	2.6	0.029	1.61	7.6	106.0	0.16	176	1.79	0.03	19.0	0.5	50
K290523		0.59	17.85	0.11	2.9	0.018	2.31	8.4	60.3	0.21	430	0.87	0.03	23.1	0.5	40
K290524		0.58	17.30	0.10	2.7	0.027	2.25	7.7	61.4	0.11	407	0.86	0.03	20.2	0.4	30
K290525		0.50	18.25	0.13	2.8	0.017	2.50	8.3	37.6	0.10	282	0.63	0.04	20.3	0.5	30
K290526		6.49	14.40	<0.05	1.0	0.808	2.86	26.6	18.2	0.78	1760	8.49	0.12	6.1	11.1	530
K290527		0.52	10.75	0.08	1.7	0.043	1.31	5.9	112.0	0.08	200	2.16	0.03	11.5	0.7	40
K290528		1.73	14.05	0.13	1.0	0.046	2.45	23.2	41.8	0.50	837	1.96	0.04	8.8	1.6	510
K290529		6.58	6.13	<0.05	0.3	0.261	1.34	10.9	22.6	0.43	3310	4.79	0.02	2.5	3.8	180
K290530		0.45	0.27	0.19	<0.1	<0.005	0.03	0.5	1.7	12.60	194	0.07	<0.01	0.2	1.2	170
K290531		3.71	11.10	0.06	0.8	0.341	2.19	17.9	24.6	0.48	2040	15.45	0.03	5.8	1.7	310
K290532		3.85	15.65	0.11	1.1	0.093	3.22	25.3	19.1	0.61	1300	4.24	0.04	7.5	2.2	520
K290533		2.85	15.75	0.12	1.1	0.042	2.87	27.6	26.0	0.72	520	0.81	1.65	7.9	2.2	590
K290534		2.81	15.30	0.10	1.2	0.041	2.90	22.3	26.4	0.70	521	0.86	1.63	7.8	2.3	600
K290535		2.80	15.00	0.09	1.1	0.041	2.91	23.2	29.4	0.72	665	0.80	1.52	7.5	2.2	570
K290536		2.98	14.50	0.11	1.0	0.067	2.62	28.3	22.5	0.82	923	1.02	0.38	7.6	2.4	550
K290537		2.54	16.20	0.11	1.4	0.054	2.67	24.8	36.1	0.47	905	1.16	0.07	9.2	3.1	620
K290538		4.57	14.05	0.10	1.1	0.070	2.88	26.7	16.4	1.21	2540	1.55	0.03	6.7	2.5	490
K290539		2.87	15.05	0.12	1.2	0.065	2.92	29.1	26.4	0.78	1270	0.93	0.05	7.6	2.3	530
K290540		2.91	14.80	0.13	1.3	0.067	2.94	28.2	26.1	0.80	1280	1.05	0.05	7.6	2.4	560
K290541		3.22	15.25	0.11	1.3	0.057	2.91	22.9	21.9	0.83	1100	0.89	0.05	8.2	2.2	580
K290542		3.74	15.80	0.11	1.4	0.048	3.38	20.9	28.3	0.80	1530	0.99	0.06	8.2	2.3	570
K290543		2.61	17.15	0.09	1.6	0.039	2.43	18.4	39.2	0.36	887	0.81	0.07	9.6	2.3	670
K290544		3.19	15.30	0.09	1.4	0.046	2.86	19.6	31.9	0.71	1480	0.75	0.06	8.2	4.4	570

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112563

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K290509		168.0	146.5	<0.002	0.30	10.70	9.8	1	2.0	88.4	0.65	<0.05	12.90	0.259	2.21	3.2
K290510		22.7	126.0	<0.002	0.08	2.35	9.5	1	1.7	278	0.61	<0.05	12.05	0.244	1.52	2.5
K290511		42.1	106.0	<0.002	0.04	3.54	10.1	1	1.6	185.0	0.64	<0.05	12.45	0.257	1.30	3.7
K290512		21.3	113.5	<0.002	0.09	8.44	10.4	1	1.9	116.0	0.68	<0.05	11.30	0.269	1.65	3.1
K290513		1090	158.0	<0.002	2.44	24.5	8.1	1	2.9	36.6	0.47	0.13	9.53	0.183	2.52	2.7
K290514		1535	164.5	<0.002	1.68	23.5	8.3	1	3.0	17.2	0.49	<0.05	11.65	0.189	2.56	3.2
K290515		490	153.0	0.003	2.76	28.0	8.7	1	5.5	103.5	0.50	0.38	11.35	0.202	2.45	4.9
K290516		2040	182.5	<0.002	2.85	12.10	9.0	1	2.9	10.7	0.54	0.07	12.05	0.216	2.86	3.0
K290517		3030	72.7	<0.002	2.72	25.1	3.2	<1	2.0	119.0	0.18	0.05	4.24	0.074	1.20	3.1
K290518		3270	112.5	<0.002	3.00	18.70	5.1	<1	2.3	69.8	0.31	0.06	7.19	0.122	1.84	2.1
K290519		243	169.0	<0.002	0.66	19.15	9.7	1	1.8	78.8	0.57	<0.05	11.35	0.222	2.62	3.5
K290520		2250	139.5	<0.002	2.06	28.8	6.1	1	2.5	106.0	0.55	<0.05	9.87	0.141	2.31	5.0
K290521		11.0	1.1	<0.002	0.01	0.15	0.1	1	<0.2	42.8	<0.05	<0.05	0.07	<0.005	0.02	0.6
K290522		44.0	106.5	<0.002	0.03	31.8	2.2	<1	3.1	61.6	2.13	<0.05	19.10	0.029	1.00	8.5
K290523		46.9	155.5	<0.002	0.02	12.35	2.9	<1	3.0	49.4	2.44	<0.05	21.4	0.031	1.36	6.4
K290524		36.0	143.0	<0.002	0.01	11.75	2.7	<1	2.7	30.2	2.31	<0.05	20.4	0.031	1.29	3.1
K290525		43.1	176.0	<0.002	0.01	16.60	2.6	1	2.7	36.1	2.42	<0.05	21.5	0.032	1.49	2.9
K290526		1285	155.5	0.002	4.66	62.6	8.7	2	7.6	91.3	0.50	0.96	11.15	0.201	2.46	4.9
K290527		87.8	88.7	<0.002	0.02	67.9	1.7	<1	2.9	42.5	1.47	<0.05	13.30	0.022	0.87	4.9
K290528		51.6	116.5	<0.002	0.11	29.3	9.0	<1	1.4	110.0	0.58	<0.05	10.70	0.232	2.17	3.5
K290529		1230	72.2	<0.002	3.50	32.8	3.9	1	1.1	27.5	0.18	0.06	3.87	0.076	1.11	4.8
K290530		3.5	2.1	<0.002	<0.01	0.17	0.1	<1	<0.2	43.4	<0.05	<0.05	0.09	<0.005	0.02	0.6
K290531		2570	129.5	<0.002	1.12	57.7	6.5	<1	2.3	51.7	0.49	<0.05	8.95	0.141	1.96	6.0
K290532		1070	157.0	<0.002	0.81	17.15	8.9	1	2.4	56.8	0.58	<0.05	12.70	0.220	2.72	5.5
K290533		23.6	105.5	<0.002	0.05	4.37	9.7	1	1.4	293	0.64	<0.05	13.15	0.252	1.23	4.2
K290534		29.5	99.6	<0.002	0.05	4.18	9.5	1	1.4	286	0.63	<0.05	11.50	0.252	1.22	4.2
K290535		33.1	103.0	<0.002	0.05	3.55	9.1	1	1.4	271	0.65	<0.05	11.75	0.241	1.37	3.7
K290536		26.3	103.5	<0.002	0.16	14.90	9.4	1	1.3	103.0	0.62	<0.05	12.45	0.231	1.46	7.9
K290537		24.7	116.5	<0.002	0.21	26.2	10.8	<1	1.5	85.1	0.72	<0.05	12.80	0.261	1.73	5.4
K290538		>10000	153.5	<0.002	1.29	54.6	9.1	<1	2.2	75.6	0.56	<0.05	11.65	0.210	3.12	4.9
K290539		178.5	127.0	<0.002	0.28	14.05	9.8	1	1.5	78.9	0.63	<0.05	11.70	0.230	2.25	4.5
K290540		183.5	125.5	<0.002	0.27	13.85	9.9	<1	1.5	80.0	0.63	<0.05	11.75	0.235	2.30	4.5
K290541		51.0	119.5	<0.002	0.17	19.05	10.2	1	1.3	91.4	0.67	<0.05	11.50	0.243	2.30	4.1
K290542		447	129.0	<0.002	0.43	16.70	10.0	<1	2.1	83.2	0.71	<0.05	11.15	0.247	2.55	4.0
K290543		48.2	95.6	<0.002	0.17	20.6	10.6	<1	1.6	63.0	0.78	<0.05	12.00	0.283	1.21	3.4
K290544		458	108.0	<0.002	0.29	20.7	9.9	1	1.7	70.1	0.68	<0.05	10.60	0.239	2.03	3.9

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Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112563

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K290509		71	2.3	13.7	345	33.9	0.006
K290510		70	1.2	13.6	127	32.6	0.005
K290511		71	1.8	14.5	95	33.2	<0.005
K290512		77	2.4	14.7	114	33.5	<0.005
K290513		62	3.7	8.8	777	22.4	0.415
K290514		59	4.3	6.9	1300	23.5	0.664
K290515		67	5.1	10.9	885	28.5	0.347
K290516		63	4.5	7.0	1860	24.9	0.101
K290517		24	2.6	7.6	5200	9.8	0.582
K290518		36	3.6	6.8	4670	14.6	0.493
K290519		67	6.1	15.7	1140	24.8	0.059
K290520		42	2.6	11.4	2850	24.6	0.293
K290521		2	0.1	0.7	28	<0.5	<0.005
K290522		3	1.5	11.5	168	47.5	<0.005
K290523		2	1.6	12.3	135	52.9	<0.005
K290524		2	1.2	10.4	122	50.1	<0.005
K290525		3	1.5	7.7	192	51.8	<0.005
K290526		63	5.5	10.8	2370	28.8	0.915
K290527		4	1.0	6.6	182	32.6	0.011
K290528		65	4.8	14.2	476	25.7	<0.005
K290529		42	1.6	11.1	2080	9.0	0.101
K290530		2	0.1	0.7	20	<0.5	<0.005
K290531		49	3.0	12.9	2740	20.8	0.382
K290532		62	3.2	11.9	2240	27.5	0.114
K290533		69	1.5	14.8	188	31.6	<0.005
K290534		68	1.5	13.9	185	31.2	<0.005
K290535		66	1.8	13.0	101	28.6	<0.005
K290536		63	3.5	16.4	283	28.4	<0.005
K290537		63	5.2	15.1	281	34.9	<0.005
K290538		59	5.0	13.5	2480	26.5	0.158
K290539		65	4.1	13.5	250	29.2	0.014
K290540		67	4.0	13.5	275	30.3	0.016
K290541		70	2.5	14.1	121	30.3	<0.005
K290542		70	6.4	13.6	1380	35.9	0.049
K290543		65	14.9	12.0	134	40.5	<0.005
K290544		68	3.4	13.1	650	34.2	0.024

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Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112563

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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CERTIFICATE VA16112565

Project: Klaza

P.O. No.: Batch 25

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

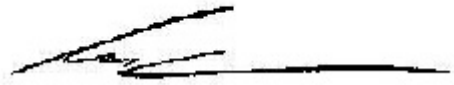
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112565

Sample Description	Method	WEI-21	Pb-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
K292549		2.24	1.530	1.390		47.6	6.58	3370	290	1.29	4.16	1.59	181.0	36.5	5.8	15
K292550		4.68				1.93	6.95	120.5	1750	1.65	2.37	2.29	4.77	51.9	9.4	23
K292551		6.14				0.33	7.37	27.2	1700	1.41	0.83	1.41	0.43	46.1	6.1	21
K292552		1.94				0.52	7.27	38.8	1750	1.40	1.25	1.54	0.96	43.1	6.9	17
K292553		1.92				8.50	7.14	2650	320	1.58	10.95	1.02	6.14	51.7	7.4	18
K292554		1.90				0.18	7.10	12.1	1520	1.98	0.22	2.92	0.12	55.6	6.8	20
K292555		5.96				0.11	7.23	9.2	2550	2.24	0.13	2.99	0.11	58.1	6.4	18
K292556		1.92				0.29	7.03	35.7	2050	2.06	0.26	2.59	0.11	54.5	7.0	18
K292557		2.36				3.99	6.73	894	560	1.57	5.04	1.59	1.85	41.4	20.8	14
K292558		6.02				0.01	0.08	<0.2	40	0.05	0.04	20.9	0.08	1.25	0.7	1
K292559		1.46				0.22	7.68	28.5	1310	1.53	1.10	1.59	0.11	43.2	8.7	14
K292560		1.40				0.10	7.47	20.5	1730	1.52	0.42	1.62	0.11	39.1	11.2	18
K292561		1.38				0.15	8.16	13.3	1810	1.51	0.46	1.44	0.12	43.9	6.5	18
K292562		0.32				4.65	6.82	725	410	1.60	3.44	2.13	10.60	48.1	12.2	26
K292563		5.66				0.56	7.79	18.7	3520	1.73	2.08	1.36	0.33	38.5	4.1	14
K292564		2.98				0.51	7.46	21.4	640	1.32	2.40	1.54	0.39	17.35	5.6	17
K292565		5.88				0.48	7.16	24.5	1870	1.69	2.50	2.08	0.44	26.6	8.3	17
K292566		6.90				1.84	7.28	30.5	2510	1.37	5.67	1.66	0.55	32.6	10.4	27
K292567		0.32				11.40	6.37	1510	270	1.54	11.70	1.84	30.0	43.9	16.4	19
K292568		3.76				0.35	8.12	26.7	2050	1.61	3.12	1.04	0.19	48.5	19.2	18
K292569		1.92				1.91	7.43	500	560	1.63	5.19	1.53	0.29	50.9	8.4	21
K292570		3.72				4.29	6.90	5110	260	1.51	19.15	0.48	11.90	48.9	11.5	21
K292571		6.08				0.01	0.12	1.5	40	0.09	0.06	20.5	0.07	1.34	0.7	2
K292572		2.98				0.35	7.57	31.6	2350	1.51	0.91	1.68	0.15	39.6	8.2	16
K292573		6.28				1.56	7.84	95.7	2270	1.88	2.65	2.57	3.07	48.6	9.8	18
K292574		2.64				18.00	5.85	5650	1060	1.19	23.9	0.93	15.55	38.9	20.8	21
K292575		3.04				31.2	7.11	4700	280	1.52	20.0	1.54	3.18	54.3	18.9	17
K292576		5.12				1.68	7.50	309	2130	1.68	2.34	2.11	1.70	48.7	14.7	17
K292577		0.94			1.345	3.12	4.83	>10000	260	1.06	3.97	7.93	3.10	37.3	6.1	12
K292578		4.26				1.01	7.19	187.0	2340	1.36	3.02	2.04	4.21	39.9	7.0	17
K292579		1.68				1.75	6.80	928	330	1.47	4.36	1.39	1.99	39.4	42.6	20
K292580		4.40				0.82	7.15	65.8	1960	1.43	1.58	1.56	0.57	37.4	13.6	17
K292581		<0.02				0.85	7.57	62.6	1960	1.46	1.64	1.59	0.59	46.5	15.2	19
K292582		6.66				0.17	7.89	15.3	2360	1.28	0.41	1.06	0.22	43.6	6.9	17
K292583		3.46				0.20	7.77	20.6	2250	1.69	1.14	2.14	0.08	45.2	16.9	18
K292584		1.42				13.90	7.28	8600	430	1.75	2.92	2.61	8.94	48.9	7.8	17

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

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112565

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
K292549		18.45	463	4.27	13.90	0.12	1.1	5.30	2.89	18.9	11.0	0.67	809	2.87	0.04	6.5
K292550		23.4	68.8	3.14	15.90	0.14	1.1	0.257	3.08	27.5	17.9	0.80	937	4.12	0.04	6.5
K292551		16.25	34.3	2.53	16.10	0.12	1.4	0.114	2.33	22.6	64.0	0.52	731	4.63	0.06	8.6
K292552		16.40	35.6	2.83	15.25	0.13	1.3	0.154	2.27	21.4	62.2	0.58	869	3.45	0.06	8.1
K292553		10.50	255	4.75	16.30	0.13	1.6	0.261	2.97	27.8	24.5	0.54	561	2.56	0.06	6.7
K292554		16.65	5.9	2.56	17.90	0.15	3.4	0.028	2.70	27.6	31.4	0.96	709	1.40	0.06	9.8
K292555		18.45	9.1	2.61	18.05	0.15	3.4	0.030	2.96	29.3	31.6	0.99	715	1.16	0.06	9.8
K292556		23.9	15.7	2.52	18.15	0.15	3.6	0.030	3.00	27.3	24.5	0.88	683	4.28	0.08	9.9
K292557		8.62	98.6	3.99	14.00	0.13	1.3	0.254	3.17	22.4	12.8	0.69	560	4.76	0.05	5.3
K292558		0.19	2.0	0.48	0.26	0.19	<0.1	0.005	0.03	0.6	1.3	13.05	202	0.13	<0.01	0.2
K292559		18.90	18.1	3.05	16.40	0.16	1.3	0.113	2.23	21.9	45.7	0.66	566	2.03	0.07	7.6
K292560		25.9	7.7	3.06	16.25	0.13	1.3	0.062	2.50	19.3	36.0	0.65	585	1.62	0.07	7.7
K292561		23.4	18.6	3.41	17.55	0.13	1.4	0.060	2.21	21.7	44.3	0.69	717	2.63	0.05	8.1
K292562		12.50	312	5.10	15.40	0.13	1.1	0.317	3.00	26.4	26.8	0.80	1920	13.10	0.15	6.1
K292563		12.50	26.4	2.12	15.45	0.13	1.3	0.233	3.20	20.2	26.9	0.58	567	3.74	0.05	6.4
K292564		8.11	6.6	2.54	13.20	0.12	1.2	0.413	3.13	7.6	34.6	0.68	683	5.54	0.05	5.0
K292565		8.42	28.1	2.23	13.60	0.13	1.3	0.207	3.22	12.6	45.4	0.59	617	3.57	0.05	6.3
K292566		9.36	32.5	3.20	15.25	0.13	1.1	0.396	3.65	16.3	24.6	0.57	868	1.89	0.07	6.5
K292567		12.00	279	6.36	14.45	0.13	1.1	0.734	2.80	23.0	20.1	0.75	1720	7.73	0.12	6.0
K292568		7.36	29.2	3.61	16.35	0.14	1.0	0.330	3.29	25.4	26.0	0.48	636	2.90	0.08	7.2
K292569		8.49	66.0	4.91	14.85	0.14	1.1	0.189	3.40	28.2	17.7	0.78	647	2.96	0.23	7.0
K292570		6.69	201	6.56	15.35	0.15	0.8	0.306	3.19	26.2	36.1	0.63	683	2.08	0.05	5.6
K292571		0.21	2.7	0.47	0.31	0.17	<0.1	0.008	0.04	0.6	1.8	12.35	194	0.09	<0.01	0.2
K292572		8.91	21.5	3.63	16.15	0.11	1.0	0.099	2.84	19.2	29.5	0.68	537	1.89	0.60	8.1
K292573		10.25	214	4.92	17.60	0.13	1.0	0.334	3.10	25.4	22.2	0.98	875	11.35	0.93	7.9
K292574		5.79	120.5	8.03	13.50	0.11	0.7	0.689	2.73	19.9	9.6	0.69	948	3.75	0.05	4.5
K292575		9.11	189.5	5.56	16.05	0.13	0.8	0.343	3.42	29.0	7.4	0.77	972	8.02	0.10	5.6
K292576		13.50	58.3	3.79	15.20	0.12	0.9	0.203	2.86	25.5	28.0	0.81	566	6.10	0.60	7.8
K292577		11.30	43.7	5.95	10.50	0.12	0.6	0.136	2.06	19.8	12.4	1.38	1700	8.30	0.04	4.9
K292578		11.50	137.0	3.32	15.50	0.11	0.9	0.216	2.72	19.0	32.5	0.67	1120	4.20	0.08	7.7
K292579		8.01	27.6	5.13	15.70	0.11	0.8	0.332	3.32	20.6	12.6	0.61	598	5.40	0.06	5.4
K292580		8.10	26.7	3.61	15.65	0.12	0.9	0.161	3.14	17.3	28.2	0.62	577	6.81	0.10	7.6
K292581		8.33	27.0	3.83	15.95	0.13	1.0	0.153	3.24	24.3	28.5	0.65	595	8.87	0.10	7.6
K292582		9.21	15.4	3.12	16.45	0.12	0.9	0.082	2.75	21.7	36.7	0.42	646	3.12	0.09	8.4
K292583		14.05	8.6	3.54	16.65	0.13	1.0	0.106	2.93	22.6	25.9	0.71	516	42.4	0.67	8.2
K292584		16.30	256	5.09	15.15	0.13	0.8	0.310	3.23	26.1	11.2	0.94	2060	3.06	0.59	7.0

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112565

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
K292549		2.5	510	>10000	178.5	<0.002	3.80	91.7	8.6	1	4.0	64.6	0.62	0.24	11.60	0.209
K292550		2.8	540	254	187.5	<0.002	1.39	14.00	10.2	1	3.0	110.0	0.56	0.27	13.90	0.216
K292551		3.2	610	26.1	88.6	<0.002	0.26	17.45	10.3	1	2.1	106.5	0.77	0.05	16.25	0.257
K292552		3.1	590	64.1	84.9	<0.002	0.39	17.05	10.5	1	2.3	99.7	0.73	0.07	14.30	0.255
K292553		3.1	630	908	152.0	<0.002	3.85	56.8	9.8	1	9.3	57.7	0.64	0.36	17.20	0.208
K292554		5.8	1120	14.9	93.3	<0.002	0.12	7.79	6.6	1	1.3	134.5	0.67	<0.05	7.89	0.295
K292555		5.7	1060	13.8	111.5	<0.002	0.11	7.52	6.7	<1	1.3	145.0	0.66	<0.05	8.10	0.283
K292556		6.5	1100	16.8	109.0	<0.002	0.30	10.15	6.7	<1	1.4	183.5	0.68	<0.05	7.83	0.296
K292557		2.8	510	132.0	184.0	<0.002	3.13	29.5	8.2	1	5.3	63.0	0.49	0.93	14.30	0.176
K292558		1.5	200	3.0	1.4	<0.002	<0.01	0.14	0.2	<1	<0.2	47.7	<0.05	<0.05	0.12	<0.005
K292559		2.4	660	15.8	107.0	<0.002	0.44	11.30	10.7	<1	1.7	121.0	0.61	0.19	9.89	0.268
K292560		2.4	660	12.4	85.5	<0.002	0.37	9.41	10.5	1	1.9	95.1	0.75	0.10	9.51	0.268
K292561		2.2	690	10.5	84.8	<0.002	0.17	6.58	11.4	1	1.8	67.9	0.69	0.05	12.65	0.293
K292562		14.4	540	496	159.0	0.003	2.74	26.9	8.9	1	5.6	109.0	0.49	0.31	10.05	0.207
K292563		3.7	610	31.7	144.5	<0.002	0.54	13.00	10.1	1	2.7	72.9	0.52	0.34	18.60	0.216
K292564		1.5	610	35.2	153.0	<0.002	1.51	6.68	9.8	1	4.2	68.8	0.39	0.69	14.25	0.185
K292565		1.8	600	30.5	121.0	<0.002	0.95	10.85	9.3	1	3.3	99.7	0.52	0.75	11.50	0.209
K292566		2.6	640	93.0	150.5	<0.002	1.13	8.00	10.6	1	4.7	102.0	0.51	0.25	9.84	0.239
K292567		11.5	510	1290	158.0	<0.002	4.53	62.1	8.6	1	7.4	90.3	0.48	1.13	9.71	0.199
K292568		2.5	680	21.0	137.0	<0.002	1.45	8.23	11.0	1	4.3	79.0	0.55	0.82	10.70	0.249
K292569		2.9	610	69.6	181.0	<0.002	2.33	7.49	11.2	1	5.6	81.7	0.53	0.37	11.30	0.248
K292570		2.4	560	529	188.0	<0.002	4.26	8.42	9.9	1	10.9	19.6	0.40	1.02	12.55	0.203
K292571		1.9	180	2.2	1.9	<0.002	<0.01	0.14	0.2	<1	0.2	49.2	<0.05	<0.05	0.16	<0.005
K292572		2.6	650	19.9	102.5	<0.002	0.50	4.49	11.0	1	2.5	172.5	0.68	0.14	10.50	0.268
K292573		3.1	700	51.9	131.5	0.002	1.40	5.46	11.6	1	6.2	221	0.61	0.22	10.10	0.268
K292574		3.0	490	635	165.5	<0.002	6.57	43.0	9.7	3	8.4	36.3	0.33	2.46	10.55	0.170
K292575		2.6	610	563	211	0.002	3.81	75.7	10.4	2	5.6	65.9	0.45	13.95	11.25	0.218
K292576		2.6	630	65.4	115.0	0.002	0.95	11.60	10.4	2	2.7	203	0.63	0.67	16.65	0.250
K292577		2.2	380	318	133.0	0.003	3.67	57.2	7.0	2	3.1	180.5	0.36	0.20	6.86	0.162
K292578		2.5	640	76.3	87.6	0.002	0.60	8.25	10.4	2	3.1	105.0	0.58	0.05	12.60	0.257
K292579		3.3	580	118.0	193.5	<0.002	3.62	5.91	10.4	1	12.4	49.0	0.46	0.89	9.45	0.203
K292580		2.8	600	53.4	114.5	<0.002	0.97	4.56	9.8	1	5.1	88.4	0.65	0.30	10.30	0.241
K292581		3.0	620	55.9	129.0	<0.002	1.13	4.51	10.3	1	5.5	89.6	0.67	0.33	12.05	0.248
K292582		2.4	660	19.9	104.0	<0.002	0.16	7.00	11.1	1	2.2	84.3	0.65	0.05	11.05	0.277
K292583		2.9	690	15.0	111.5	0.003	0.62	4.26	11.5	1	3.1	177.5	0.65	0.36	9.66	0.283
K292584		2.6	610	225	161.0	<0.002	2.75	93.7	10.4	1	4.4	176.0	0.52	0.20	11.15	0.251

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Finalized Date: 26-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112565

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292549		2.32	4.2	58	3.9	12.2	>10000	27.1	0.585
K292550		2.57	4.3	63	4.0	13.2	295	30.0	0.032
K292551		1.26	4.7	65	11.1	13.3	64	35.7	0.007
K292552		1.34	5.4	69	8.0	13.6	109	33.2	0.015
K292553		1.92	4.7	66	5.1	9.0	561	47.0	0.722
K292554		2.06	4.8	63	1.2	13.0	53	138.0	<0.005
K292555		2.17	4.6	60	1.4	13.4	66	134.0	<0.005
K292556		2.26	6.0	63	1.7	12.8	53	138.0	0.012
K292557		2.14	5.9	55	4.7	8.8	171	36.1	0.437
K292558		0.02	0.7	2	0.1	0.8	18	0.8	<0.005
K292559		1.70	4.3	79	2.2	15.2	53	35.8	0.018
K292560		1.42	2.9	75	3.8	13.2	48	37.3	<0.005
K292561		1.16	3.3	84	5.9	15.0	46	38.1	<0.005
K292562		2.26	4.9	66	5.5	11.4	894	31.5	0.348
K292563		2.06	4.6	69	3.8	12.4	54	39.1	0.016
K292564		1.97	4.3	67	4.4	13.3	51	32.9	0.018
K292565		2.05	4.5	65	3.8	10.5	58	35.8	0.012
K292566		2.16	4.1	75	4.2	12.5	86	32.0	0.030
K292567		2.28	4.8	60	5.7	10.3	2310	29.3	0.916
K292568		1.65	4.7	75	4.2	15.9	53	25.1	0.031
K292569		2.12	5.7	78	3.0	15.5	64	29.5	0.154
K292570		1.89	2.9	68	7.3	8.5	1110	21.5	1.065
K292571		0.02	0.9	3	0.1	0.8	19	<0.5	0.015
K292572		1.45	3.8	75	3.1	14.1	67	22.6	0.018
K292573		1.79	4.3	69	3.5	15.7	265	23.4	0.201
K292574		1.93	3.2	59	4.9	7.0	1170	16.4	2.71
K292575		2.74	3.3	73	6.0	10.0	284	19.4	0.616
K292576		1.59	4.1	71	2.6	14.4	160	22.9	0.049
K292577		1.63	8.2	48	3.2	14.4	265	13.8	4.15
K292578		1.49	3.0	73	7.7	13.5	449	22.3	0.039
K292579		2.10	3.1	72	5.5	10.0	189	19.5	0.134
K292580		1.69	3.1	71	3.8	11.2	83	22.5	0.064
K292581		1.69	3.0	73	4.0	12.8	82	22.6	0.083
K292582		1.16	2.7	77	9.2	13.8	56	24.4	0.005
K292583		1.61	3.6	81	2.9	15.9	47	24.4	0.007
K292584		2.30	5.0	71	3.6	13.7	770	21.9	1.920

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

ALS Canada Ltd.

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

Project: Klaza

Finalized Date: 26-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112565

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

As-OG62	Au-AA24	CRU-31	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112566

Project: Klaza

P.O. No.: Batch 26

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

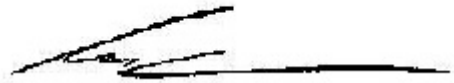
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112566

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292585		1.38	0.15	7.66	8.9	2110	1.48	0.49	1.94	0.10	47.7	5.8	11	11.85	13.7	2.76
K292586		1.36	5.47	7.54	1695	320	1.64	5.07	1.50	4.06	52.9	6.4	9	13.20	151.5	5.21
K292587		2.68	1.10	7.73	93.9	1790	1.63	0.70	2.64	2.34	46.4	7.7	10	12.55	59.3	3.23
K292588		1.52	5.22	4.85	617	80	1.19	5.61	5.37	6.66	34.6	5.4	6	8.36	99.2	6.98
K292589		2.46	1.31	7.87	67.7	1660	1.62	1.81	1.65	2.15	48.8	6.1	11	16.75	93.7	3.88
K292590		1.22	1.77	7.87	91.0	1640	1.67	2.23	1.66	0.82	53.9	7.0	10	16.90	147.5	3.98
K292591		1.26	0.49	7.32	15.0	1580	1.68	1.15	1.99	3.28	59.7	4.5	11	13.15	18.1	2.98
K292592		1.72	0.80	7.63	19.2	2190	1.53	1.87	2.66	0.28	56.8	8.7	12	10.95	8.3	3.03
K292593		2.90	0.15	7.58	11.8	2250	1.55	0.68	2.89	0.15	50.7	7.3	12	14.40	9.6	3.22
K292594		1.46	2.26	6.84	3550	460	1.44	7.83	1.57	0.76	52.0	8.1	9	10.00	202	5.29
K292595		1.24	0.42	7.66	37.6	2400	1.57	2.02	2.87	0.18	47.3	20.3	11	8.54	24.0	3.62
K292596		5.12	0.24	7.64	11.9	2290	1.54	0.72	2.72	0.11	50.1	7.1	15	10.75	15.7	2.96
K292597		6.04	0.44	7.52	23.7	2260	1.50	1.18	2.53	0.14	45.3	7.7	12	10.85	19.8	3.17
K292598		4.18	0.52	7.48	19.0	1990	1.53	1.12	2.95	0.15	50.6	6.7	12	11.90	28.5	3.24
K292599		<0.02	0.49	7.67	17.9	2000	1.59	1.06	2.96	0.13	50.5	6.4	12	12.00	26.9	3.28
K292600		2.26	0.52	7.29	27.0	1540	1.53	0.94	1.82	0.40	47.3	9.7	9	12.60	66.1	3.34
K292601		1.12	0.25	7.75	15.7	2020	1.70	0.73	2.67	0.15	50.5	8.2	14	8.36	15.9	3.61
K292602		1.66	0.99	8.15	4900	1690	1.53	2.27	1.06	1.62	49.7	8.6	10	11.40	71.4	4.65
K292603		1.52	14.35	5.60	6570	180	1.18	22.6	1.55	10.25	38.5	9.0	7	5.66	294	8.91
K292604		6.04	0.02	0.07	4.1	50	0.06	0.05	19.70	0.07	1.20	0.6	1	0.33	2.7	0.44
K292605		1.62	1.30	8.50	699	1760	1.50	2.02	0.51	1.92	50.9	5.2	11	10.35	41.3	3.65
K292606		1.00	0.45	8.15	33.7	1800	1.41	0.84	0.80	0.89	51.5	7.6	9	9.31	23.5	4.12
K292607		1.28	4.70	6.97	26.5	1560	1.80	1.27	1.45	11.85	48.9	6.7	8	10.15	158.0	3.61
K292608		3.44	0.85	8.01	40.1	1490	1.27	2.12	0.02	0.07	57.6	3.6	9	6.38	25.0	2.78
K292609		0.36	4.40	6.76	691	430	1.45	3.40	2.09	10.60	47.8	12.0	24	13.30	312	4.97
K292610		6.00	0.42	8.08	39.2	2280	1.49	1.31	0.05	0.32	55.0	7.8	9	17.10	82.1	4.36
K292611		5.22	0.60	8.02	33.1	1450	1.56	1.69	0.12	0.63	57.3	5.3	10	16.80	77.1	4.32
K292612		6.08	0.01	0.10	<0.2	40	0.06	0.06	20.8	0.05	1.40	0.7	1	0.22	4.8	0.49
K292613		4.86	1.18	8.02	14.7	580	1.63	3.03	0.13	3.61	57.4	7.1	9	14.10	108.5	4.31
K292614		2.70	1.44	7.41	14.7	170	1.35	2.78	0.27	1.59	52.4	8.1	12	8.53	48.9	5.30
K292615		0.34	13.10	6.69	1540	260	1.36	11.80	1.92	32.4	44.9	17.3	18	13.50	285	6.57
K292616		7.62	0.91	7.28	28.3	200	1.41	2.51	0.76	0.83	50.7	7.5	11	14.15	54.5	5.25
K292617		7.42	1.43	6.39	105.5	260	1.48	6.52	1.22	2.09	43.1	10.7	8	14.60	32.7	6.12
K292618		6.76	1.90	6.58	83.3	380	1.40	3.68	0.91	1.31	44.9	7.6	8	24.3	36.3	4.37
K292619		3.70	2.71	7.03	119.0	120	1.13	9.17	0.41	0.87	44.6	9.8	11	5.11	29.0	6.92
K292620		6.52	0.66	7.38	26.9	400	1.57	1.66	1.56	0.56	50.7	7.2	9	17.10	31.2	4.98

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112566

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292585		16.00	0.13	1.1	0.063	3.03	25.4	26.1	0.60	550	1.80	0.83	8.0	2.3	580	17.3
K292586		16.20	0.12	1.1	0.200	3.34	28.4	10.5	0.67	1420	1.23	0.46	7.6	2.5	570	189.0
K292587		17.10	0.12	1.1	0.128	2.79	23.2	24.2	0.76	941	1.33	0.79	8.5	2.6	660	149.0
K292588		11.55	0.08	0.7	0.187	2.14	18.2	16.4	1.62	2130	2.50	0.03	4.8	2.5	380	295
K292589		16.40	0.12	1.1	0.188	3.17	26.0	18.4	0.79	1020	1.68	0.06	7.7	2.3	660	72.1
K292590		16.95	0.12	1.1	0.187	3.15	29.6	17.2	0.81	1050	1.76	0.06	8.2	2.3	650	80.5
K292591		15.05	0.14	1.4	0.129	3.18	34.1	12.9	0.66	684	1.44	1.22	8.3	2.1	480	50.9
K292592		15.70	0.15	1.1	0.093	2.80	32.0	11.3	0.78	551	2.01	1.95	7.6	2.6	570	24.9
K292593		16.65	0.14	1.1	0.108	2.64	26.3	13.2	0.77	670	1.39	1.66	8.3	2.7	650	19.0
K292594		14.05	0.11	1.0	0.136	2.81	29.9	16.2	0.72	631	1.22	0.74	6.6	2.3	490	40.5
K292595		16.60	0.15	0.9	0.133	3.09	24.8	13.0	0.75	690	2.06	1.26	7.7	2.8	670	20.7
K292596		16.15	0.17	1.0	0.113	2.81	27.1	12.5	0.80	591	3.47	1.99	7.9	2.7	610	17.7
K292597		15.85	0.14	1.0	0.157	2.81	23.6	19.8	0.85	569	2.01	1.57	7.9	2.5	630	18.0
K292598		16.45	0.15	1.0	0.123	2.56	26.7	17.8	0.76	666	1.80	1.30	8.1	2.7	650	19.8
K292599		16.20	0.13	1.0	0.125	2.60	27.4	17.7	0.77	667	1.89	1.30	7.9	2.6	650	20.0
K292600		15.40	0.09	1.0	0.245	2.43	25.4	22.6	0.71	832	3.58	0.53	7.4	2.5	570	36.4
K292601		16.65	0.14	0.9	0.110	2.49	26.7	12.7	0.90	608	1.59	1.73	8.0	2.7	660	15.1
K292602		16.85	0.10	1.1	0.127	2.96	26.8	31.1	0.68	709	1.63	0.08	8.2	3.2	660	58.1
K292603		13.30	0.08	0.8	0.259	2.63	20.7	11.2	0.87	1660	1.32	0.04	5.3	2.7	450	226
K292604		0.28	0.15	<0.1	0.006	0.03	0.6	1.2	12.15	190	0.07	0.01	0.2	1.4	150	1.6
K292605		18.15	0.17	1.1	0.183	2.84	26.8	37.4	0.50	815	1.83	0.07	8.7	2.3	740	102.5
K292606		16.65	0.12	0.9	0.139	2.52	27.9	29.3	0.54	1120	1.33	0.07	8.3	2.7	680	55.3
K292607		15.00	0.10	1.0	0.327	2.91	26.1	19.2	0.63	1180	1.51	0.05	6.8	2.4	610	1605
K292608		18.00	0.14	1.2	0.123	3.65	32.9	13.1	0.33	148	2.71	0.07	6.1	1.5	180	33.0
K292609		14.95	0.11	1.1	0.305	2.98	27.7	27.4	0.78	1860	14.65	0.15	6.1	14.1	510	488
K292610		16.40	0.11	1.2	0.182	3.50	31.1	26.3	0.26	477	2.19	0.07	7.3	2.4	690	29.1
K292611		15.75	0.11	1.2	0.198	3.73	31.5	15.6	0.34	431	1.62	0.06	6.8	1.9	550	31.8
K292612		0.31	0.21	<0.1	0.006	0.04	0.7	1.2	12.75	200	0.09	<0.01	0.3	1.5	200	1.5
K292613		14.95	0.15	1.2	0.112	3.85	32.1	8.8	0.34	327	3.47	0.11	6.7	2.2	380	21.7
K292614		13.15	0.09	1.2	0.106	3.55	27.3	7.2	0.38	471	20.6	0.07	6.3	2.7	470	25.0
K292615		15.15	0.09	1.1	0.790	2.92	23.9	20.3	0.78	1760	9.09	0.12	6.4	11.8	530	1305
K292616		13.95	0.10	1.2	0.125	3.29	27.4	12.4	0.56	643	11.10	0.06	6.5	2.4	480	27.9
K292617		12.20	0.10	0.9	0.118	2.83	22.6	14.4	0.59	1000	10.95	0.04	5.1	2.8	430	32.3
K292618		13.80	0.10	0.8	0.091	2.31	24.6	32.5	0.35	1020	5.90	0.04	5.3	2.5	480	54.8
K292619		15.15	0.12	0.9	0.119	3.35	22.8	6.4	0.42	193	25.5	0.06	4.1	2.5	440	64.8
K292620		14.30	0.11	1.1	0.159	3.32	27.3	12.4	0.77	1060	5.14	0.05	6.2	2.5	530	33.5

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112566

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292585		107.5	<0.002	0.10	4.21	10.8	1	1.7	195.0	0.65	0.07	14.45	0.251	1.34	3.8	68
K292586		167.5	<0.002	2.76	18.75	10.8	1	6.4	118.0	0.63	0.06	16.25	0.239	2.10	5.6	67
K292587		105.0	<0.002	0.55	8.01	12.2	1	2.3	205	0.69	<0.05	11.00	0.280	1.69	4.5	76
K292588		110.0	0.002	4.96	37.0	7.4	1	5.7	112.0	0.40	0.17	7.90	0.157	2.00	10.9	46
K292589		139.5	<0.002	0.90	12.45	11.7	1	4.7	75.3	0.63	0.17	12.85	0.266	2.26	4.3	76
K292590		150.5	0.002	1.12	15.45	11.9	1	5.5	76.9	0.65	0.19	14.55	0.266	2.29	4.7	74
K292591		129.5	<0.002	0.14	3.01	8.9	1	2.3	210	0.95	<0.05	23.0	0.203	1.61	7.7	54
K292592		108.0	<0.002	0.35	2.24	10.5	1	2.3	368	0.65	0.10	15.50	0.252	1.25	4.9	69
K292593		94.3	<0.002	0.29	3.31	12.4	1	2.1	327	0.65	0.09	13.55	0.279	1.26	4.1	78
K292594		140.0	<0.002	2.44	6.00	9.1	<1	5.5	155.0	0.61	0.19	19.40	0.211	1.58	4.8	59
K292595		129.5	<0.002	0.98	3.17	12.3	1	3.9	281	0.58	0.38	8.93	0.275	1.63	3.5	78
K292596		108.5	<0.002	0.19	2.68	11.1	1	2.1	369	0.61	<0.05	14.65	0.258	1.29	4.3	71
K292597		107.0	<0.002	0.27	3.58	11.4	1	2.7	305	0.62	0.15	11.65	0.272	1.49	3.6	76
K292598		99.3	<0.002	0.20	6.42	12.0	1	2.6	292	0.61	0.24	13.15	0.279	1.38	4.1	78
K292599		104.5	0.002	0.20	6.09	11.8	1	2.5	294	0.61	0.25	13.50	0.275	1.37	4.1	78
K292600		104.0	<0.002	0.45	8.36	10.6	1	2.9	127.5	0.61	0.14	13.25	0.240	1.63	4.2	69
K292601		108.0	<0.002	0.20	2.44	11.8	1	3.0	335	0.61	<0.05	12.80	0.276	1.55	4.0	79
K292602		136.5	<0.002	1.37	12.10	11.6	1	6.6	63.2	0.70	0.14	13.10	0.274	1.69	4.3	76
K292603		150.0	<0.002	5.29	51.0	8.9	1	11.9	44.6	0.45	0.41	9.92	0.175	1.58	4.0	59
K292604		1.8	<0.002	<0.01	0.14	0.2	<1	<0.2	45.9	<0.05	<0.05	0.11	<0.005	<0.02	0.4	2
K292605		129.0	<0.002	0.51	12.10	12.2	1	5.1	52.2	0.77	0.08	11.05	0.302	1.66	3.1	79
K292606		103.5	<0.002	0.21	10.40	13.1	1	2.7	65.8	0.65	0.07	12.70	0.290	1.35	1.9	80
K292607		172.5	<0.002	0.48	13.25	11.1	1	3.2	56.1	0.52	0.11	12.00	0.236	2.27	2.9	77
K292608		180.0	<0.002	1.69	7.75	11.0	1	15.6	30.5	0.51	0.63	8.44	0.203	2.16	1.8	72
K292609		159.0	0.002	2.69	27.2	9.3	1	5.5	105.5	0.51	0.27	11.25	0.201	2.44	5.0	65
K292610		159.0	<0.002	0.76	17.50	10.7	1	4.6	94.8	0.61	0.36	15.10	0.234	2.51	4.0	74
K292611		172.5	<0.002	1.51	14.20	10.9	1	9.0	52.4	0.60	0.45	16.05	0.218	2.56	4.5	71
K292612		2.0	<0.002	0.02	0.15	0.2	<1	0.2	46.1	<0.05	<0.05	0.18	<0.005	0.02	0.5	2
K292613		154.5	<0.002	2.50	2.91	11.1	2	11.2	58.3	0.54	1.34	12.40	0.215	2.20	5.9	74
K292614		139.0	<0.002	4.17	2.31	11.1	3	9.8	27.3	0.55	0.95	12.60	0.189	1.79	4.6	71
K292615		164.5	0.002	4.67	62.3	9.4	2	7.9	94.4	0.55	1.89	11.05	0.207	2.57	5.0	62
K292616		138.5	0.002	3.60	4.33	9.7	3	9.0	50.5	0.58	0.75	13.60	0.190	2.05	4.6	62
K292617		125.0	<0.002	4.32	11.10	8.9	3	5.8	43.1	0.44	3.41	11.40	0.160	2.01	5.3	56
K292618		112.5	<0.002	2.77	27.0	8.8	1	5.7	60.1	0.44	1.26	11.35	0.176	1.87	4.8	57
K292619		147.5	0.006	7.08	5.56	9.6	3	13.5	20.1	0.35	1.13	10.90	0.143	1.76	2.9	60
K292620		151.5	<0.002	2.66	8.79	10.2	2	5.6	60.4	0.52	0.25	13.35	0.200	2.54	4.1	67

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112566

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292585		2.8	14.7	37	28.0	<0.005
K292586		4.3	13.0	349	26.8	0.364
K292587		4.0	17.1	227	26.5	0.016
K292588		7.3	9.4	620	16.3	0.288
K292589		3.5	14.5	211	27.1	0.038
K292590		4.5	14.7	97	27.9	0.134
K292591		1.9	15.9	279	33.9	<0.005
K292592		1.4	16.7	54	27.3	0.048
K292593		1.7	18.4	48	25.9	0.005
K292594		2.9	11.6	91	23.7	0.882
K292595		2.4	15.6	54	23.3	0.023
K292596		2.4	16.6	48	25.7	0.006
K292597		2.4	16.2	53	24.3	0.011
K292598		2.6	17.2	54	25.5	0.010
K292599		2.5	17.6	56	25.5	0.008
K292600		2.8	13.3	79	25.6	0.034
K292601		1.7	16.1	57	25.9	0.081
K292602		5.6	14.1	171	27.6	0.256
K292603		5.9	8.7	997	18.4	0.977
K292604		0.1	0.7	17	<0.5	<0.005
K292605		9.8	15.6	183	23.9	0.026
K292606		10.8	16.2	135	24.4	0.013
K292607		5.3	14.6	1040	24.3	0.012
K292608		15.9	7.4	48	30.0	0.045
K292609		5.7	11.7	860	29.4	0.413
K292610		10.9	11.2	159	27.7	0.057
K292611		13.1	9.7	95	29.2	0.075
K292612		0.2	0.8	16	0.5	<0.005
K292613		20.5	11.1	70	29.7	0.022
K292614		28.6	14.4	67	27.7	0.029
K292615		6.1	11.6	2390	29.0	0.852
K292616		18.7	11.7	89	31.1	0.019
K292617		16.5	11.9	229	23.1	0.031
K292618		9.6	11.8	158	23.0	0.054
K292619		21.2	10.4	84	22.7	0.168
K292620		17.3	12.3	118	26.8	0.011

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112566

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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1016 - 510 W HASTINGS STREET
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Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112567

Project: Klaza

P.O. No.: Batch 27

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

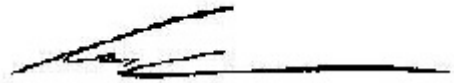
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16112567

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292621		1.62	9.07	5.58	548	320	1.03	12.80	3.53	2.86	35.6	4.9	7	6.73	1690	7.86
K292622		4.94	0.39	7.89	25.3	2150	1.63	0.97	1.97	0.43	43.9	7.9	12	19.55	48.7	3.33
K292623		4.26	0.84	6.58	22.2	140	1.17	2.99	1.64	0.66	34.6	12.1	11	10.75	29.4	8.33
K292624		3.54	2.02	7.16	34.8	860	1.31	8.84	1.40	0.57	49.3	5.7	9	13.10	31.1	6.05
K292625		1.44	1.86	6.57	139.0	240	0.95	6.17	0.62	0.40	41.2	9.6	9	4.40	14.6	9.48
K292626		6.04	0.03	0.08	0.8	30	0.06	0.10	20.8	0.11	1.31	0.6	1	0.47	2.8	0.48
K292627		2.84	0.79	7.14	45.6	720	1.06	2.63	1.63	0.53	51.2	9.3	9	9.48	31.9	5.81
K292628		3.86	0.61	7.38	50.9	1320	1.34	1.12	2.94	0.76	48.2	7.4	10	22.1	56.2	2.88
K292629		1.34	3.01	6.72	71.1	530	1.07	7.62	1.65	0.99	44.9	6.3	8	13.80	40.6	7.04
K292630		6.54	0.76	7.42	35.6	1080	1.31	2.99	2.39	0.36	54.0	5.9	9	17.00	32.0	3.55
K292631		0.36	4.91	6.98	693	520	1.22	3.50	2.18	10.90	51.3	11.5	26	13.60	319	4.97
K292632		8.68	0.42	7.80	29.4	1500	1.29	1.25	2.13	0.49	45.5	6.0	9	19.20	28.5	2.99
K292633		8.34	0.31	7.80	27.9	2280	1.32	0.83	2.53	0.56	52.4	5.6	10	19.40	19.7	3.62
K292634		5.48	0.36	7.95	23.3	1520	1.25	1.04	1.18	0.43	51.3	7.4	10	15.20	33.3	4.32
K292635		5.42	2.87	6.99	208	140	1.08	5.99	0.19	1.21	42.4	7.2	9	5.88	144.0	6.81
K292636		4.24	0.57	7.52	40.4	1970	1.29	1.01	2.08	1.01	46.2	6.4	12	15.05	92.2	2.99
K292637		<0.02	0.56	7.42	39.7	2090	1.34	0.93	2.02	0.92	44.0	6.5	9	14.85	96.8	2.93
K292638		6.36	0.33	7.81	9.9	2810	1.42	0.82	2.46	0.29	47.8	7.7	13	13.75	30.0	3.53
K292639		5.38	0.99	7.63	30.0	180	1.07	4.18	1.12	0.11	34.1	15.4	9	8.06	13.0	6.04
K292640		6.10	0.02	0.09	0.3	30	0.05	0.05	21.1	0.07	2.05	0.7	1	0.44	3.1	0.46
K292641		6.66	1.33	7.34	30.2	170	0.93	13.45	0.19	0.27	53.5	40.1	11	3.94	11.7	7.70
K292642		7.22	0.42	7.93	22.2	1320	1.12	10.10	1.37	0.29	60.9	7.9	9	14.50	35.0	3.81
K292643		2.86	0.36	8.21	22.8	1600	1.19	1.51	1.35	0.27	63.2	8.5	9	13.60	38.6	3.80
K292644		4.80	0.38	6.81	24.7	320	1.55	1.61	1.93	0.41	47.3	13.9	10	21.8	48.6	3.81
K292645		5.54	0.79	7.42	32.6	1430	1.68	2.62	1.97	0.40	50.2	7.7	8	15.05	279	3.66
K292646		3.02	0.48	7.22	25.2	1170	1.33	1.25	1.99	0.40	46.7	7.7	10	18.25	96.8	3.16
K292647		0.36	12.00	6.70	1505	920	1.49	12.90	1.94	33.7	48.9	18.2	20	13.75	297	6.73
K292648		8.18	0.50	7.50	24.1	1060	1.60	1.46	1.54	0.43	49.5	9.4	9	13.45	129.5	4.16
K292649		5.82	0.47	7.54	22.0	330	1.37	1.30	1.47	0.34	50.8	9.1	10	15.15	144.5	4.42
K292650		4.34	0.57	7.41	32.8	2130	1.85	1.35	2.06	0.64	49.9	9.2	13	16.30	182.0	3.34
K292651		5.66	0.44	6.99	38.1	870	1.25	0.82	1.79	0.87	51.7	8.2	12	14.25	114.0	3.08
K292652		3.48	0.53	5.40	57.1	400	1.26	1.44	3.02	0.58	45.6	10.8	11	14.40	37.2	3.75
K292653		5.02	0.37	6.86	28.2	480	1.48	1.44	2.46	0.76	53.2	8.7	9	13.85	46.5	4.26
K292654		3.56	0.40	6.84	26.5	880	1.54	1.09	2.10	0.66	44.1	6.5	10	15.85	49.8	3.50
K292655		3.80	0.36	6.83	24.3	480	1.37	1.40	2.27	0.79	52.2	5.9	13	11.35	31.9	4.43
K292656		5.36	0.66	6.13	84.1	390	1.26	2.05	1.77	0.77	39.7	7.3	9	11.40	15.8	6.31

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

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112567

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292621		12.10	0.08	0.8	0.305	2.66	18.8	8.5	1.52	1550	2.67	0.05	3.9	2.3	410	154.0
K292622		16.40	0.09	1.3	0.107	3.00	21.8	39.1	0.58	777	2.75	0.18	8.1	2.5	630	28.7
K292623		11.10	0.09	1.0	0.094	3.07	16.7	10.7	0.53	527	3.53	0.08	4.9	2.8	460	35.2
K292624		12.50	0.10	1.1	0.130	3.26	25.7	8.5	0.60	857	3.06	0.05	5.6	2.4	470	47.5
K292625		13.10	0.10	0.9	0.118	3.15	19.8	5.5	0.36	179	2.77	0.06	2.8	2.5	440	49.6
K292626		0.26	0.06	<0.1	<0.005	0.04	0.6	1.0	12.95	206	8.59	<0.01	0.2	1.4	260	2.1
K292627		13.25	0.09	1.0	0.161	3.43	27.7	5.5	0.76	680	5.00	0.05	4.3	2.4	540	42.9
K292628		15.45	0.09	1.2	0.081	3.23	25.7	16.3	1.10	1110	2.57	0.04	7.2	2.3	560	34.2
K292629		13.55	0.08	1.1	0.116	3.07	23.7	7.7	0.75	758	2.75	0.04	4.7	2.0	480	74.7
K292630		14.95	0.11	1.1	0.124	3.22	29.6	15.3	0.93	840	2.14	0.05	6.5	2.2	540	23.7
K292631		15.15	0.09	1.1	0.303	3.07	29.0	21.6	0.81	1890	15.05	0.15	6.0	14.1	520	490
K292632		15.30	0.10	0.9	0.124	3.42	25.2	15.0	0.88	684	4.64	0.04	5.7	2.6	580	24.9
K292633		15.20	0.10	0.9	0.112	3.16	27.7	30.7	1.06	933	2.06	0.06	6.9	2.3	610	23.7
K292634		15.90	0.10	0.9	0.157	3.28	28.1	18.4	0.72	888	2.35	0.05	6.3	2.7	600	24.8
K292635		16.45	0.09	1.0	0.146	3.43	21.3	7.9	0.40	134	2.08	0.06	3.3	2.4	440	119.5
K292636		16.20	0.09	1.3	0.070	3.28	24.0	20.9	0.69	556	1.77	0.25	7.3	2.1	550	48.9
K292637		16.20	0.09	1.3	0.067	3.27	22.3	23.4	0.67	594	1.64	0.23	7.6	2.0	550	47.1
K292638		16.30	0.10	1.2	0.089	3.18	24.4	15.0	0.81	546	1.67	1.19	7.6	2.8	600	26.2
K292639		14.55	0.09	0.9	0.087	3.42	16.7	9.9	0.68	434	2.17	0.07	4.4	2.4	580	12.2
K292640		0.31	0.11	<0.1	<0.005	0.04	1.4	1.0	13.30	197	0.09	<0.01	0.2	1.4	180	1.4
K292641		14.20	0.10	0.8	0.100	3.53	26.8	4.8	0.41	137	3.01	0.07	2.9	3.3	480	34.6
K292642		16.45	0.09	0.9	0.160	3.47	33.2	16.0	0.65	637	2.95	0.06	5.6	2.0	600	17.8
K292643		17.00	0.10	0.9	0.188	3.52	35.3	16.4	0.71	613	2.91	0.06	5.9	2.0	620	16.3
K292644		14.65	0.13	0.8	0.104	2.53	25.2	37.0	0.60	522	7.37	0.05	6.3	4.8	550	27.5
K292645		15.45	0.14	0.8	0.148	2.54	26.8	38.4	0.62	522	6.64	0.09	7.2	2.8	660	31.9
K292646		15.50	0.11	1.0	0.092	2.43	24.2	39.6	0.70	670	3.39	0.06	7.5	2.6	590	22.0
K292647		15.30	0.12	1.1	0.831	2.96	26.4	20.1	0.79	1820	9.61	0.13	6.7	13.2	540	1350
K292648		15.40	0.13	0.9	0.126	2.99	26.6	35.4	0.65	503	3.99	0.09	7.0	2.7	580	22.6
K292649		14.60	0.13	0.9	0.129	2.43	27.5	39.6	0.60	630	4.28	0.06	7.0	2.5	600	24.0
K292650		15.30	0.12	1.0	0.095	2.76	26.6	24.3	0.76	372	6.99	0.60	7.1	2.7	580	35.5
K292651		14.05	0.11	1.0	0.058	2.53	29.0	39.0	0.66	674	9.35	0.05	6.4	2.6	540	46.7
K292652		11.60	0.12	0.8	0.108	2.41	26.2	32.6	0.73	883	12.00	0.04	4.5	3.3	400	63.4
K292653		14.35	0.13	0.9	0.118	2.90	30.1	22.9	0.76	965	6.55	0.05	5.4	2.7	540	25.6
K292654		14.85	0.12	1.0	0.079	2.74	22.4	27.3	0.70	879	4.72	0.05	6.7	2.7	560	29.3
K292655		13.50	0.12	0.9	0.186	3.32	28.4	13.5	0.96	671	9.55	0.05	3.9	2.9	490	46.1
K292656		12.50	0.12	0.9	0.177	2.96	21.2	13.8	0.85	1020	7.38	0.04	4.2	3.0	450	59.4

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112567

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292621		122.5	<0.002	6.96	83.9	7.0	1	11.8	59.0	0.32	0.24	9.15	0.131	1.74	3.3	48
K292622		112.5	<0.002	1.35	12.75	9.9	1	3.1	127.0	0.67	0.08	12.55	0.258	2.06	8.5	70
K292623		120.0	<0.002	8.07	4.90	8.3	5	5.6	61.6	0.42	0.22	9.59	0.160	1.70	5.1	60
K292624		142.5	<0.002	4.79	6.33	8.9	2	8.3	56.9	0.48	0.51	11.60	0.180	2.05	6.5	62
K292625		134.0	<0.002	>10.0	3.18	8.5	3	8.9	19.8	0.24	0.51	9.77	0.106	1.65	3.0	63
K292626		2.3	<0.002	0.03	0.08	0.2	<1	0.2	48.2	<0.05	<0.05	0.12	<0.005	0.03	1.1	2
K292627		165.5	<0.002	5.29	6.44	9.6	2	6.5	52.7	0.37	0.45	11.30	0.169	2.44	3.4	69
K292628		118.0	<0.002	1.09	15.80	9.0	1	2.5	87.8	0.62	0.33	11.90	0.233	2.97	5.5	63
K292629		150.0	<0.002	6.19	9.95	8.3	3	6.1	52.9	0.42	0.61	11.10	0.163	2.50	4.9	56
K292630		142.0	<0.002	1.81	11.30	9.3	1	5.2	80.4	0.56	1.08	12.90	0.207	2.59	4.7	61
K292631		166.0	0.004	2.73	28.1	8.6	1	5.4	109.5	0.49	0.32	10.95	0.204	2.44	4.9	65
K292632		158.0	<0.002	1.75	16.45	9.8	1	3.0	60.6	0.46	0.13	12.90	0.196	2.97	3.6	65
K292633		132.5	<0.002	1.42	14.70	10.2	1	3.8	98.1	0.53	0.09	11.75	0.245	2.49	5.1	71
K292634		162.5	<0.002	1.88	12.15	10.7	1	6.2	59.7	0.49	0.09	12.95	0.224	2.60	4.8	70
K292635		182.0	<0.002	7.32	34.9	8.7	2	11.4	11.7	0.33	0.51	10.35	0.120	2.20	2.8	60
K292636		133.5	<0.002	1.37	11.85	9.0	1	3.6	117.5	0.67	0.19	13.60	0.215	2.47	6.3	62
K292637		126.5	<0.002	1.26	12.80	8.9	1	3.3	118.0	0.68	0.20	12.85	0.223	2.43	6.4	62
K292638		122.5	<0.002	1.05	3.31	10.6	1	3.0	267	0.61	0.10	12.00	0.251	1.89	4.1	71
K292639		147.0	<0.002	5.66	4.10	9.5	3	11.4	51.1	0.34	1.82	10.00	0.156	1.93	3.6	63
K292640		2.5	<0.002	0.01	0.27	0.2	<1	<0.2	49.6	<0.05	<0.05	0.16	<0.005	0.03	0.7	2
K292641		139.5	<0.002	7.89	3.90	9.1	4	15.6	19.5	0.24	6.22	9.62	0.108	1.68	2.7	63
K292642		150.5	<0.002	1.88	7.97	9.5	1	7.9	66.5	0.44	5.35	11.95	0.192	2.33	3.2	66
K292643		158.5	0.002	1.83	8.48	10.2	1	8.4	63.7	0.47	0.42	12.35	0.201	2.46	3.0	69
K292644		92.3	0.004	2.64	25.7	9.7	2	4.3	82.3	0.49	0.45	9.36	0.203	1.76	3.4	66
K292645		100.0	<0.002	1.46	26.4	10.8	2	4.0	99.2	0.56	0.99	12.10	0.241	1.60	4.0	73
K292646		80.2	<0.002	1.04	39.8	9.8	2	3.4	83.4	0.64	0.23	12.10	0.240	1.58	4.8	68
K292647		172.0	<0.002	4.76	66.6	9.5	2	8.3	98.9	0.55	1.04	11.55	0.212	2.71	5.2	64
K292648		113.0	0.002	1.82	24.1	10.2	2	4.8	81.1	0.58	0.43	13.05	0.222	1.81	5.4	67
K292649		100.5	0.002	2.41	34.7	10.1	3	5.2	110.0	0.55	0.35	13.30	0.223	1.47	10.8	68
K292650		103.5	<0.002	1.27	21.5	9.9	2	3.9	154.5	0.60	0.50	14.15	0.223	1.68	7.4	65
K292651		113.0	<0.002	1.70	52.9	9.3	2	3.7	87.6	0.56	0.14	13.50	0.205	2.10	9.5	63
K292652		112.0	0.002	2.72	48.0	7.7	3	4.5	64.0	0.37	0.40	9.63	0.143	2.11	10.2	52
K292653		132.5	<0.002	2.93	23.4	9.8	2	4.3	71.3	0.42	0.34	11.60	0.186	2.33	5.8	66
K292654		94.4	<0.002	1.88	24.8	9.2	2	3.0	74.8	0.55	0.25	11.60	0.209	2.31	9.6	66
K292655		161.5	<0.002	3.50	22.8	9.5	2	4.6	44.8	0.35	0.23	12.30	0.144	2.73	7.6	63
K292656		143.0	<0.002	5.53	18.65	8.4	3	9.0	36.3	0.35	0.23	9.71	0.138	2.37	5.5	57

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112567

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292621		15.3	8.2	282	19.1	0.653
K292622		4.8	13.5	116	34.7	0.017
K292623		21.8	10.9	97	25.3	0.038
K292624		21.2	11.7	106	26.8	0.022
K292625		13.4	8.3	43	22.6	0.209
K292626		0.2	0.7	20	<0.5	<0.005
K292627		19.1	10.6	97	25.8	0.054
K292628		4.5	12.7	110	30.2	0.026
K292629		7.3	12.5	130	26.1	0.128
K292630		7.6	12.3	82	29.1	0.024
K292631		5.4	11.5	869	29.6	0.348
K292632		8.1	11.9	82	23.8	0.017
K292633		7.9	12.1	106	21.3	0.015
K292634		9.1	11.4	118	23.6	0.017
K292635		7.1	8.8	88	25.7	0.226
K292636		2.9	14.0	138	34.0	0.012
K292637		2.8	13.6	134	34.3	0.012
K292638		3.3	14.4	73	29.9	0.007
K292639		14.2	8.3	38	21.7	0.045
K292640		0.1	0.8	18	<0.5	<0.005
K292641		15.6	9.5	45	20.6	0.070
K292642		5.7	12.4	78	24.0	0.071
K292643		5.5	12.2	75	24.2	0.123
K292644		10.0	12.2	89	22.4	0.012
K292645		6.0	13.1	87	23.6	0.093
K292646		7.9	13.2	84	26.9	0.010
K292647		6.3	11.5	2430	30.0	0.873
K292648		7.5	13.1	96	23.9	0.022
K292649		15.1	13.7	87	25.1	0.020
K292650		3.7	12.5	94	27.1	0.035
K292651		4.2	13.2	129	26.0	0.025
K292652		6.7	12.3	88	27.3	0.042
K292653		8.9	14.0	108	24.5	0.014
K292654		7.3	12.3	99	28.4	0.012
K292655		12.2	11.9	101	24.5	0.017
K292656		13.5	10.2	93	23.4	0.086

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112567

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112568

Project: Klaza

P.O. No.: Batch 28

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

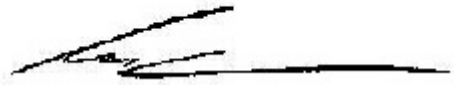
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 25-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16112568

Sample Description	Method	WEI-21	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290545		1.94		0.11	8.31	12.3	2400	1.17	0.08	1.03	0.49	47.7	6.7	8	15.50	6.7
K290546		2.42		1.01	7.74	22.1	1750	1.33	0.13	1.71	9.13	51.8	7.0	8	17.05	10.2
K290547		2.60		0.47	7.90	11.4	1720	1.26	0.14	0.62	4.52	51.7	4.1	10	9.93	4.1
K290548		0.24		12.30	6.70	1535	620	1.43	12.70	1.94	32.3	46.2	17.1	19	13.80	286
K290549		2.02		0.37	7.53	18.2	1950	1.25	0.11	1.45	2.56	47.6	4.9	11	13.10	4.0
K290550		2.38		0.92	7.15	28.3	920	1.70	0.16	2.19	9.70	55.6	5.7	10	23.3	5.6
K290551		3.02		0.56	7.60	43.0	470	1.66	0.07	2.47	2.01	47.8	4.7	9	23.4	5.5
K290552		3.72		2.85	7.01	649	1870	1.57	0.06	1.82	8.25	50.2	6.3	9	23.2	140.5
K290553		8.26		3.26	7.34	15.0	2190	1.55	0.08	2.14	4.96	50.6	6.1	10	19.85	20.8
K290554		3.22		3.49	7.64	14.1	2160	1.66	0.08	2.28	4.35	51.6	5.9	9	20.5	23.9
K290555		2.02		7.13	6.97	20.5	1810	1.50	0.29	2.23	11.15	48.2	7.3	9	16.35	24.2
K290556		2.02		1.11	7.23	8.2	2410	1.44	0.07	2.80	3.46	48.4	5.8	10	10.85	9.6
K290557		2.20		0.30	7.78	8.9	2360	1.54	0.09	2.95	0.56	52.2	6.5	10	13.65	4.3
K290558		1.96		0.14	7.54	8.3	2570	1.66	0.12	2.69	0.16	49.7	4.5	9	13.45	2.0
K290559		1.96		0.19	7.37	17.8	1830	1.55	0.10	2.38	0.17	48.1	3.5	10	26.3	2.1
K290560		2.44		1.45	7.73	56.9	1200	1.80	0.13	2.71	8.28	54.8	3.4	9	25.5	7.0
K290561		4.92		0.01	0.08	<0.2	20	0.05	0.03	21.1	0.08	1.25	0.8	1	0.25	2.0
K290562		1.18		8.14	6.86	55.0	1620	1.41	0.90	0.82	54.1	45.5	4.3	8	10.65	33.4
K290563		10.78		0.77	6.87	20.0	1640	1.51	0.23	2.63	3.45	46.8	5.2	10	16.05	4.9
K290564		0.34		4.13	6.33	676	470	1.23	3.24	1.97	9.98	46.0	12.0	24	12.65	295
K290565		2.72		2.73	7.28	177.0	570	1.36	0.27	1.84	14.70	55.9	4.4	9	14.95	14.1
K290566		2.40	1.115	50.7	7.24	3250	350	1.43	1.64	1.41	139.0	48.6	3.8	11	15.20	513
K290567		1.98		14.40	6.38	844	310	1.15	3.15	1.20	84.4	50.4	4.0	9	11.10	71.8
K290568		1.98		0.53	6.93	14.5	2450	1.33	0.14	2.46	1.59	45.2	2.9	13	16.70	3.4
K290569		<0.02		0.53	7.06	19.4	2400	1.34	0.15	2.46	1.82	45.8	2.9	13	16.80	4.5
K290570		2.86		0.45	6.95	14.0	2740	1.35	0.28	2.71	3.05	48.4	4.8	10	13.15	7.0
K290571		1.88		10.35	6.79	59.7	1050	1.33	4.55	1.26	30.6	47.8	5.3	14	12.25	29.9
K290572		1.88		0.29	7.38	11.4	2860	1.24	0.18	1.73	1.08	40.8	6.9	10	15.10	4.7
K290573		3.34		4.51	7.13	27.4	2200	1.31	0.47	1.73	15.00	53.5	11.5	12	15.70	132.5
K290574		7.72		0.15	7.18	21.0	1800	1.20	0.15	1.78	0.27	36.4	6.1	10	20.2	3.5
K290575		2.20		3.68	6.89	175.5	960	1.76	0.41	1.47	44.4	52.6	7.3	10	20.5	56.0
K290576		6.08		0.04	0.07	1.0	30	0.06	0.02	21.0	0.22	1.51	0.7	1	0.23	2.1
K290577		2.76		0.20	7.32	41.2	1760	1.43	0.08	2.58	0.83	44.2	9.2	9	28.1	5.5
K290578		2.18		0.08	7.85	12.7	1820	1.13	0.06	1.05	0.25	54.5	6.2	10	26.2	5.9
K290579		1.58		0.15	7.28	14.4	1080	1.52	0.23	1.95	3.26	41.3	12.6	9	8.51	7.6
K290580		1.80		2.88	6.79	133.0	700	1.37	3.65	0.46	4.97	43.4	10.7	8	7.22	23.3

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112568

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290545		2.61	17.85	0.12	1.5	0.041	2.20	24.2	35.5	0.41	865	0.76	0.06	9.2	2.4	620
K290546		3.19	16.80	0.11	1.5	0.073	2.87	27.0	28.6	0.70	1320	0.86	0.06	8.7	2.4	590
K290547		2.58	16.05	0.11	1.2	0.068	2.37	27.7	46.1	0.32	854	0.86	0.06	8.2	2.0	600
K290548		6.57	14.95	0.11	1.1	0.776	2.94	24.8	19.8	0.79	1800	8.62	0.12	6.4	12.0	530
K290549		2.21	15.40	0.10	1.3	0.045	2.62	25.3	45.4	0.50	997	0.84	0.06	8.8	2.5	610
K290550		2.56	16.45	0.13	1.2	0.065	2.91	30.0	70.9	0.75	1060	2.41	0.05	7.9	2.3	570
K290551		2.61	16.55	0.12	1.3	0.043	2.29	24.7	91.1	0.82	1390	0.85	0.03	8.3	2.1	580
K290552		4.01	15.20	0.11	1.1	0.049	3.23	28.0	20.4	0.79	2030	0.88	0.05	7.2	2.3	520
K290553		3.71	15.70	0.11	1.3	0.046	3.03	27.3	18.5	0.76	1340	0.82	1.11	7.7	2.3	570
K290554		3.90	16.40	0.13	1.3	0.042	3.13	28.0	18.2	0.80	1400	0.74	1.25	8.1	2.3	590
K290555		3.97	15.20	0.11	1.2	0.082	2.99	25.3	24.9	0.78	1500	0.88	0.85	7.6	2.3	590
K290556		2.90	15.30	0.14	1.2	0.045	3.19	25.8	7.5	0.70	1140	0.82	1.57	7.3	2.4	550
K290557		3.21	16.15	0.16	1.3	0.056	2.94	27.7	9.1	0.82	1160	1.36	1.93	8.6	2.4	700
K290558		2.94	16.70	0.14	1.3	0.055	2.89	26.7	7.4	0.80	565	1.07	2.39	8.9	2.5	680
K290559		2.54	15.80	0.15	1.2	0.035	3.38	26.5	25.1	0.65	765	0.97	0.29	7.5	1.9	550
K290560		3.16	16.30	0.14	1.1	0.048	3.18	32.3	19.3	0.97	1830	1.03	0.04	7.7	2.0	570
K290561		0.50	0.32	0.27	<0.1	0.005	0.03	0.6	1.0	12.80	223	0.18	0.01	0.2	1.6	170
K290562		5.55	15.35	0.09	0.9	0.194	3.30	25.5	8.0	0.62	2630	4.25	0.03	6.5	2.2	510
K290563		2.41	15.50	0.11	1.1	0.098	3.35	24.2	20.0	0.85	1110	5.71	0.04	7.5	2.6	560
K290564		4.63	13.90	0.10	1.0	0.283	2.81	26.0	24.0	0.74	1720	12.25	0.14	5.9	14.2	480
K290565		5.45	16.35	0.12	1.1	0.165	3.40	31.0	7.4	0.90	3930	1.46	0.03	7.9	2.5	550
K290566		5.15	16.20	0.09	1.1	0.434	3.36	26.8	8.2	0.73	1860	1.17	0.02	7.2	2.4	530
K290567		5.50	14.35	0.08	0.9	0.592	3.10	28.4	8.1	0.67	1660	1.07	0.02	6.6	2.3	480
K290568		2.83	15.95	0.14	1.1	0.053	3.93	23.5	18.8	0.65	918	1.20	0.71	8.0	2.2	580
K290569		2.79	15.65	0.12	1.1	0.049	3.94	24.5	18.4	0.66	919	1.25	0.67	7.7	2.1	570
K290570		3.18	15.70	0.12	1.2	0.112	4.06	24.6	9.0	0.66	1390	2.87	0.98	8.0	2.3	580
K290571		5.85	14.80	0.10	1.0	0.297	3.28	25.7	56.0	0.75	2550	1.19	0.04	6.8	2.4	510
K290572		2.86	17.05	0.11	1.1	0.049	4.37	20.4	29.5	0.50	1060	1.98	0.11	8.5	2.5	610
K290573		3.99	15.70	0.11	1.0	0.100	3.58	28.3	37.4	0.74	1510	1.48	0.07	7.6	3.9	560
K290574		2.70	16.70	0.10	1.3	0.054	3.06	17.6	38.4	0.55	673	0.73	0.14	8.6	2.3	580
K290575		5.05	15.15	0.12	1.0	0.386	3.14	28.7	22.0	0.80	2190	1.06	0.04	7.1	2.5	500
K290576		0.48	0.27	0.20	<0.1	0.007	0.03	0.7	1.1	12.85	210	0.18	<0.01	0.2	1.6	170
K290577		3.03	16.30	0.19	1.3	0.052	2.87	21.5	61.6	0.82	861	0.67	0.09	9.0	2.4	620
K290578		2.61	16.50	0.15	1.3	0.041	2.57	29.0	65.6	0.41	716	0.73	0.08	8.7	2.2	660
K290579		3.65	15.60	0.13	1.2	0.092	3.77	21.0	8.8	0.55	3210	0.46	0.04	7.3	3.1	610
K290580		5.42	14.50	0.10	1.0	0.247	3.39	23.3	7.1	0.40	1840	0.66	0.03	6.1	2.6	470

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

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112568

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K290545		15.4	94.3	<0.002	0.15	15.10	11.3	1	1.6	63.4	0.84	<0.05	14.95	0.267	1.03	3.5
K290546		159.0	113.5	<0.002	0.22	13.55	10.9	1	1.8	70.5	0.84	<0.05	14.10	0.251	1.74	4.0
K290547		220	104.5	<0.002	0.17	25.2	9.8	1	1.7	59.4	0.67	<0.05	13.85	0.253	1.30	3.7
K290548		1310	164.5	<0.002	4.68	63.3	9.4	1	7.5	95.3	0.55	1.21	11.45	0.210	2.58	5.1
K290549		99.6	102.0	<0.002	0.18	29.0	10.0	<1	1.7	91.4	0.70	<0.05	12.40	0.260	1.49	4.1
K290550		346	115.0	<0.002	0.34	13.45	10.4	1	1.9	100.0	0.67	<0.05	11.95	0.238	2.29	6.2
K290551		161.0	93.7	<0.002	0.17	12.80	10.8	1	1.8	153.5	0.69	<0.05	13.00	0.253	2.43	4.7
K290552		443	139.5	<0.002	0.46	29.5	9.8	<1	2.6	73.8	0.58	<0.05	12.55	0.227	2.54	4.4
K290553		982	127.0	<0.002	0.17	9.74	10.5	1	2.1	219	0.64	<0.05	12.85	0.243	1.85	4.2
K290554		963	131.5	<0.002	0.15	10.05	10.9	1	2.2	239	0.66	<0.05	13.65	0.253	1.89	4.2
K290555		3470	126.0	<0.002	0.35	11.20	11.3	<1	2.3	192.5	0.61	<0.05	12.05	0.246	2.17	4.2
K290556		533	123.0	<0.002	0.08	4.36	10.0	1	1.5	293	0.62	<0.05	12.10	0.240	1.63	4.1
K290557		68.4	119.5	<0.002	0.06	3.57	12.2	1	1.9	328	0.69	<0.05	12.60	0.298	1.39	5.1
K290558		32.0	105.5	<0.002	0.03	2.38	10.7	1	2.0	378	0.72	<0.05	12.50	0.288	1.32	4.9
K290559		16.7	127.5	<0.002	0.17	6.39	9.6	1	1.5	132.5	0.66	<0.05	12.30	0.247	2.18	4.1
K290560		705	148.5	<0.002	0.60	8.07	10.2	1	2.1	87.6	0.65	<0.05	13.60	0.250	2.99	5.6
K290561		3.3	1.6	<0.002	0.01	0.08	0.2	<1	<0.2	45.8	<0.05	<0.05	0.19	<0.005	0.02	0.9
K290562		3610	182.5	<0.002	1.18	11.25	10.5	1	2.9	21.3	0.51	0.10	12.30	0.197	3.00	3.7
K290563		119.0	147.5	<0.002	0.43	6.42	9.4	1	1.8	93.1	0.61	0.05	11.35	0.229	2.97	7.2
K290564		446	157.0	0.002	2.52	25.9	8.6	1	5.2	103.5	0.49	0.29	10.70	0.191	2.35	5.0
K290565		986	207	<0.002	2.63	11.50	10.6	1	3.6	39.2	0.64	<0.05	12.85	0.240	3.46	5.1
K290566		>10000	206	<0.002	3.67	98.6	9.9	1	6.1	38.3	0.58	<0.05	12.75	0.224	3.39	6.5
K290567		5270	218	<0.002	3.93	22.3	9.0	1	3.9	26.1	0.52	0.05	11.35	0.205	3.03	10.4
K290568		150.5	175.5	<0.002	0.12	4.84	9.9	1	2.0	192.0	0.62	0.10	11.70	0.248	2.65	4.7
K290569		180.0	178.5	<0.002	0.13	4.87	9.8	1	1.9	186.0	0.63	0.05	11.60	0.244	2.58	4.5
K290570		188.5	178.5	<0.002	0.25	4.25	10.5	1	1.9	213	0.63	<0.05	11.95	0.252	2.79	4.9
K290571		1490	185.0	<0.002	1.27	7.57	9.5	1	3.0	59.4	0.55	0.09	12.15	0.216	2.97	4.7
K290572		73.6	179.0	<0.002	0.13	9.72	10.4	1	1.9	138.5	0.67	<0.05	11.85	0.262	2.61	4.1
K290573		1135	171.0	<0.002	0.74	25.6	10.7	1	2.1	108.0	0.62	0.07	12.55	0.235	2.55	5.8
K290574		26.1	114.5	<0.002	0.09	12.70	10.1	1	1.7	114.0	0.69	<0.05	11.10	0.256	1.75	4.5
K290575		1075	180.0	<0.002	1.64	18.85	9.3	1	2.9	69.9	0.58	<0.05	12.30	0.212	2.76	7.0
K290576		9.4	2.0	<0.002	<0.01	0.19	0.2	1	<0.2	52.8	<0.05	<0.05	0.13	<0.005	0.02	0.7
K290577		52.1	103.0	<0.002	0.16	14.80	10.7	1	1.8	117.5	0.70	<0.05	12.05	0.267	1.89	4.5
K290578		19.7	118.0	<0.002	0.07	35.8	10.7	1	1.6	94.0	0.70	<0.05	14.70	0.256	1.19	3.0
K290579		14.1	208	<0.002	0.37	4.17	10.7	1	2.0	47.0	0.56	0.07	11.65	0.230	3.37	5.0
K290580		285	219	<0.002	2.09	7.80	9.3	<1	5.0	14.7	0.49	0.10	11.60	0.187	3.04	5.3

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Finalized Date: 25-JUL-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16112568

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K290545		65	12.1	16.1	109	37.4	0.006
K290546		71	5.3	17.7	676	36.9	0.009
K290547		58	5.8	12.8	454	32.3	0.006
K290548		62	6.2	11.5	2390	28.5	0.879
K290549		55	4.1	13.8	289	32.3	0.016
K290550		69	2.4	15.6	724	30.8	0.011
K290551		70	3.2	16.5	266	33.6	0.011
K290552		62	7.1	15.6	652	29.2	0.119
K290553		67	4.4	15.8	399	32.0	0.014
K290554		69	4.7	16.0	354	35.9	0.026
K290555		70	3.8	14.5	826	29.8	0.024
K290556		64	3.1	16.4	262	31.5	0.010
K290557		83	3.5	18.9	84	32.6	<0.005
K290558		78	1.5	17.2	47	32.7	<0.005
K290559		66	2.0	14.0	49	29.6	0.010
K290560		67	4.3	14.0	602	30.6	0.076
K290561		2	0.1	0.8	19	<0.5	<0.005
K290562		62	3.7	7.7	3770	23.7	0.434
K290563		65	2.9	14.0	266	30.4	<0.005
K290564		62	5.1	11.5	814	27.7	0.340
K290565		68	5.7	11.1	1060	29.6	0.082
K290566		65	5.2	10.3	9950	28.9	3.96
K290567		59	5.0	10.3	5590	24.5	0.243
K290568		70	2.4	14.1	147	30.7	0.013
K290569		70	2.3	13.8	172	28.6	0.012
K290570		73	2.7	15.7	264	31.5	<0.005
K290571		62	7.9	10.7	2260	25.8	0.223
K290572		75	2.6	13.6	139	31.2	<0.005
K290573		74	2.9	13.4	1130	27.5	0.036
K290574		71	3.5	12.7	70	36.6	<0.005
K290575		60	8.6	13.4	3060	32.9	0.203
K290576		2	0.1	0.9	25	<0.5	<0.005
K290577		73	3.4	16.8	96	34.8	<0.005
K290578		68	4.3	16.8	56	36.8	<0.005
K290579		69	2.4	16.5	274	31.8	<0.005
K290580		61	4.8	8.4	527	28.1	0.058

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

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

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

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112568

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112569

Project: Klaza

P.O. No.: Batch 29

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

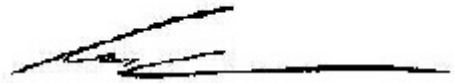
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112569

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K292657		6.12	0.27	7.00	13.9	210	1.26	1.43	1.91	0.36	43.6	7.4	12	12.90	19.3	5.59
K292658		4.66	0.29	7.24	14.3	860	1.24	0.99	1.94	0.77	51.2	7.3	10	11.45	38.9	4.05
K292659		6.22	0.39	7.04	14.7	230	1.30	1.38	1.78	0.94	48.9	7.9	13	12.20	28.5	4.88
K292660		5.48	0.32	7.07	24.9	350	1.50	1.87	1.06	0.40	65.1	15.8	11	10.55	47.1	4.55
K292661		4.70	0.48	7.20	24.1	1000	1.38	0.97	1.55	0.90	50.1	7.2	9	16.80	48.5	3.27
K292662		4.02	0.41	7.13	31.2	990	1.40	1.01	2.14	1.91	42.6	10.9	10	15.20	39.8	3.29
K292663		2.06	0.62	6.77	92.6	400	1.85	2.17	1.26	3.45	43.2	7.6	8	10.30	626	4.80
K292664		1.32	0.14	7.72	99.9	2010	1.53	0.31	1.25	4.28	57.3	8.3	10	22.7	10.9	2.92
K292665		1.52	0.21	7.89	118.0	1210	1.64	0.33	1.11	7.18	49.4	7.9	8	25.5	8.2	2.90
K292666		0.54	0.15	7.73	112.0	1380	1.51	0.25	1.10	7.12	52.1	7.4	9	25.0	8.9	2.75
K292667		1.06	3.20	7.43	519	800	1.71	0.53	0.28	33.8	56.3	8.5	8	19.70	55.0	4.98
K292668		1.46	1.27	7.46	187.0	930	1.58	0.61	1.26	31.8	51.1	6.7	8	20.3	28.4	5.07
K292669		1.28	1.04	7.59	73.4	1330	1.48	1.78	1.67	15.10	42.0	8.2	9	22.1	11.5	4.43
K292670		2.76	0.16	7.63	18.1	2730	1.43	0.29	1.47	0.66	49.3	7.0	16	17.45	4.1	3.22
K292671		0.34	4.40	6.66	714	430	1.25	3.55	2.08	10.40	48.2	12.8	25	13.00	306	4.90
K292672		5.02	0.94	7.18	27.1	1360	1.21	0.32	1.37	8.38	44.7	5.2	11	13.75	4.1	2.93
K292673		5.06	3.16	6.94	513	610	1.46	2.43	0.89	21.2	47.6	5.4	9	28.2	114.0	5.83
K292674		2.62	51.8	4.45	837	100	1.12	66.9	2.69	104.0	32.0	4.6	5	5.55	1460	8.75
K292675		6.10	0.10	0.10	1.4	40	0.08	0.19	20.5	0.24	1.46	0.8	1	0.29	3.8	0.47
K292676		1.74	40.0	5.31	1005	300	1.26	44.2	0.57	11.15	26.7	12.0	6	9.22	2390	9.39
K292677		2.74	1.82	7.50	147.0	1490	1.93	2.55	1.95	9.28	48.4	5.4	9	12.80	68.4	3.69
K292678		2.58	13.20	6.70	292	300	1.56	7.55	0.74	28.8	27.8	14.5	9	8.02	215	6.21
K292679		2.14	2.80	6.98	159.0	1360	1.62	2.68	2.36	14.30	37.0	3.9	8	13.85	174.5	3.38
K292680		<0.02	2.27	7.10	150.0	1360	1.65	2.39	2.34	13.55	40.4	3.9	9	14.00	158.0	3.36
K292681		4.04	0.25	6.63	76.0	2380	1.49	0.32	3.07	1.19	43.0	3.7	8	11.45	10.5	2.48
K292682		3.20	0.20	7.88	16.0	1310	1.78	0.82	1.52	0.90	80.2	4.2	12	9.37	4.2	2.80
K292683		0.34	11.60	6.48	1515	600	1.45	11.00	1.88	30.9	42.4	16.3	18	13.10	281	6.32
K292684		1.54	0.29	7.19	36.9	1210	1.67	0.61	2.25	1.02	56.5	4.5	9	13.85	5.8	2.86
K292685		3.24	3.12	6.25	569	750	1.50	2.78	1.71	9.34	63.9	1.8	10	14.10	38.4	3.35
K292686		1.62	0.68	7.87	45.3	670	1.90	0.56	2.35	9.55	42.4	1.4	9	13.75	9.8	3.47
K292687		1.70	1.22	6.96	671	1390	1.59	0.49	1.91	8.84	31.5	1.4	12	8.76	5.3	4.24
K292688		2.76	1.05	6.80	110.0	870	1.65	1.63	2.83	1.32	28.1	1.9	11	9.64	2.1	1.94
K292689		6.10	0.01	0.08	1.1	600	0.07	0.03	20.7	0.08	1.25	0.7	1	0.20	2.0	0.45
K292690		7.26	0.22	6.96	15.3	760	1.86	0.37	3.40	0.53	33.2	2.0	11	9.47	1.7	1.58
K292691		6.94	0.18	6.51	11.8	590	1.99	0.37	2.94	0.20	26.6	2.2	10	9.60	1.4	1.52
K292692		3.30	0.34	6.57	9.4	490	1.86	0.54	3.33	0.56	36.9	3.4	9	7.65	1.9	1.43

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K292657		13.15	0.11	1.0	0.205	3.07	22.6	18.7	0.71	777	6.07	0.05	5.8	2.7	500	20.5
K292658		14.30	0.12	1.2	0.138	2.71	28.4	27.0	0.77	785	5.25	0.05	6.8	2.7	550	26.0
K292659		13.65	0.11	1.2	0.145	3.19	26.2	22.8	0.69	827	6.23	0.06	5.9	2.8	520	30.3
K292660		14.90	0.12	1.1	0.231	3.35	36.0	17.6	0.63	625	1.80	0.05	4.6	3.4	490	20.7
K292661		14.90	0.10	1.2	0.131	3.11	28.0	23.9	0.63	1040	7.44	0.04	5.9	2.5	450	49.7
K292662		15.60	0.11	1.1	0.157	3.34	22.5	19.0	0.69	724	2.68	0.07	6.4	3.0	560	50.3
K292663		13.00	0.09	0.8	0.150	2.94	23.7	20.7	0.65	883	4.66	0.05	3.5	4.2	520	113.0
K292664		16.65	0.12	1.3	0.049	3.14	31.3	18.8	0.43	642	1.25	1.30	8.2	3.0	580	19.3
K292665		16.85	0.11	1.4	0.051	2.45	25.7	60.9	0.39	1340	1.47	0.04	8.5	3.1	610	36.2
K292666		16.50	0.11	1.3	0.045	2.52	28.2	51.5	0.41	1280	1.31	0.04	8.4	3.3	600	25.2
K292667		17.35	0.11	1.2	0.343	3.33	32.7	17.5	0.30	3720	8.94	0.03	7.4	3.3	530	1570
K292668		16.20	0.12	1.1	0.584	2.87	28.6	37.3	0.58	1830	1.95	0.03	7.4	2.6	540	192.0
K292669		15.85	0.09	1.1	0.172	3.09	21.0	41.8	0.79	2080	2.62	0.05	8.2	2.6	660	260
K292670		16.25	0.11	1.2	0.069	3.27	26.3	28.3	0.68	1170	1.62	0.08	7.6	2.7	630	41.4
K292671		15.05	0.11	1.0	0.308	2.96	27.0	25.1	0.78	1820	14.70	0.14	6.3	14.6	510	476
K292672		15.00	0.10	1.2	0.115	1.99	23.3	77.3	0.58	973	1.43	0.04	7.4	2.4	590	263
K292673		16.05	0.10	1.0	0.267	2.98	26.5	37.7	0.66	2440	8.25	0.03	6.2	2.7	520	480
K292674		11.90	0.06	0.5	2.11	2.03	17.3	8.8	0.97	9320	4.24	0.02	3.6	2.1	310	1820
K292675		0.30	0.12	<0.1	0.008	0.04	0.7	1.5	12.60	211	0.15	0.01	0.2	1.6	180	5.2
K292676		14.80	0.07	0.7	0.924	2.41	12.8	10.2	0.35	2560	2.71	0.03	4.9	4.1	240	480
K292677		16.35	0.11	1.0	0.481	3.26	26.0	16.5	0.76	1920	1.31	0.05	6.7	2.8	540	173.5
K292678		17.00	0.10	0.8	0.594	3.22	12.4	7.9	0.58	1370	1.17	0.04	5.5	2.8	320	478
K292679		15.30	0.10	0.9	0.268	3.10	18.3	30.5	0.75	1740	1.29	0.05	6.5	2.2	600	223
K292680		15.20	0.12	0.9	0.271	3.09	21.1	30.0	0.77	1760	1.23	0.05	6.5	2.2	580	218
K292681		14.95	0.13	1.0	0.049	2.70	22.5	16.9	0.62	733	1.35	0.65	6.9	2.3	550	16.5
K292682		18.55	0.13	1.1	0.210	2.34	44.5	25.7	0.64	1200	1.15	0.07	6.8	2.5	610	15.0
K292683		14.25	0.10	1.0	0.731	2.84	23.3	18.7	0.76	1730	8.44	0.12	6.1	11.2	520	1260
K292684		16.70	0.10	1.1	0.112	2.27	28.5	25.4	0.83	1820	2.57	0.05	7.3	2.7	590	40.6
K292685		15.10	0.10	0.7	0.258	2.63	38.4	20.3	0.73	1900	9.38	0.10	5.2	2.0	450	165.0
K292686		18.35	0.13	0.9	0.690	3.43	15.9	6.3	1.06	3270	5.73	0.16	7.4	2.1	710	100.0
K292687		15.35	0.08	0.7	0.741	3.00	11.4	5.2	0.80	4560	2.00	0.14	6.3	2.0	580	258
K292688		15.90	0.10	0.7	0.220	2.68	9.8	21.1	0.99	1700	1.44	0.15	6.3	2.3	610	69.6
K292689		0.33	0.25	<0.1	0.005	0.04	0.6	1.0	12.75	204	0.40	<0.01	0.2	1.5	160	2.1
K292690		16.60	0.20	0.9	0.081	1.95	13.3	51.9	1.06	983	1.01	0.29	7.0	2.1	580	30.2
K292691		16.50	0.15	0.8	0.106	1.79	9.5	24.9	0.90	822	0.67	0.56	6.4	2.2	580	12.0
K292692		16.85	0.17	0.8	0.135	2.03	14.8	26.9	0.59	750	0.59	0.28	7.0	2.4	640	29.6

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Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K292657		142.5	<0.002	4.03	11.20	9.4	2	6.6	75.5	0.42	0.15	10.95	0.186	2.30	7.3	68
K292658		138.0	<0.002	2.34	14.00	9.8	2	5.6	106.0	0.55	0.11	15.30	0.215	2.07	6.9	65
K292659		145.5	0.002	3.47	11.80	9.6	2	6.2	79.3	0.56	0.16	13.70	0.191	2.26	6.9	66
K292660		186.0	<0.002	3.31	12.35	10.0	2	8.5	64.2	0.41	0.33	13.30	0.157	2.84	4.6	61
K292661		169.5	<0.002	1.80	21.0	8.8	2	4.1	64.6	0.58	0.14	14.55	0.172	2.91	6.2	59
K292662		146.0	<0.002	1.97	10.40	9.7	2	4.1	82.6	0.47	0.14	12.15	0.201	2.90	3.9	65
K292663		159.0	<0.002	3.44	18.35	9.2	2	8.7	62.1	0.28	0.34	10.40	0.122	2.15	25.7	60
K292664		150.0	<0.002	0.10	6.97	10.6	1	2.4	208	0.67	<0.05	13.85	0.246	1.93	3.1	68
K292665		124.0	<0.002	0.12	16.15	11.1	1	1.8	110.5	0.70	<0.05	13.95	0.256	2.19	3.9	72
K292666		131.5	<0.002	0.13	16.80	10.6	1	1.9	111.5	0.67	<0.05	13.70	0.253	2.27	3.6	68
K292667		202	<0.002	1.06	33.5	10.9	1	6.1	35.8	0.62	<0.05	13.40	0.225	3.90	6.6	65
K292668		158.5	<0.002	2.04	13.10	10.2	1	5.7	90.8	0.57	<0.05	13.45	0.229	2.96	3.8	65
K292669		129.5	<0.002	0.84	10.45	12.5	1	3.9	133.5	0.56	0.05	10.20	0.290	2.57	3.7	93
K292670		148.5	<0.002	0.28	13.85	10.9	1	2.2	82.4	0.61	<0.05	12.40	0.239	2.36	5.0	69
K292671		168.5	0.002	2.66	27.4	9.1	1	5.6	109.5	0.49	0.28	10.65	0.201	2.44	4.9	65
K292672		88.2	<0.002	0.40	25.1	9.7	1	2.2	169.5	0.62	<0.05	11.75	0.231	1.47	3.4	64
K292673		171.5	0.002	2.01	30.6	9.9	1	4.6	40.9	0.52	0.06	11.20	0.203	2.76	5.0	68
K292674		110.5	<0.002	7.64	114.0	5.7	1	9.5	46.6	0.30	0.36	6.75	0.112	1.89	2.0	38
K292675		1.8	<0.002	0.01	0.47	0.2	<1	0.2	48.2	<0.05	<0.05	0.16	<0.005	0.02	0.6	2
K292676		120.0	<0.002	8.47	269	7.8	1	6.8	18.4	0.40	0.46	7.95	0.135	2.56	2.1	54
K292677		159.0	<0.002	1.10	10.20	9.8	<1	3.5	65.2	0.56	0.16	12.60	0.212	2.95	3.8	64
K292678		156.0	<0.002	4.33	15.90	9.4	1	9.4	23.4	0.43	0.30	9.30	0.163	2.55	2.1	58
K292679		133.0	<0.002	0.95	16.00	9.5	1	2.9	94.2	0.52	0.21	10.80	0.208	2.43	3.2	61
K292680		139.0	<0.002	0.89	14.90	9.5	1	2.8	91.5	0.54	<0.05	11.65	0.210	2.45	3.4	61
K292681		96.3	<0.002	0.21	5.79	9.4	1	1.9	164.5	0.55	<0.05	10.95	0.218	1.60	2.9	64
K292682		99.8	<0.002	0.50	13.95	10.8	1	3.2	58.4	0.59	0.06	13.90	0.200	1.79	2.5	75
K292683		155.5	<0.002	4.52	61.1	9.0	1	7.4	92.3	0.52	1.21	10.45	0.200	2.36	4.9	61
K292684		96.3	<0.002	0.36	9.78	10.7	1	2.8	76.5	0.61	<0.05	12.45	0.220	2.15	2.7	75
K292685		149.5	<0.002	1.36	43.2	8.1	1	4.1	82.4	0.43	0.38	11.55	0.160	2.78	2.6	60
K292686		188.5	0.006	0.31	9.66	13.2	1	3.8	90.3	0.53	<0.05	11.10	0.256	3.60	2.1	84
K292687		177.5	<0.002	0.91	14.60	10.5	1	4.4	76.7	0.48	0.06	10.85	0.210	3.18	3.2	70
K292688		130.5	<0.002	0.12	9.35	10.2	1	2.7	87.2	0.50	0.89	10.65	0.202	2.93	2.8	80
K292689		2.0	<0.002	0.02	0.16	0.2	<1	<0.2	56.6	<0.05	<0.05	0.14	<0.005	0.02	0.8	2
K292690		80.4	<0.002	0.10	11.90	10.5	1	2.7	149.0	0.54	0.07	9.89	0.233	2.29	2.7	79
K292691		71.2	<0.002	0.18	11.10	9.6	<1	2.8	150.0	0.52	0.13	8.61	0.215	2.06	2.9	75
K292692		84.4	<0.002	0.21	7.93	10.2	1	3.2	109.5	0.51	0.16	8.69	0.221	1.96	3.1	73

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K292657		18.7	12.3	81	27.1	0.009
K292658		15.1	13.8	106	34.5	0.006
K292659		17.1	14.7	116	31.0	0.012
K292660		9.6	10.7	84	31.3	0.015
K292661		8.7	13.4	116	33.0	0.016
K292662		7.4	13.7	146	31.4	0.008
K292663		24.7	12.3	246	20.2	0.090
K292664		1.7	18.7	303	38.9	0.018
K292665		2.9	18.5	590	38.4	0.012
K292666		2.6	18.2	513	38.6	0.010
K292667		4.2	22.1	1940	33.8	0.469
K292668		4.6	14.1	2480	34.0	0.184
K292669		3.6	15.2	1120	30.7	0.024
K292670		2.5	16.1	147	33.0	<0.005
K292671		5.2	12.1	877	29.7	0.381
K292672		4.6	13.5	569	32.2	0.010
K292673		5.3	11.7	1860	29.5	1.310
K292674		4.0	7.1	7310	15.4	4.09
K292675		0.1	0.9	31	<0.5	<0.005
K292676		4.9	9.6	1220	19.5	1.390
K292677		2.8	13.1	996	27.4	0.071
K292678		3.4	9.5	1920	21.9	2.11
K292679		3.5	12.4	1260	25.5	0.070
K292680		3.6	12.7	1220	25.4	0.031
K292681		2.8	12.5	168	28.4	0.015
K292682		2.5	15.2	140	31.4	0.005
K292683		5.8	10.9	2320	28.1	0.862
K292684		2.1	15.7	155	30.7	<0.005
K292685		2.4	8.6	636	20.5	0.105
K292686		1.7	9.7	783	21.3	<0.005
K292687		1.7	9.0	745	19.1	0.110
K292688		1.4	15.6	164	20.0	0.015
K292689		0.1	0.8	20	<0.5	<0.005
K292690		1.2	13.9	99	23.1	<0.005
K292691		1.2	10.8	65	22.0	<0.005
K292692		0.9	12.1	88	21.9	<0.005

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112569

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE VA16112571

Project: Klaza

P.O. No.: Batch 30

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

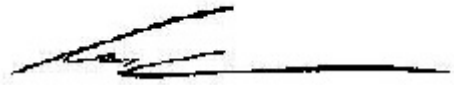
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112571

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
K292693		1.88				3.25	6.82	285	460	1.64	5.01	2.30	17.15	49.3	4.0	22
K292694		2.64				0.44	7.15	23.7	790	1.79	0.34	2.21	2.81	41.4	2.1	25
K292695		1.90				0.98	7.06	95.8	590	1.63	1.27	2.44	2.57	43.3	3.3	19
K292696		1.22				1.28	7.22	539	610	1.79	1.35	1.69	3.61	60.0	4.2	15
K292697		<0.02				1.32	7.31	547	620	1.78	1.28	1.69	3.50	56.5	4.4	19
K292698		1.32				0.09	7.68	20.0	1030	1.57	0.22	1.46	0.14	49.1	4.1	19
K292699		1.32				0.07	7.64	13.9	1000	1.48	0.17	1.82	0.16	44.2	3.0	16
K292700		5.10				0.53	7.20	57.4	810	1.68	0.65	2.97	1.13	44.9	3.8	19
S047001		5.88				0.68	6.96	151.5	1120	1.69	0.77	5.09	2.81	46.3	3.1	15
S047002		5.98				0.01	0.10	0.8	90	0.09	0.03	19.55	0.06	1.33	0.7	1
S047003		4.38				0.34	7.00	36.9	620	1.88	0.42	4.58	0.55	40.6	2.7	13
S047004		6.08				0.30	6.91	17.9	1010	1.89	0.56	4.34	0.28	39.8	3.1	18
S047005		1.60				4.46	7.13	1360	580	1.55	4.54	2.70	11.00	41.6	2.2	17
S047006		1.52				0.70	7.18	35.6	660	1.87	0.63	3.39	2.55	45.8	3.4	15
S047007		1.24				0.64	7.27	13.8	500	1.89	1.13	3.64	0.63	40.1	1.0	16
S047008		1.88	133			>100	5.88	1305	100	1.33	218	2.27	23.9	35.6	4.9	12
S047009		6.12				0.19	0.07	1.9	50	0.05	0.30	20.4	0.09	1.26	0.7	1
S047010		1.22				0.20	6.61	13.5	510	1.68	0.22	3.08	0.59	31.8	2.9	14
S047011		2.94				0.47	6.79	10.8	1210	1.68	0.67	3.26	0.26	38.3	3.5	17
S047012		7.40				0.27	6.83	10.5	670	1.56	0.39	3.78	0.17	34.5	3.1	21
S047013		6.96				0.57	6.58	65.8	510	1.73	0.83	3.58	2.08	33.9	2.0	22
S047014		0.36				4.42	6.85	730	320	1.50	3.44	2.12	11.00	49.6	12.3	25
S047015		7.04				0.35	6.76	41.1	500	1.64	0.41	3.37	3.35	30.9	2.1	13
S047016		2.06				1.04	7.41	30.7	450	1.63	0.81	2.62	5.92	40.5	2.0	18
S047017		0.84				0.99	7.45	24.3	410	1.54	0.85	2.80	5.46	38.7	2.1	12
S047018		3.20				22.0	7.04	1535	540	1.58	38.5	1.20	37.4	47.0	2.1	12
S047019		1.40				27.1	7.62	175.5	370	1.94	47.7	1.87	34.0	39.9	2.3	14
S047020		2.38				0.51	8.29	60.3	1010	1.76	0.44	2.00	3.58	44.9	7.0	20
S047021		1.60	121	1.245	2.80	>100	6.27	3460	150	1.25	153.0	0.47	423	45.3	3.5	12
S047022		1.16				0.73	6.81	116.0	550	2.06	0.65	3.44	2.89	34.7	2.7	13
S047023		1.64				0.24	7.24	10.5	1090	1.69	0.24	3.73	0.48	36.6	3.8	16
S047024		0.36				12.20	6.68	1610	530	1.48	11.15	1.91	32.9	47.6	17.5	19
S047025		3.16				0.68	6.73	20.3	400	1.68	0.72	4.39	2.10	31.1	1.5	14
S047026		7.72				0.24	6.87	7.4	360	1.70	0.27	4.41	0.69	31.3	1.7	17
S047027		7.42				0.54	6.96	8.9	840	1.66	0.76	3.74	0.38	34.1	3.8	18
S047028		5.04				0.29	7.19	34.7	1110	1.70	0.49	3.38	1.43	33.3	4.2	19

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112571

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
K292693		9.57	26.8	5.31	15.70	0.12	0.7	1.195	2.82	24.1	21.7	0.83	1880	4.59	0.08	5.2
K292694		10.55	13.4	2.09	16.85	0.13	0.9	0.307	2.63	16.8	52.2	0.77	1730	1.95	0.14	6.9
K292695		13.45	11.1	3.41	16.45	0.13	0.7	0.226	2.75	19.3	23.3	0.89	1630	1.51	0.09	6.4
K292696		15.00	12.2	3.92	16.35	0.13	0.9	0.140	2.69	32.1	23.4	0.73	1380	7.66	0.04	7.5
K292697		15.25	12.4	3.94	16.35	0.11	0.9	0.147	2.75	30.4	22.9	0.73	1380	8.60	0.04	7.6
K292698		18.90	3.3	1.99	16.90	0.10	1.0	0.068	1.52	24.4	154.5	0.51	621	1.96	0.07	8.2
K292699		15.30	2.4	2.03	17.45	0.12	1.0	0.100	1.35	20.8	140.0	0.58	747	1.46	0.04	8.3
K292700		9.94	11.2	2.23	16.20	0.13	0.9	0.171	1.78	20.0	80.6	0.97	1160	1.69	0.11	7.1
S047001		10.80	59.9	2.74	14.95	0.12	0.8	0.328	1.80	22.7	35.0	1.77	1840	1.90	0.07	6.2
S047002		0.34	2.0	0.43	0.33	0.28	<0.1	<0.005	0.03	0.6	1.8	12.00	186	0.22	0.01	0.2
S047003		9.96	3.5	1.72	17.70	0.26	0.9	0.203	1.99	14.4	24.5	0.76	1090	0.79	0.84	7.1
S047004		10.85	17.2	2.04	17.55	0.21	0.9	0.227	1.87	15.9	11.3	0.77	868	32.1	1.74	7.0
S047005		11.05	94.4	5.83	16.05	0.13	0.7	0.637	2.99	16.4	22.5	1.29	2400	6.42	0.09	5.6
S047006		9.29	26.3	2.70	17.20	0.17	0.7	0.440	2.88	16.2	57.7	1.22	1920	1.16	0.19	6.4
S047007		10.40	5.3	2.48	18.10	0.13	0.8	0.437	2.48	14.7	79.8	1.23	1460	1.15	0.19	6.8
S047008		9.61	2070	7.65	14.45	0.08	0.7	1.370	2.73	15.9	8.5	0.69	1970	7.96	0.05	5.3
S047009		0.15	15.2	0.46	0.27	0.18	<0.1	0.009	0.03	0.6	1.2	12.60	200	0.13	0.01	0.1
S047010		14.15	22.2	1.95	15.15	0.12	1.0	0.156	1.41	12.3	35.8	0.69	821	2.31	1.03	7.4
S047011		11.70	22.4	2.16	15.35	0.13	1.1	0.089	1.56	16.3	8.5	0.70	532	1.32	2.61	7.8
S047012		8.23	35.6	1.73	15.60	0.13	1.0	0.172	1.02	13.4	9.6	0.85	622	1.76	2.63	7.3
S047013		6.75	26.3	1.72	15.50	0.12	1.0	0.201	1.54	12.7	17.2	0.68	848	1.29	1.88	7.0
S047014		13.10	326	5.10	14.80	0.11	1.1	0.312	3.00	27.9	26.0	0.79	1900	16.20	0.15	6.1
S047015		9.69	10.9	1.86	15.55	0.12	1.0	0.114	1.60	11.2	18.4	0.72	788	0.81	1.22	6.9
S047016		11.30	31.7	3.08	16.45	0.11	0.7	0.205	2.12	15.6	32.0	0.70	1240	1.40	0.15	7.0
S047017		10.85	37.9	2.79	16.40	0.12	0.8	0.193	2.01	14.5	35.2	0.68	1140	0.81	0.16	7.0
S047018		20.1	43.8	6.52	16.00	0.11	0.6	0.286	2.63	22.6	58.3	0.77	2230	6.03	0.07	5.8
S047019		16.20	41.5	3.70	16.55	0.11	0.9	0.221	2.14	15.2	23.4	0.73	1400	0.85	0.05	7.5
S047020		12.50	7.8	3.45	17.25	0.13	0.8	0.125	2.14	19.4	28.9	0.75	1300	7.12	0.05	8.4
S047021		10.25	2400	7.80	16.00	0.11	0.6	1.675	2.79	21.6	9.8	0.43	1100	5.27	0.06	6.3
S047022		17.30	11.0	2.72	15.75	0.10	0.8	0.105	1.74	13.5	29.2	0.71	1260	1.02	1.14	7.6
S047023		12.55	9.0	2.03	16.60	0.13	0.9	0.069	1.30	15.0	23.1	0.90	686	1.69	3.19	8.1
S047024		13.30	294	6.54	14.75	0.10	1.0	0.812	2.90	25.5	18.7	0.79	1810	9.13	0.13	6.3
S047025		11.05	17.4	1.26	16.85	0.11	0.8	0.099	0.55	12.3	16.9	0.79	616	0.72	3.30	8.1
S047026		15.35	7.2	1.15	16.45	0.10	0.8	0.091	0.50	12.6	18.5	0.83	609	1.02	3.50	8.3
S047027		15.05	41.0	1.80	16.10	0.12	0.8	0.114	1.01	14.0	19.0	0.82	603	1.69	3.21	7.9
S047028		11.45	15.4	2.46	16.40	0.11	0.8	0.209	1.60	13.2	17.7	0.78	729	2.01	2.28	7.9

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112571

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
K292693		2.7	540	301	164.0	<0.002	2.22	15.70	10.3	<1	5.4	70.8	0.42	0.19	10.55	0.174
K292694		2.0	590	79.1	123.5	<0.002	0.19	12.65	10.5	1	3.3	77.7	0.52	<0.05	10.70	0.215
K292695		2.3	540	132.0	141.0	<0.002	1.39	7.62	9.8	1	5.1	72.6	0.47	0.06	10.50	0.200
K292696		3.3	550	159.0	148.5	<0.002	1.71	25.3	10.5	1	7.3	44.6	0.60	<0.05	12.25	0.231
K292697		3.4	570	169.0	147.0	<0.002	1.72	26.2	10.6	1	7.0	44.6	0.60	<0.05	12.55	0.235
K292698		2.1	620	8.1	73.3	<0.002	0.29	20.5	11.0	1	2.7	130.0	0.63	<0.05	12.05	0.258
K292699		1.8	650	8.0	55.3	<0.002	0.12	26.1	11.5	1	2.7	170.5	0.62	<0.05	11.20	0.269
K292700		2.5	610	129.5	72.8	<0.002	0.45	9.13	10.3	1	3.8	112.0	0.55	0.09	10.85	0.229
S047001		2.3	520	52.9	97.1	<0.002	0.64	14.95	9.9	1	3.3	167.5	0.49	0.12	10.30	0.199
S047002		1.4	170	1.3	1.7	<0.002	<0.01	0.19	0.2	<1	<0.2	46.8	<0.05	<0.05	0.14	<0.005
S047003		1.7	720	22.3	77.0	<0.002	0.19	5.53	12.3	1	3.7	184.5	0.50	0.08	8.36	0.242
S047004		2.2	680	17.3	87.0	0.002	0.42	5.67	11.4	1	3.4	303	0.52	0.09	8.92	0.241
S047005		2.1	620	351	188.0	<0.002	2.63	36.9	11.3	<1	6.8	79.2	0.39	<0.05	9.60	0.195
S047006		1.2	710	91.3	137.0	<0.002	0.32	5.79	12.0	1	3.9	127.5	0.44	0.21	9.64	0.215
S047007		1.5	740	27.6	101.5	<0.002	0.11	4.25	11.4	<1	3.2	165.0	0.48	0.55	10.50	0.228
S047008		2.1	470	839	149.0	<0.002	6.49	170.5	8.6	1	11.1	59.0	0.42	0.81	9.65	0.167
S047009		1.5	160	2.6	1.7	<0.002	0.01	0.41	0.2	<1	<0.2	46.6	<0.05	<0.05	0.11	<0.005
S047010		4.3	570	27.2	49.7	<0.002	0.09	7.87	8.8	1	2.9	204	0.68	<0.05	9.75	0.232
S047011		2.7	580	19.9	50.2	<0.002	0.05	5.19	9.6	1	2.3	377	0.68	<0.05	10.40	0.243
S047012		2.7	580	17.8	42.0	<0.002	0.15	3.70	9.6	1	2.5	351	0.62	0.11	10.15	0.231
S047013		2.5	590	52.9	60.9	<0.002	0.21	3.46	9.5	1	3.1	246	0.59	0.08	8.92	0.229
S047014		15.4	520	496	164.0	0.005	2.77	28.2	9.5	1	5.6	111.0	0.50	0.43	11.35	0.205
S047015		2.4	600	47.9	64.3	<0.002	0.21	4.43	10.1	1	3.0	207	0.53	<0.05	8.21	0.244
S047016		2.6	730	313	76.2	<0.002	0.30	11.00	11.6	<1	4.5	72.8	0.44	0.10	6.18	0.277
S047017		2.8	730	249	69.8	<0.002	0.28	12.80	11.3	1	4.4	76.6	0.44	0.06	5.66	0.283
S047018		2.8	580	1095	149.5	<0.002	1.55	33.7	10.9	<1	6.2	46.4	0.39	0.06	7.96	0.230
S047019		2.3	740	1305	88.8	<0.002	0.37	14.40	12.1	1	5.2	55.8	0.48	<0.05	7.20	0.286
S047020		3.8	750	123.0	84.1	<0.002	0.32	11.40	12.7	1	4.0	72.6	0.57	<0.05	8.21	0.324
S047021		2.4	580	>10000	144.0	<0.002	6.65	121.5	9.9	1	14.1	27.0	0.44	0.16	6.89	0.240
S047022		2.3	660	160.5	57.8	<0.002	0.18	7.09	9.8	1	4.0	223	0.57	<0.05	7.45	0.276
S047023		2.5	700	26.6	40.5	<0.002	0.04	2.70	10.9	1	2.5	487	0.62	<0.05	8.00	0.292
S047024		12.7	540	1305	169.0	0.002	4.72	63.6	9.4	2	8.1	97.7	0.53	1.26	11.10	0.207
S047025		1.8	730	73.8	15.2	<0.002	0.09	2.77	10.3	1	2.6	465	0.60	0.05	7.33	0.277
S047026		1.9	710	29.7	12.9	<0.002	0.04	2.44	10.2	<1	2.7	517	0.65	0.08	7.63	0.285
S047027		2.6	680	24.6	28.2	<0.002	0.20	3.02	10.0	1	2.8	494	0.61	0.13	7.68	0.279
S047028		2.4	670	30.8	62.0	<0.002	0.27	4.65	10.5	<1	2.9	363	0.60	0.09	8.44	0.277

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

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

Finalized Date: 25-JUL-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16112571

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292693		2.66	3.8	68	2.9	9.6	1380	19.8	0.162
K292694		2.51	2.9	69	1.3	11.8	256	23.7	<0.005
K292695		3.10	4.0	65	2.7	10.7	267	21.3	0.014
K292696		3.22	5.7	70	6.6	12.3	415	23.8	0.015
K292697		3.27	5.9	71	6.4	12.0	410	24.8	0.014
K292698		1.95	4.3	70	3.3	13.6	43	25.7	<0.005
K292699		1.38	2.8	75	3.5	13.0	53	25.9	<0.005
K292700		1.86	4.7	74	2.1	14.6	207	23.5	0.005
S047001		1.79	4.1	67	2.5	14.9	285	21.6	0.033
S047002		<0.02	0.7	2	0.1	0.8	16	<0.5	<0.005
S047003		1.99	3.8	83	1.4	14.5	96	22.5	0.018
S047004		1.84	3.7	81	1.2	13.9	70	22.2	0.011
S047005		3.03	3.0	67	2.6	9.6	907	18.4	0.190
S047006		2.69	3.7	73	1.3	15.3	251	19.1	0.012
S047007		2.44	4.0	71	1.6	14.7	97	20.8	<0.005
S047008		2.76	4.0	57	6.6	8.9	2120	20.1	0.912
S047009		0.02	0.7	2	0.1	0.8	18	<0.5	<0.005
S047010		1.55	3.4	70	1.3	12.4	86	27.9	<0.005
S047011		1.01	2.8	69	0.8	13.6	54	31.6	<0.005
S047012		1.07	3.2	72	0.7	13.5	59	27.9	0.007
S047013		1.64	2.7	70	1.2	11.7	187	28.1	0.009
S047014		2.64	5.0	65	5.7	11.5	877	29.9	0.377
S047015		1.71	4.1	75	1.9	11.4	328	29.9	0.010
S047016		2.59	2.6	80	6.2	12.0	546	21.5	0.005
S047017		2.38	2.9	83	5.6	11.7	521	20.9	<0.005
S047018		3.13	3.1	69	7.2	9.2	2680	18.0	0.295
S047019		2.62	2.6	82	5.7	13.1	2280	27.3	0.042
S047020		2.23	2.7	90	9.1	14.7	335	19.4	0.019
S047021		3.18	1.7	68	8.3	10.1	>10000	15.3	1.025
S047022		2.02	3.3	77	5.8	12.6	318	20.4	0.047
S047023		1.00	2.3	78	2.1	15.8	77	22.7	<0.005
S047024		2.61	4.9	62	6.3	11.1	2430	28.9	0.890
S047025		0.62	1.9	71	1.0	13.3	197	20.3	<0.005
S047026		0.52	2.1	72	1.1	13.6	94	21.2	<0.005
S047027		0.66	2.1	74	1.6	13.2	68	21.2	0.009
S047028		1.21	2.7	78	2.7	13.3	161	21.1	0.012

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

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16112571

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117079

Project: Klaza

P.O. No.: Batch 35

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

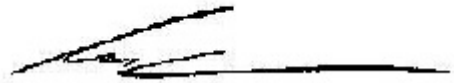
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117079

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K290653		1.94	5.81	6.96	547	400	1.56	3.90	1.45	12.55	48.4	9.1	9	11.50	84.1	6.20
K290654		3.28	0.23	7.71	25.9	460	1.66	0.29	1.68	0.27	50.0	4.8	9	20.1	4.6	2.32
K290655		2.94	1.56	7.07	77.7	2030	1.53	0.64	2.48	3.83	46.6	6.2	8	20.5	10.3	2.74
K290656		2.28	3.99	6.81	202	1430	1.57	1.20	3.19	11.35	51.4	7.2	10	16.55	29.7	3.28
K290657		4.44	0.27	6.87	30.2	1540	1.64	0.30	2.64	0.50	37.4	6.1	9	17.25	6.3	2.41
K290658		2.06	2.04	6.92	239	1250	1.51	0.84	2.80	6.15	46.5	5.9	10	19.55	17.9	2.87
K290659		<0.02	1.75	7.00	220	1230	1.54	0.86	2.71	5.49	47.9	5.9	11	20.0	17.3	2.91
K290660		2.70	0.95	7.49	64.2	950	1.54	0.91	2.81	0.55	50.5	9.8	10	18.75	1.8	3.31
K290661		3.68	1.14	7.73	35.6	1060	1.56	1.38	2.46	3.10	51.8	8.5	10	21.8	3.6	3.26
K290662		4.06	0.31	7.26	26.5	360	2.18	0.22	2.66	0.47	57.8	6.0	17	32.9	13.8	2.42
K290663		1.72	0.70	6.70	27.7	2090	1.73	0.27	1.42	0.48	59.8	5.0	14	20.9	26.0	2.42
K290664		2.08	0.50	6.91	31.9	1300	1.77	0.17	0.75	0.66	71.0	4.8	18	25.6	7.9	2.64
K290665		0.34	4.41	6.89	728	610	1.32	3.49	2.11	10.60	48.0	13.2	25	14.00	315	5.20
K290666		1.90	10.25	5.09	915	520	1.69	2.54	2.39	44.2	38.4	6.0	10	22.9	111.5	3.02
K290667		5.06	5.89	7.28	235	1210	1.93	1.41	2.05	31.1	49.0	6.9	10	24.2	77.4	3.13
K290668		1.28	0.12	8.08	20.5	970	1.47	0.18	1.39	0.27	54.9	5.8	8	22.5	13.3	2.50
K290669		1.86	16.00	6.54	1840	3460	1.24	0.42	0.84	41.8	45.8	6.6	7	15.25	58.0	4.52
K290670		1.84	37.6	7.32	456	690	1.58	0.48	1.49	53.9	57.0	5.1	7	18.75	69.8	5.76
K290671		6.02	0.03	0.08	0.8	30	0.05	0.03	20.9	0.12	1.33	0.6	1	0.28	3.3	0.49
K290672		1.88	3.11	7.26	458	880	1.63	0.24	1.69	16.30	55.8	4.9	8	26.9	23.4	2.96
K290673		2.42	5.13	6.88	975	560	1.47	1.49	0.98	33.3	52.5	6.5	8	25.0	38.7	3.09
K290674		0.34	12.00	6.73	1595	1000	1.35	12.95	1.94	35.5	47.5	17.3	18	14.65	288	6.61
K290675		2.26	2.42	7.17	609	1090	1.44	0.92	2.50	11.55	56.1	7.2	9	18.65	15.6	3.38
K290676		2.56	6.26	7.52	157.5	1080	1.58	1.45	1.92	8.41	59.0	15.9	9	24.7	23.9	3.52
K290677		1.18	0.13	6.82	15.1	580	1.38	0.51	2.20	0.35	42.9	3.3	8	21.0	4.6	2.09
K290678		0.44	0.10	7.41	14.5	500	1.41	0.52	2.01	0.26	49.0	2.9	7	23.8	3.8	1.91
K290679		1.56	0.16	7.15	11.2	1870	1.46	0.53	1.82	0.20	50.4	7.9	10	18.25	12.7	3.01
K290680		1.76	0.22	8.35	11.3	500	1.50	1.21	2.09	0.24	38.9	10.7	7	24.4	18.3	4.79
K290681		3.04	0.17	6.95	7.8	1450	1.10	0.76	2.72	0.20	62.6	7.3	10	11.70	8.1	3.01
K290682		1.30	0.24	6.23	7.9	920	0.85	0.82	7.70	0.46	63.4	6.0	8	8.29	8.7	2.77
K290683		6.34	0.01	0.08	0.3	40	0.06	0.03	21.1	0.07	1.27	0.6	1	0.25	2.3	0.48
K290684		5.32	1.14	7.54	25.0	1030	1.23	1.23	4.13	0.61	48.2	8.1	8	9.46	6.7	3.90
K290685		2.50	39.5	8.71	292	70	1.48	19.95	1.98	34.8	30.9	42.2	8	11.60	90.0	11.45
K290686		1.30	2.05	8.97	52.8	670	1.78	2.22	3.34	2.73	10.50	16.7	7	14.20	6.9	6.65
K290687		1.46	41.3	6.91	775	50	1.63	63.4	1.18	45.3	21.1	14.9	7	7.97	1660	17.35
K290688		2.24	2.71	10.20	45.2	560	1.54	3.86	2.70	2.53	128.0	14.1	7	12.05	8.0	8.12

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

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

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117079

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K290653		15.30	0.09	1.2	0.311	3.05	26.3	17.3	0.59	1080	1.34	0.03	7.1	3.5	500	811
K290654		16.50	0.09	1.4	0.049	1.80	26.4	490	0.58	703	1.08	0.02	8.4	2.2	650	16.5
K290655		15.05	0.10	1.2	0.102	2.84	25.8	44.5	0.88	810	13.65	0.03	7.0	2.2	530	164.0
K290656		15.00	0.10	1.7	0.210	2.88	28.9	22.4	1.03	989	2.03	0.03	7.5	3.3	550	718
K290657		15.80	0.10	1.4	0.042	2.67	18.7	123.5	0.57	658	0.69	0.07	8.2	2.0	580	24.7
K290658		14.80	0.11	1.2	0.112	2.62	25.9	63.6	0.84	1120	0.85	0.04	6.9	2.0	510	300
K290659		15.00	0.10	1.3	0.106	2.63	27.0	64.8	0.82	1100	1.01	0.04	7.2	2.1	510	250
K290660		15.20	0.10	1.2	0.087	2.81	27.6	62.9	0.93	1330	1.64	0.03	6.9	2.2	560	37.0
K290661		16.55	0.11	1.3	0.079	2.69	28.5	53.9	0.86	1030	2.23	0.04	7.2	2.7	580	163.0
K290662		19.75	0.11	4.3	0.032	2.05	28.7	185.5	0.66	576	2.57	0.04	11.2	5.0	1120	36.8
K290663		16.95	0.12	3.3	0.026	1.94	32.2	333	0.51	784	5.52	0.03	9.2	4.0	850	25.3
K290664		17.75	0.11	4.3	0.037	2.08	38.2	332	0.50	914	5.00	0.03	9.9	4.4	990	32.1
K290665		15.35	0.10	1.1	0.312	2.98	27.1	25.5	0.80	1950	14.75	0.15	6.4	15.4	520	500
K290666		11.60	0.08	2.0	0.835	1.71	20.3	67.7	0.89	1170	14.90	0.02	6.1	3.3	500	2490
K290667		15.10	0.11	1.5	0.387	2.78	26.9	45.9	0.81	1160	2.29	0.05	7.8	3.5	530	1730
K290668		16.10	0.12	1.5	0.044	2.49	29.4	178.5	0.54	766	1.31	0.07	8.6	3.6	590	16.8
K290669		14.75	0.09	1.2	0.398	2.97	23.0	17.1	0.45	1460	21.1	0.02	6.7	2.4	570	2460
K290670		16.15	0.09	1.4	0.316	3.20	30.9	11.0	0.76	2430	8.69	0.02	7.8	2.3	600	9540
K290671		0.24	0.07	<0.1	0.006	0.03	0.7	1.6	12.80	218	0.11	0.01	0.2	4.2	160	6.5
K290672		15.00	0.08	1.3	0.139	2.99	31.3	64.5	0.69	1260	2.16	0.03	7.6	2.2	540	685
K290673		14.80	0.09	1.3	1.395	2.39	29.3	186.0	0.48	833	9.11	0.03	7.1	2.1	490	1010
K290674		15.15	0.08	1.1	0.814	2.94	25.7	20.9	0.78	1800	8.90	0.12	6.6	12.0	520	1315
K290675		15.65	0.09	1.3	0.167	3.13	31.4	16.5	0.91	1300	1.07	0.03	7.4	2.3	530	515
K290676		15.55	0.09	1.3	0.178	3.26	32.6	24.2	0.76	900	3.73	0.04	7.6	2.6	540	1345
K290677		15.20	0.08	1.3	0.110	2.53	21.9	83.6	0.59	586	0.46	0.04	7.9	1.8	510	17.9
K290678		15.60	0.09	1.3	0.117	2.60	25.3	80.6	0.61	549	0.27	0.04	8.6	1.6	530	17.5
K290679		15.10	0.08	1.3	0.130	2.03	26.8	34.3	1.04	525	0.43	1.62	8.5	2.2	540	20.1
K290680		21.0	0.07	1.2	0.112	2.15	19.8	48.9	1.43	621	0.37	0.64	8.2	3.1	550	21.4
K290681		14.65	0.09	1.3	0.060	1.72	33.0	36.1	1.13	746	0.52	0.56	8.6	2.4	570	24.0
K290682		12.20	0.08	1.2	0.055	1.96	35.4	36.9	0.76	734	0.34	0.10	7.1	2.9	490	38.5
K290683		0.22	0.07	<0.1	0.005	0.03	0.6	1.2	12.90	204	0.08	0.01	0.1	4.2	170	1.7
K290684		16.55	0.08	1.4	0.068	2.58	25.8	23.5	0.85	1020	0.78	0.51	7.2	2.8	560	45.8
K290685		28.7	0.08	1.5	0.386	4.53	14.2	4.1	0.74	1940	1.33	0.05	9.8	3.7	890	2090
K290686		31.6	0.06	1.4	0.110	4.98	4.4	3.2	1.15	2910	4.19	0.04	9.7	3.8	660	175.5
K290687		26.3	0.07	1.0	2.25	4.02	8.9	3.3	0.55	1360	3.17	0.03	4.6	2.7	470	1785
K290688		40.4	0.11	1.1	0.133	5.11	70.3	40.4	1.04	1860	1.42	0.06	6.6	2.8	660	233

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

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117079

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K290653		182.0	<0.002	5.73	34.1	9.7	<1	5.4	50.1	0.60	0.39	12.95	0.218	2.67	3.5	69
K290654		84.3	<0.002	0.43	23.4	10.4	1	1.5	208	0.76	0.11	14.35	0.255	1.80	5.1	65
K290655		156.5	<0.002	0.90	30.0	8.9	1	1.5	135.0	0.59	0.19	12.55	0.214	2.46	7.1	58
K290656		163.0	<0.002	1.54	19.05	8.4	<1	2.3	184.0	0.63	0.21	11.45	0.229	2.61	5.6	57
K290657		91.0	<0.002	0.43	14.45	9.5	<1	1.4	162.0	0.71	0.17	11.60	0.249	1.71	4.0	64
K290658		138.0	<0.002	0.99	15.90	8.9	<1	2.0	109.5	0.61	0.46	13.10	0.212	2.28	6.6	59
K290659		140.5	<0.002	1.04	15.85	9.0	1	2.1	110.5	0.62	0.40	13.70	0.219	2.22	6.3	60
K290660		152.5	<0.002	1.50	13.40	9.6	1	1.9	113.0	0.60	0.58	12.80	0.230	2.51	3.8	70
K290661		145.0	<0.002	1.59	9.19	10.6	1	1.9	127.5	0.63	0.85	13.85	0.237	2.39	6.7	72
K290662		64.0	<0.002	0.09	13.90	5.3	<1	1.7	643	0.78	<0.05	8.79	0.329	1.07	11.4	55
K290663		77.3	<0.002	0.10	62.5	4.7	1	1.3	386	0.66	<0.05	9.15	0.271	0.99	6.2	49
K290664		89.3	<0.002	0.10	55.0	5.4	<1	1.5	825	0.65	<0.05	9.88	0.304	1.15	7.0	56
K290665		162.5	0.003	2.76	28.8	9.2	1	5.4	109.5	0.55	0.32	11.60	0.208	2.56	5.1	66
K290666		91.0	0.002	1.63	52.6	5.2	1	2.3	313	0.48	0.06	7.35	0.193	1.46	6.6	45
K290667		150.5	<0.002	0.94	26.9	8.8	1	1.9	97.6	0.73	0.05	15.10	0.224	2.21	8.2	58
K290668		103.5	<0.002	0.16	27.8	9.7	1	1.9	133.5	0.72	<0.05	17.00	0.249	1.56	4.3	65
K290669		156.0	<0.002	4.11	62.3	9.5	<1	9.3	62.9	0.54	0.07	11.35	0.247	3.14	5.2	75
K290670		168.5	<0.002	3.28	72.3	10.4	1	4.8	52.7	0.64	<0.05	14.05	0.262	3.64	4.8	79
K290671		1.4	<0.002	0.01	0.15	0.2	<1	<0.2	48.5	<0.05	<0.05	0.12	<0.005	0.02	0.7	2
K290672		150.5	<0.002	1.11	24.0	9.0	<1	3.5	94.9	0.64	<0.05	15.65	0.226	2.79	6.8	60
K290673		127.5	<0.002	1.77	43.1	8.4	1	3.8	104.5	0.63	0.40	15.10	0.211	2.33	5.9	59
K290674		169.5	<0.002	4.71	75.2	9.0	2	8.9	98.5	0.52	1.09	11.70	0.211	2.65	5.4	62
K290675		164.5	<0.002	2.15	14.55	9.2	1	5.8	76.0	0.63	0.34	15.05	0.220	2.97	4.1	60
K290676		171.5	<0.002	2.73	27.5	9.7	1	3.4	56.0	0.65	0.43	14.80	0.222	2.92	12.6	62
K290677		91.3	<0.002	0.61	16.50	8.0	1	2.3	77.2	0.75	0.20	14.20	0.218	2.03	4.0	57
K290678		107.5	<0.002	0.39	15.20	8.9	1	2.4	84.9	0.81	0.13	16.50	0.237	1.97	3.2	61
K290679		73.3	<0.002	1.00	5.99	9.6	1	3.0	220	0.78	0.22	15.70	0.235	1.00	4.3	57
K290680		62.9	<0.002	2.72	4.80	9.5	1	3.1	140.5	0.73	0.56	13.25	0.238	1.09	3.2	86
K290681		71.3	<0.002	1.54	4.69	9.5	1	2.8	110.5	0.79	0.37	16.25	0.238	0.86	4.4	56
K290682		76.4	<0.002	1.70	9.95	8.6	1	2.8	220	0.65	0.28	19.00	0.206	0.92	3.7	47
K290683		1.1	<0.002	0.01	0.07	0.2	<1	<0.2	49.0	<0.05	<0.05	0.15	<0.005	0.02	0.8	2
K290684		141.5	<0.002	2.80	6.15	9.5	1	3.6	162.0	0.69	0.72	16.80	0.218	1.90	4.6	73
K290685		232	<0.002	>10.0	17.80	9.7	2	5.8	30.7	0.84	11.70	14.65	0.242	4.30	3.6	110
K290686		192.5	<0.002	5.81	5.00	10.2	1	3.0	43.4	0.82	0.91	11.75	0.269	4.72	3.1	165
K290687		202	<0.002	>10.0	161.0	9.7	1	14.2	19.5	0.41	1.16	6.28	0.175	3.39	3.3	141
K290688		235	<0.002	7.10	6.92	11.2	2	3.2	81.5	0.55	1.66	11.90	0.221	5.01	2.8	144

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

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117079

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K290653		4.3	11.3	1080	35.9	0.447
K290654		4.7	15.0	103	40.7	0.009
K290655		2.6	13.4	305	35.8	0.055
K290656		4.8	15.2	827	57.7	0.346
K290657		2.7	13.4	86	42.1	0.016
K290658		2.8	14.3	455	37.5	0.150
K290659		2.8	14.2	413	38.6	0.117
K290660		2.6	13.4	93	34.2	0.043
K290661		1.8	13.5	290	38.1	0.070
K290662		2.0	9.5	112	174.5	<0.005
K290663		2.4	8.3	120	129.0	<0.005
K290664		2.4	11.9	123	176.0	<0.005
K290665		5.6	12.4	884	31.6	0.376
K290666		3.8	12.2	4110	80.1	0.804
K290667		4.1	14.6	2660	49.6	0.751
K290668		3.3	15.4	58	45.4	<0.005
K290669		7.4	12.0	2650	33.0	0.877
K290670		8.8	13.5	3330	40.0	0.530
K290671		0.1	0.8	23	<0.5	<0.005
K290672		4.4	13.2	1040	37.8	0.105
K290673		4.3	12.9	3200	37.4	0.179
K290674		6.0	11.9	2450	31.1	0.895
K290675		4.8	14.3	795	36.9	0.164
K290676		3.3	15.8	765	34.6	0.180
K290677		2.0	12.4	62	34.9	0.005
K290678		2.1	14.9	52	38.2	<0.005
K290679		2.0	16.8	65	37.3	0.079
K290680		2.0	14.0	87	34.0	0.107
K290681		2.0	19.8	62	37.1	0.030
K290682		1.8	27.8	54	36.4	0.028
K290683		0.1	0.8	19	<0.5	<0.005
K290684		1.9	17.3	98	40.5	0.048
K290685		4.7	8.8	3290	42.8	1.165
K290686		3.4	6.5	328	39.5	0.048
K290687		6.2	5.1	4330	27.7	8.60
K290688		2.8	17.6	306	31.6	0.064

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

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117079

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	LOG-21d	LOG-22
LOG-23	ME-MS61	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

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Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117080

Project: Klaza

P.O. No.: Batch 36

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

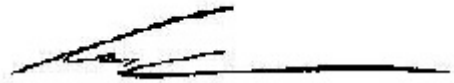
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117080

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047101		2.48	0.58	6.90	91.5	920	1.31	0.27	3.99	1.34	46.1	14.0	25	29.1	18.3	4.36
S047102		3.56	0.24	8.03	50.3	1450	1.21	0.09	4.65	0.30	43.0	16.7	27	7.98	18.3	4.90
S047103		5.00	0.08	7.73	5.0	1480	1.12	0.08	4.76	0.15	44.7	20.5	116	7.47	28.1	4.99
S047104		1.22	0.13	7.60	8.6	1370	1.25	0.10	4.50	0.15	45.5	16.5	26	8.18	18.9	4.79
S047105		1.28	0.44	7.72	29.5	1210	1.38	0.07	4.23	1.19	44.1	15.9	26	17.20	15.7	4.69
S047106		0.62	0.38	7.76	22.1	1280	1.31	0.07	4.19	0.77	42.6	15.4	25	15.35	14.2	4.65
S047107		1.76	1.19	7.64	152.5	600	1.40	0.40	4.40	9.93	42.8	19.9	105	38.4	34.4	4.80
S047108		1.62	0.28	7.33	58.6	1160	1.13	0.09	4.15	0.20	40.9	15.1	25	15.55	17.2	4.36
S047109		2.28	0.17	7.98	12.3	1620	1.03	0.24	4.77	0.16	42.2	16.6	26	9.48	15.3	4.93
S047110		1.38	0.25	7.77	18.6	1680	1.12	0.09	4.47	0.71	49.7	21.9	31	18.75	58.8	5.51
S047111		1.34	0.61	7.65	66.7	1570	1.14	0.09	3.68	0.38	47.1	19.4	31	28.7	144.5	5.26
S047112		1.44	0.43	6.73	42.3	1100	1.21	0.04	6.84	0.34	34.3	14.0	20	36.2	54.4	4.87
S047113		6.02	0.01	0.08	<0.2	60	<0.05	0.02	20.6	0.07	1.35	0.7	1	0.40	1.9	0.48
S047114		1.60	0.24	8.24	20.7	1400	1.19	0.06	3.48	0.20	44.0	19.5	33	22.5	66.8	5.58
S047115		2.22	0.13	8.06	4.1	1620	0.99	0.07	5.22	0.15	43.6	21.0	29	9.70	67.5	5.52
S047116		6.10	0.27	7.97	7.6	1530	0.98	0.43	5.13	0.23	44.9	21.4	30	9.36	38.9	5.50
S047117		<0.02	0.30	7.69	6.9	1490	1.03	0.49	5.13	0.25	46.4	20.4	29	9.00	36.8	5.34
S047118		1.44	0.12	8.17	5.6	1400	1.05	0.09	5.31	0.12	45.7	21.1	31	11.50	57.0	5.65
S047119		1.32	0.18	7.87	14.9	1080	1.23	0.08	4.58	0.23	43.5	19.9	30	29.4	43.7	5.43
S047120		1.20	0.45	7.38	51.2	700	1.46	0.08	4.64	0.23	42.2	22.5	29	36.7	49.8	4.99
S047121		1.22	0.99	7.48	46.8	600	1.51	0.35	3.94	0.59	36.5	16.7	23	28.5	74.0	4.18
S047122		2.10	0.41	6.42	7.0	1060	1.67	0.23	1.89	0.38	35.8	2.4	7	15.30	12.0	1.60
S047123		7.04	0.20	6.89	24.1	610	1.83	0.28	1.72	0.22	40.1	3.1	9	13.90	2.3	1.86
S047124		4.66	0.35	6.45	16.2	580	1.93	0.47	2.24	0.19	41.7	3.3	10	14.25	6.3	2.02
S047125		1.28	2.06	4.83	126.5	1280	1.32	0.61	1.27	1.92	23.5	6.1	9	16.15	19.2	2.02
S047126		0.34	12.25	6.54	1565	1090	1.41	12.45	1.86	32.7	41.4	17.2	19	13.75	280	6.40
S047127		1.38	0.28	7.87	68.4	1560	1.86	0.14	2.99	0.41	41.8	22.5	35	44.0	60.8	5.13
S047128		1.50	0.22	8.28	13.4	1160	1.18	0.10	4.92	0.18	46.1	19.9	15	8.51	55.0	5.76
S047129		1.46	0.26	8.00	8.5	1070	0.99	0.10	4.83	0.18	34.7	17.3	14	9.78	60.7	5.42
S047130		0.34	4.47	6.64	718	560	1.15	2.89	2.05	10.10	47.9	11.6	25	13.60	306	4.98
S047131		1.22	0.12	7.86	3.7	1280	1.04	0.09	5.18	0.15	31.2	19.5	14	4.72	24.2	5.54
S047132		1.14	4.69	7.68	59.3	980	0.98	3.80	5.27	1.52	40.9	32.5	13	17.55	145.5	5.93
S047133		6.34	0.02	0.06	<0.2	100	<0.05	0.03	20.0	0.06	1.18	0.6	1	0.17	2.2	0.46
S047134		1.68	0.18	7.72	4.7	1200	0.93	0.09	5.30	0.16	32.6	18.3	13	7.97	37.3	5.38
S047135		6.14	0.20	7.67	8.2	1090	0.98	0.11	5.06	0.21	32.3	17.3	13	10.90	22.5	5.15
S047136		7.54	0.11	7.96	2.4	1230	0.95	0.08	4.77	0.14	32.9	19.3	15	5.44	29.9	5.43

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

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C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117080

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047101		18.10	0.17	0.5	0.063	2.10	22.8	16.8	1.60	1520	2.68	1.21	6.9	5.5	900	111.5
S047102		20.3	0.17	0.5	0.054	1.72	20.2	11.1	2.04	1070	2.49	2.64	7.6	5.6	1060	100.0
S047103		19.45	0.18	0.6	0.057	1.70	22.0	12.1	2.71	978	2.29	2.58	7.4	38.2	1050	13.1
S047104		20.2	0.16	0.5	0.054	1.56	21.1	9.8	1.85	944	2.43	2.65	7.2	5.5	1020	14.7
S047105		20.0	0.16	0.5	0.054	1.79	21.2	16.5	1.86	1490	2.32	1.81	7.2	5.3	1000	78.7
S047106		19.65	0.16	0.5	0.050	1.77	20.4	14.4	1.82	1420	2.29	1.95	7.2	5.5	990	73.0
S047107		18.55	0.14	0.6	0.501	2.53	21.3	40.5	2.11	2170	2.20	0.09	7.0	30.7	1000	269
S047108		18.40	0.14	0.5	0.050	1.66	20.0	9.1	1.70	1030	2.04	1.99	6.9	5.1	960	35.9
S047109		19.30	0.17	0.5	0.057	1.69	20.9	8.8	2.12	1250	2.06	2.35	7.1	5.7	1010	17.7
S047110		20.9	0.18	0.7	0.064	1.48	23.7	16.8	1.96	1270	1.80	1.64	6.4	11.5	1290	20.5
S047111		21.0	0.16	0.6	0.067	1.52	21.6	34.7	1.81	1590	2.02	0.10	5.5	10.6	1210	16.5
S047112		16.45	0.13	0.5	0.049	1.71	16.8	354	2.82	2110	1.26	0.05	4.7	8.0	980	17.3
S047113		0.29	0.16	<0.1	<0.005	0.04	0.7	1.9	12.55	204	0.07	0.01	0.2	1.6	180	1.4
S047114		22.0	0.16	0.6	0.066	1.49	19.8	38.6	1.72	1100	1.95	0.69	5.9	11.7	1410	13.6
S047115		20.7	0.16	0.6	0.061	1.44	21.0	13.3	2.27	1020	1.89	2.41	6.4	11.2	1220	10.9
S047116		20.6	0.15	0.6	0.062	1.44	20.9	15.1	2.48	1120	1.81	2.47	6.1	11.5	1380	18.1
S047117		20.0	0.15	0.6	0.060	1.38	21.4	14.9	2.47	1110	1.80	2.44	5.9	11.0	1330	17.8
S047118		20.9	0.18	0.6	0.063	1.47	21.6	12.6	2.40	1100	1.60	2.47	5.8	11.9	1260	11.5
S047119		21.0	0.16	0.6	0.062	1.29	20.1	90.3	1.60	1140	1.50	1.11	6.2	11.3	1390	13.9
S047120		19.85	0.15	0.5	0.057	3.09	19.7	26.2	1.81	1490	1.63	0.05	6.1	12.9	1190	10.8
S047121		17.50	0.16	0.8	0.062	2.86	17.7	156.5	1.60	2120	1.54	0.04	6.7	9.4	970	38.4
S047122		15.00	0.15	1.9	0.064	2.80	18.4	19.4	0.72	748	1.15	0.04	9.8	1.9	300	36.9
S047123		16.00	0.16	1.8	0.034	3.06	20.5	12.9	0.72	616	2.12	0.03	9.4	2.1	390	25.3
S047124		16.35	0.14	1.8	0.039	3.03	21.4	14.9	0.82	767	2.14	0.03	9.6	2.3	410	24.7
S047125		11.35	0.13	1.5	0.042	2.00	11.9	62.3	0.52	544	3.77	0.04	7.3	2.8	150	100.0
S047126		15.20	0.14	1.0	0.778	2.83	21.5	20.1	0.77	1790	8.58	0.12	6.6	11.7	510	1265
S047127		21.5	0.17	0.6	0.076	2.62	18.8	214	1.11	1310	1.86	0.08	6.4	13.4	1110	11.7
S047128		21.4	0.19	0.6	0.063	1.48	22.3	16.1	2.32	1320	2.13	2.29	6.3	6.9	1150	13.4
S047129		18.85	0.18	0.6	0.069	1.54	16.0	12.8	2.11	1270	2.38	2.01	5.7	8.8	1090	13.9
S047130		14.80	0.20	1.1	0.310	2.86	27.2	22.2	0.77	1860	14.50	0.15	6.2	13.6	500	474
S047131		20.5	0.18	0.7	0.064	1.37	13.8	10.7	2.22	1110	1.92	2.46	6.2	6.4	1130	12.2
S047132		17.85	0.18	0.6	0.128	2.20	20.2	25.5	2.01	2300	2.28	0.87	5.1	5.3	960	70.6
S047133		0.22	0.31	<0.1	0.011	0.02	0.6	0.8	12.50	200	0.08	0.01	0.1	1.0	170	0.9
S047134		19.65	0.21	0.7	0.082	1.31	14.6	9.9	1.96	1110	1.84	2.33	6.1	5.8	1070	11.0
S047135		18.50	0.21	0.6	0.065	1.35	14.6	14.8	2.07	1080	1.62	1.96	5.6	5.5	1070	45.1
S047136		19.90	0.21	0.7	0.075	1.33	14.6	13.8	2.40	982	1.90	2.44	6.0	5.9	1120	10.9

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

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117080

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047101		96.0	<0.002	0.33	9.64	17.8	1	1.7	488	0.44	<0.05	6.59	0.404	1.74	1.9	136
S047102		48.1	<0.002	0.07	1.64	18.8	1	1.3	763	0.48	<0.05	5.46	0.464	0.63	1.8	158
S047103		43.0	<0.002	0.04	0.62	20.6	1	1.2	762	0.49	<0.05	6.03	0.463	0.59	1.8	161
S047104		40.8	<0.002	0.07	1.41	19.8	1	1.3	758	0.45	<0.05	6.15	0.448	0.48	2.1	153
S047105		57.7	<0.002	0.07	5.91	18.4	1	1.4	626	0.46	<0.05	5.51	0.445	1.15	1.8	148
S047106		56.1	<0.002	0.09	5.63	18.0	1	1.4	644	0.45	<0.05	5.75	0.443	1.08	1.9	150
S047107		116.5	<0.002	0.49	22.9	19.3	1	1.4	384	0.45	0.16	5.52	0.442	2.79	1.7	152
S047108		55.7	<0.002	0.10	5.75	17.2	1	1.2	643	0.44	<0.05	5.44	0.426	1.09	1.9	144
S047109		56.9	<0.002	0.21	1.64	17.1	1	1.2	714	0.43	<0.05	5.08	0.450	0.78	1.7	151
S047110		48.8	<0.002	0.23	11.60	24.6	1	1.2	628	0.38	<0.05	4.63	0.549	0.59	1.4	192
S047111		45.6	<0.002	0.24	40.3	24.9	2	1.2	278	0.35	<0.05	4.67	0.526	0.87	1.2	194
S047112		81.5	<0.002	0.27	45.9	15.5	1	0.9	380	0.29	<0.05	2.84	0.404	1.55	1.2	139
S047113		1.6	<0.002	<0.01	0.13	0.2	<1	<0.2	48.7	<0.05	<0.05	0.08	<0.005	<0.02	0.5	2
S047114		41.2	<0.002	0.12	18.25	24.2	1	1.2	459	0.39	<0.05	4.06	0.561	0.83	1.2	194
S047115		41.1	<0.002	0.12	1.21	21.5	1	1.2	793	0.39	<0.05	4.00	0.535	0.51	1.4	180
S047116		39.8	<0.002	0.12	1.74	22.9	1	1.2	833	0.35	<0.05	4.59	0.519	0.67	1.5	197
S047117		37.1	0.002	0.11	1.70	23.1	1	1.1	818	0.36	<0.05	4.53	0.516	0.70	1.4	191
S047118		48.6	<0.002	0.05	1.67	22.7	1	1.1	824	0.37	<0.05	4.65	0.519	0.65	1.7	195
S047119		43.9	<0.002	0.12	31.8	23.0	1	1.3	548	0.38	<0.05	5.18	0.532	0.83	1.8	190
S047120		96.8	<0.002	0.26	26.7	22.5	1	1.1	456	0.33	<0.05	3.52	0.498	3.68	1.5	186
S047121		120.0	<0.002	0.41	40.2	15.6	1	1.6	327	0.51	<0.05	4.85	0.420	3.07	2.7	140
S047122		117.5	<0.002	0.09	12.90	3.1	1	1.3	148.5	1.00	<0.05	9.84	0.111	2.51	6.6	22
S047123		124.5	<0.002	0.11	5.87	4.0	1	1.4	181.5	0.93	<0.05	9.32	0.147	2.63	6.5	31
S047124		123.0	<0.002	0.08	8.12	4.3	1	1.4	186.0	0.91	<0.05	9.34	0.151	2.77	6.3	32
S047125		94.5	<0.002	1.13	48.8	2.7	1	1.6	120.5	0.84	<0.05	7.76	0.074	2.11	10.2	22
S047126		149.0	<0.002	4.61	64.9	8.4	2	7.8	91.9	0.53	1.21	10.05	0.203	2.58	4.6	60
S047127		95.9	<0.002	0.25	45.1	25.1	1	1.3	264	0.37	<0.05	4.56	0.555	3.16	2.5	200
S047128		50.5	<0.002	0.06	3.13	22.0	1	1.3	758	0.38	<0.05	4.97	0.517	0.80	1.6	193
S047129		36.7	<0.002	0.06	5.92	16.8	<1	1.2	698	0.33	<0.05	3.44	0.504	0.95	1.3	187
S047130		152.0	0.005	2.67	27.7	8.5	1	5.5	105.5	0.48	0.32	11.45	0.203	2.60	5.2	65
S047131		19.4	<0.002	0.02	1.35	17.1	1	1.1	840	0.35	<0.05	3.10	0.535	0.47	1.2	196
S047132		104.5	<0.002	1.21	17.55	17.7	<1	1.4	430	0.29	0.10	4.25	0.435	1.95	1.7	165
S047133		0.9	<0.002	0.01	0.08	0.2	<1	<0.2	47.2	<0.05	<0.05	0.08	<0.005	<0.02	0.7	2
S047134		21.7	<0.002	0.04	2.52	16.7	1	1.2	804	0.34	<0.05	3.07	0.510	0.43	1.2	187
S047135		28.8	<0.002	0.05	3.92	16.1	1	1.0	735	0.34	<0.05	3.35	0.490	0.65	1.4	182
S047136		21.5	<0.002	0.02	1.01	17.6	<1	1.2	842	0.35	<0.05	3.31	0.521	0.41	1.2	192

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Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117080

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047101		5.7	18.0	152	13.0	0.025
S047102		2.2	18.1	95	12.6	0.010
S047103		0.6	18.4	86	17.4	<0.005
S047104		0.6	19.4	82	14.3	0.008
S047105		1.3	18.2	149	12.2	0.017
S047106		1.0	17.7	124	12.2	0.023
S047107		6.4	16.7	571	15.3	0.022
S047108		2.6	16.8	81	11.0	0.010
S047109		0.9	17.5	86	12.7	0.011
S047110		3.3	22.4	129	15.9	0.013
S047111		4.8	22.1	111	15.2	0.356
S047112		2.3	15.7	81	12.7	0.007
S047113		0.1	0.7	17	<0.5	<0.005
S047114		1.8	20.2	117	14.8	0.016
S047115		0.5	20.1	88	14.4	0.005
S047116		0.7	21.0	91	14.9	<0.005
S047117		0.7	20.7	90	14.9	<0.005
S047118		0.4	21.0	86	15.3	0.005
S047119		2.1	20.2	98	16.0	<0.005
S047120		5.3	19.0	65	13.0	0.006
S047121		2.6	15.9	101	20.6	0.008
S047122		1.8	10.7	61	53.8	<0.005
S047123		2.0	10.1	77	51.3	0.007
S047124		2.3	11.0	71	51.3	0.007
S047125		2.1	9.4	159	41.7	0.063
S047126		6.0	10.0	2360	27.7	0.935
S047127		3.8	19.6	81	13.7	0.005
S047128		1.0	18.8	99	15.8	0.005
S047129		1.5	15.4	101	13.8	0.005
S047130		5.6	11.1	871	29.8	0.391
S047131		0.5	14.9	97	15.2	<0.005
S047132		1.6	16.4	209	13.9	0.046
S047133		0.1	0.7	17	<0.5	<0.005
S047134		0.5	15.1	91	14.5	<0.005
S047135		1.0	14.4	93	13.3	0.007
S047136		0.6	14.9	90	15.3	<0.005

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

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Project: Klaza

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117080

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117081

Project: Klaza

P.O. No.: Batch 37

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

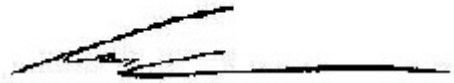
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117081

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047137		2.28	0.12	8.44	4.8	1200	1.21	0.08	5.15	0.15	38.7	21.2	15	5.78	34.8	5.58
S047138		1.42	0.21	8.31	9.7	1250	1.18	0.08	5.60	0.14	36.0	19.0	15	18.90	54.2	5.63
S047139		<0.02	0.19	8.47	9.9	1240	1.17	0.07	5.54	0.16	37.8	18.8	15	19.10	54.3	5.60
S047140		1.36	0.13	8.32	8.4	1020	1.43	0.08	4.28	0.20	34.4	19.2	15	21.8	43.9	5.65
S047141		1.72	0.09	8.07	11.6	1310	1.31	0.14	5.04	0.17	34.4	20.4	15	6.09	22.7	5.89
S047142		0.34	11.45	6.42	1495	520	1.38	11.75	1.80	31.2	45.2	17.7	19	13.20	272	6.32
S047143		7.30	0.13	8.52	7.2	1310	1.26	0.11	4.90	0.18	42.7	23.9	15	7.40	34.1	5.76
S047144		1.32	0.10	8.37	6.8	1280	1.21	0.07	5.04	0.14	39.2	21.4	15	8.07	21.2	5.72
S047145		1.40	4.24	7.97	255	240	1.26	4.76	4.03	8.85	38.6	38.5	14	10.45	59.9	9.19
S047146		1.62	0.12	8.51	5.0	1280	1.18	0.09	5.35	0.16	37.9	21.5	15	4.83	34.0	5.90
S047147		3.88	0.09	8.10	6.9	1220	1.02	0.09	5.35	0.13	41.4	22.2	17	5.57	25.7	5.77
S047148		2.14	0.10	8.37	7.5	1220	1.14	0.12	5.36	0.17	45.2	23.0	15	6.20	26.5	5.77
S047149		4.08	0.13	8.33	11.2	1220	1.08	0.13	5.13	0.12	43.3	23.0	15	6.97	42.4	5.84
S047150		2.98	0.29	8.40	112.5	1060	1.12	0.69	4.72	1.28	48.0	36.9	20	7.70	30.4	7.03
S047151		6.06	0.01	0.07	1.1	20	<0.05	0.03	21.1	0.06	1.19	0.8	2	0.26	2.3	0.50
S047152		1.48	0.16	8.74	6.6	1220	1.09	0.08	5.45	0.18	40.3	23.2	16	6.80	27.1	5.83
S047153		4.78	2.29	8.01	162.5	830	1.41	4.29	0.14	4.47	38.6	4.7	62	30.9	551	4.19
S047154		5.20	1.38	7.88	95.9	970	1.50	1.83	0.23	3.56	26.9	4.4	66	28.1	664	3.61
S047155		4.26	1.85	8.05	67.7	790	1.47	2.25	0.14	2.26	33.4	1.7	66	31.3	413	3.13
S047156		4.72	1.25	8.67	24.1	570	1.39	1.74	0.08	1.73	28.8	2.2	71	13.40	287	1.95
S047157		5.26	2.71	8.26	81.6	1020	1.59	4.04	0.08	1.90	37.3	4.2	66	19.50	894	3.73
S047158		6.50	1.35	8.08	194.0	360	1.52	0.98	0.07	1.00	31.5	2.0	59	18.55	957	4.77
S047159		12.00	1.57	7.73	69.2	1130	1.33	1.22	0.05	0.31	32.2	1.8	57	14.65	367	3.94
S047160		9.84	0.89	7.14	19.0	1850	0.96	1.30	0.03	0.12	28.8	0.9	50	8.98	234	4.01
S047161		0.34	4.41	6.82	723	750	1.40	3.53	2.09	10.85	45.7	12.4	26	14.25	315	5.07
S047162		6.36	0.96	6.91	23.0	1810	1.15	1.06	0.04	0.10	18.90	0.5	44	9.16	232	4.18
S047163		4.76	2.29	7.21	24.0	2360	1.05	1.25	0.03	0.15	13.50	0.7	51	7.93	274	4.10
S047164		4.40	1.97	7.59	24.0	1570	1.41	0.87	0.13	0.23	33.1	0.8	58	10.95	436	4.12
S047165		6.34	1.43	7.55	129.0	1690	1.41	3.08	0.04	0.34	32.4	2.6	57	9.73	613	4.96
S047166		6.14	0.01	0.07	0.9	70	0.05	0.04	20.7	0.06	1.10	0.7	1	0.30	5.0	0.46
S047167		10.76	1.67	7.24	22.6	1620	1.07	1.28	0.07	0.22	18.95	4.0	55	7.52	770	4.29
S047168		10.36	0.97	7.61	16.1	1060	1.57	1.08	0.37	3.16	39.7	7.1	53	8.76	840	3.90
S047169		5.48	3.67	7.24	81.4	520	1.50	1.30	0.79	15.65	24.1	14.6	50	11.80	3520	4.07
S047170		7.70	14.25	7.47	214	490	1.80	6.32	0.07	32.9	24.8	6.3	50	16.45	2610	4.48
S047171		8.22	1.66	7.86	30.4	1190	1.41	1.97	0.08	0.46	31.0	10.3	53	13.40	1460	3.39
S047172		11.30	0.93	7.51	7.5	1100	1.76	1.07	0.70	5.42	35.8	10.7	56	9.36	1235	3.55

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117081

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047137		20.6	0.11	0.8	0.071	1.36	17.5	14.1	2.38	1040	1.91	2.48	6.4	7.3	1140	12.1
S047138		19.70	0.12	0.8	0.083	1.59	16.2	15.8	2.30	1280	1.66	2.35	5.9	7.3	1160	13.0
S047139		19.95	0.12	0.8	0.078	1.57	17.2	15.9	2.29	1260	1.67	2.32	6.1	7.2	1140	13.9
S047140		20.6	0.10	0.8	0.091	1.33	15.3	32.3	1.80	1080	1.73	1.28	6.1	7.1	1150	10.4
S047141		20.3	0.12	0.8	0.084	1.41	15.0	15.7	2.13	1080	1.93	2.48	6.5	7.2	1160	13.7
S047142		14.35	0.09	1.1	0.791	2.77	24.1	19.1	0.76	1720	9.46	0.12	6.6	12.2	520	1245
S047143		21.1	0.13	0.8	0.077	1.53	19.2	17.2	2.54	1100	1.99	2.61	6.7	7.4	1210	13.3
S047144		20.9	0.11	0.8	0.076	1.63	17.2	20.4	2.45	1230	1.95	2.47	6.6	7.4	1200	12.2
S047145		19.20	0.09	0.6	0.189	1.84	19.2	26.9	1.91	1560	1.68	1.33	5.3	7.7	990	416
S047146		20.3	0.10	0.8	0.065	1.38	16.6	11.5	2.45	1120	1.86	2.62	6.5	7.2	1250	11.6
S047147		22.9	0.10	0.8	0.073	1.25	19.3	11.6	2.47	1130	2.34	2.58	6.5	7.5	1220	10.4
S047148		23.9	0.12	0.7	0.075	1.29	21.6	12.4	2.48	1140	2.16	2.58	6.5	7.8	1240	12.5
S047149		22.9	0.10	0.9	0.084	1.32	20.5	12.6	2.54	1220	1.74	2.58	6.0	7.3	1300	9.9
S047150		22.3	0.13	0.7	0.189	1.47	25.9	11.0	2.31	1280	1.87	2.15	5.6	8.1	1170	84.9
S047151		0.28	<0.05	<0.1	<0.005	0.03	0.6	1.0	13.00	211	0.11	0.01	0.2	1.3	180	1.4
S047152		23.5	0.10	0.8	0.094	1.42	19.7	11.2	2.66	1180	1.84	2.54	6.0	7.9	1060	14.2
S047153		20.8	0.09	1.7	0.267	2.37	21.1	22.1	0.30	472	6.60	0.04	8.2	11.3	630	181.0
S047154		20.6	0.09	1.2	0.257	2.62	14.0	19.3	0.36	300	6.16	0.04	8.1	16.2	730	113.0
S047155		20.1	0.09	1.2	0.267	2.88	17.6	19.7	0.35	230	4.36	0.05	7.8	9.1	660	156.5
S047156		21.6	0.08	1.4	0.146	1.85	15.9	35.0	0.19	264	3.34	0.04	9.0	8.1	430	75.7
S047157		20.4	0.12	1.4	0.211	3.14	20.4	26.9	0.25	232	4.77	0.07	8.4	13.4	640	112.5
S047158		20.1	0.09	1.4	0.138	2.51	17.0	38.8	0.30	86	3.88	0.04	5.1	9.1	650	79.8
S047159		19.75	0.09	1.3	0.186	3.88	17.9	26.1	0.24	71	1.80	0.21	5.1	6.8	550	82.1
S047160		15.70	0.08	1.2	0.078	5.91	15.9	9.0	0.21	28	17.50	0.40	4.3	4.3	430	75.8
S047161		16.05	0.11	1.1	0.313	3.00	26.2	27.0	0.78	1910	15.40	0.15	6.2	14.7	530	493
S047162		16.85	0.11	1.2	0.127	5.23	10.8	12.4	0.23	24	4.60	0.70	4.1	3.8	490	80.2
S047163		16.00	0.10	1.3	0.237	6.25	7.6	25.0	0.23	31	13.05	0.43	4.0	6.9	560	136.0
S047164		18.90	0.10	1.2	0.331	4.83	17.9	25.7	0.63	80	1.13	0.63	4.9	10.8	670	136.5
S047165		19.15	0.11	1.1	0.615	5.05	18.9	17.5	0.59	76	1.93	0.60	4.2	20.8	930	183.5
S047166		0.26	0.07	<0.1	0.006	0.04	0.6	1.2	12.65	196	0.12	0.01	0.2	1.4	170	2.1
S047167		17.40	0.09	1.3	0.234	5.09	10.7	13.3	0.71	111	4.19	0.79	5.2	13.9	550	86.2
S047168		19.90	0.16	1.3	0.209	4.08	21.8	26.3	0.99	222	3.21	1.42	6.1	24.1	590	40.2
S047169		18.25	0.16	1.2	0.331	4.58	12.9	16.8	0.59	405	3.70	0.38	4.8	23.4	580	56.7
S047170		18.20	0.14	1.2	0.907	3.16	13.8	16.0	0.40	88	2.12	0.04	4.3	26.8	540	491
S047171		17.45	0.16	1.2	0.180	4.66	17.2	20.9	0.57	83	4.05	0.44	5.2	30.3	560	81.8
S047172		18.45	0.19	1.2	0.129	4.22	19.3	21.6	1.20	344	3.01	1.25	6.3	22.5	610	60.1

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117081

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047137		32.9	<0.002	0.03	1.31	22.6	1	1.4	848	0.34	<0.05	4.22	0.540	0.45	1.5	199
S047138		45.0	<0.002	0.06	3.66	21.4	1	1.8	900	0.33	0.05	3.78	0.523	0.89	1.4	197
S047139		52.7	<0.002	0.05	3.86	21.4	1	1.8	885	0.34	<0.05	4.14	0.516	0.91	1.5	196
S047140		33.4	<0.002	0.04	13.15	21.6	1	1.5	563	0.35	<0.05	4.20	0.534	0.63	1.6	200
S047141		26.0	<0.002	0.02	2.09	21.2	1	1.5	858	0.36	<0.05	3.81	0.547	0.56	1.5	203
S047142		163.0	<0.002	4.52	60.6	9.4	2	7.8	96.1	0.50	0.97	11.45	0.201	2.58	6.4	59
S047143		34.3	<0.002	0.08	1.16	24.1	1	1.5	907	0.37	<0.05	4.48	0.548	0.64	1.7	207
S047144		43.6	<0.002	0.01	2.02	22.4	1	1.3	857	0.34	<0.05	4.90	0.538	0.90	1.7	199
S047145		94.6	<0.002	4.90	9.47	20.5	1	3.6	501	0.29	0.22	3.95	0.475	1.36	2.3	179
S047146		26.3	<0.002	0.01	0.90	23.1	1	1.3	889	0.35	<0.05	3.59	0.570	0.50	1.3	212
S047147		27.9	0.002	0.03	1.13	25.4	1	2.2	868	0.39	<0.05	3.65	0.549	0.58	1.4	205
S047148		35.1	<0.002	0.04	1.24	25.5	1	3.0	868	0.38	<0.05	3.96	0.536	0.58	1.5	205
S047149		40.9	<0.002	0.09	1.98	24.5	1	1.3	899	0.39	<0.05	3.98	0.546	0.77	1.6	207
S047150		88.6	<0.002	1.92	2.47	22.6	1	1.8	738	0.34	0.25	4.17	0.504	0.87	2.0	195
S047151		1.3	<0.002	<0.01	<0.05	0.2	<1	<0.2	49.6	<0.05	<0.05	0.08	<0.005	<0.02	0.8	3
S047152		37.9	<0.002	0.02	2.04	24.5	1	1.2	877	0.38	<0.05	3.92	0.533	0.73	1.5	212
S047153		110.5	<0.002	0.16	33.8	9.0	1	5.6	76.7	0.71	0.54	9.18	0.257	2.97	3.8	89
S047154		118.0	<0.002	0.12	24.8	10.2	1	5.0	48.9	0.73	0.60	11.85	0.252	3.16	4.2	92
S047155		128.0	<0.002	0.28	14.05	14.1	1	5.7	119.5	0.71	0.57	10.45	0.250	3.03	5.8	90
S047156		72.0	<0.002	0.18	12.30	13.0	1	6.6	102.5	0.82	0.43	10.20	0.276	1.61	4.2	87
S047157		118.5	<0.002	0.11	34.9	12.2	2	5.9	74.2	0.76	1.40	9.39	0.260	2.63	5.3	91
S047158		126.5	<0.002	0.09	37.4	8.2	2	4.1	39.9	0.47	0.24	9.42	0.183	2.46	3.6	77
S047159		153.5	<0.002	0.48	32.8	7.7	3	4.6	123.5	0.48	0.18	9.17	0.180	2.43	2.6	74
S047160		181.0	<0.002	0.79	2.80	7.7	4	3.6	175.5	0.37	0.10	8.56	0.156	2.82	1.5	71
S047161		150.5	0.004	2.73	28.8	8.4	1	5.8	108.0	0.53	0.35	10.25	0.204	2.62	5.1	66
S047162		155.0	<0.002	0.93	4.03	6.9	3	3.3	190.0	0.39	0.14	8.26	0.158	2.43	1.5	65
S047163		152.5	<0.002	0.68	4.70	7.7	3	3.5	204	0.39	0.17	8.59	0.145	2.68	1.8	71
S047164		160.0	<0.002	0.38	5.46	8.7	2	5.2	210	0.43	0.19	10.85	0.169	2.41	2.5	71
S047165		167.5	<0.002	1.06	5.76	9.9	3	5.8	201	0.40	0.53	18.60	0.152	2.49	3.6	72
S047166		1.8	<0.002	<0.01	0.08	0.2	<1	<0.2	51.1	<0.05	<0.05	0.16	<0.005	0.02	0.8	2
S047167		157.0	<0.002	1.97	3.51	8.4	4	4.8	192.0	0.51	0.14	9.45	0.165	2.49	2.4	70
S047168		171.0	<0.002	2.30	2.40	10.1	3	5.3	246	0.52	0.14	9.94	0.193	2.40	3.3	73
S047169		172.0	<0.002	3.21	10.45	8.9	4	4.9	153.5	0.44	0.11	9.30	0.161	2.89	4.0	68
S047170		198.0	<0.002	4.02	102.5	9.7	3	7.5	24.8	0.38	0.67	8.91	0.148	3.30	5.3	68
S047171		193.5	<0.002	2.52	8.30	9.4	2	4.6	139.0	0.45	0.15	9.47	0.171	2.85	6.2	68
S047172		182.0	<0.002	2.43	1.77	9.4	2	4.3	233	0.55	0.14	10.40	0.196	2.48	4.1	71

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117081

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047137		0.5	19.3	98	17.2	<0.005
S047138		0.7	17.8	91	17.4	0.007
S047139		0.7	18.4	90	17.8	0.006
S047140		1.5	17.4	99	16.9	0.007
S047141		0.8	17.9	102	16.3	<0.005
S047142		6.2	12.0	2310	29.4	0.873
S047143		0.5	21.0	100	17.7	<0.005
S047144		0.7	19.9	99	16.8	<0.005
S047145		2.1	17.0	761	15.2	0.454
S047146		0.4	19.8	101	17.2	<0.005
S047147		0.5	20.5	96	17.1	<0.005
S047148		0.5	21.3	97	17.8	<0.005
S047149		0.7	20.5	93	19.0	<0.005
S047150		1.6	20.1	217	18.3	0.046
S047151		0.1	0.9	17	<0.5	<0.005
S047152		0.6	19.9	101	19.3	<0.005
S047153		9.7	7.3	397	55.8	0.073
S047154		8.2	7.6	440	36.8	0.041
S047155		8.2	4.7	260	33.4	0.068
S047156		14.3	5.6	172	38.2	0.038
S047157		7.6	7.7	312	45.9	0.049
S047158		9.7	5.4	315	38.1	0.112
S047159		9.4	4.1	220	36.1	0.165
S047160		13.2	3.6	104	31.7	0.056
S047161		5.8	11.2	877	31.7	0.361
S047162		12.0	2.2	77	32.6	0.042
S047163		11.2	2.3	98	36.4	0.098
S047164		10.2	3.7	143	32.8	0.137
S047165		9.4	3.4	181	31.4	0.120
S047166		0.1	0.7	18	0.5	<0.005
S047167		10.6	3.2	115	34.4	0.122
S047168		11.1	6.5	168	34.4	0.124
S047169		8.1	8.1	232	33.0	0.212
S047170		9.6	5.3	2240	30.1	0.165
S047171		10.5	5.3	147	31.2	0.095
S047172		10.6	9.7	277	32.9	0.051

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117081

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
This copy reported on 9-SEP-2016
Account: ROCKHA

CERTIFICATE VA16117083

Project: Klaza

P.O. No.: Batch 38

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

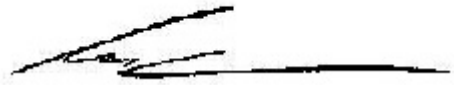
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for all methods on samples K290713 to K290719.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117083

Sample Description	Method	WEI-21	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
K290689		3.52			1.19	9.67	23.8	490	1.71	4.33	1.99	0.45	46.2	14.6	8	15.55
K290690		1.62			0.51	6.68	16.8	790	1.27	0.42	0.84	1.24	43.6	5.5	12	12.50
K290691		1.60			7.25	6.89	139.0	750	1.35	6.72	1.79	14.10	52.9	4.4	9	8.39
K290692		3.08			0.24	7.99	19.8	830	1.62	0.50	1.59	0.39	63.1	5.7	9	15.10
K290693		1.68			0.35	7.64	41.0	1990	1.42	0.73	2.02	0.32	62.1	5.7	10	13.75
K290694		0.56			1.16	7.60	59.2	1830	1.38	1.71	2.18	0.43	64.4	4.8	11	12.40
K290695		6.96			0.26	7.83	16.6	1070	1.56	0.94	1.34	0.20	58.4	6.7	9	12.65
K290696		7.58			6.48	8.00	23.3	1960	1.70	6.89	1.88	0.61	51.1	6.6	10	20.3
K290697		0.34			4.44	6.79	704	660	1.41	3.71	2.10	11.00	49.0	12.0	24	14.00
K290698		1.70			1.73	7.64	22.7	1590	1.51	2.48	2.28	0.41	54.5	5.6	9	17.25
K290699		1.68			0.47	7.56	24.0	1310	1.51	0.74	2.90	0.44	54.0	8.3	11	16.90
K290700		1.12			0.91	7.08	52.0	1790	2.01	0.69	2.54	0.96	58.3	8.3	11	27.9
K290701		1.54			0.18	8.02	15.7	2630	1.50	0.47	2.74	0.21	59.0	4.9	9	20.5
K290702		3.24			0.43	7.58	24.0	1470	1.46	0.92	2.48	0.51	54.6	6.2	10	19.95
K290703		1.44			5.01	6.81	499	2250	1.39	2.35	1.37	10.35	43.1	8.4	9	8.49
K290704		5.04			0.02	0.07	0.2	110	0.07	0.04	20.4	0.07	1.26	0.7	1	0.19
K290705		2.02			1.35	7.10	28.8	770	1.29	1.18	1.89	0.82	37.4	10.8	9	13.50
K290706		2.84			2.17	7.07	45.1	800	1.29	1.28	2.44	2.91	43.6	6.9	8	9.24
K290707		1.58			5.62	6.93	47.8	720	1.33	2.78	2.04	9.36	47.8	7.9	9	8.02
K290708		1.08			1.54	7.14	42.1	970	1.56	2.68	1.92	0.42	49.8	7.0	9	9.71
K290709		2.90			1.12	7.01	54.6	2010	1.63	0.69	2.48	0.19	53.1	5.3	9	16.55
K290710		7.42			0.67	7.76	24.6	950	1.26	0.46	0.87	0.46	56.1	6.6	9	18.10
K290711		0.38			11.75	6.60	1530	1010	1.35	12.20	1.83	32.4	44.3	17.7	18	13.85
K290712		3.82			0.18	7.87	22.5	770	1.50	0.64	1.08	0.78	56.3	7.1	9	22.2
K290713		1.42			17.75	7.14	481	650	1.47	2.57	1.45	24.8	43.0	7.3	10	13.50
K290714		1.28			1.08	7.30	230	840	1.39	1.13	2.38	0.54	47.1	7.3	9	18.85
K290715		1.52		1.610	46.1	6.29	3120	690	1.05	27.8	0.61	151.0	36.7	7.0	9	7.72
K290716		4.90			0.08	0.07	3.0	30	0.07	0.05	21.1	0.26	1.27	0.7	1	0.19
K290717		2.02			6.39	7.69	1265	380	1.27	0.90	0.39	37.0	54.4	6.0	9	12.75
K290718		1.46	0.965		67.9	6.37	9000	380	1.10	1.28	0.55	128.0	41.7	4.7	9	11.50
K290719		2.68			0.48	7.20	69.0	1900	1.51	0.27	2.60	0.86	39.7	4.6	12	17.05
K290720		<0.02			0.41	7.37	74.8	1840	1.54	0.25	2.40	0.78	47.4	4.2	11	16.90
K290721		1.56			0.88	7.07	17.1	410	1.24	0.84	4.25	0.30	72.9	10.1	39	7.37
K290722		1.58			0.18	7.46	11.9	180	1.56	0.41	2.99	0.17	54.0	5.3	45	8.06
K290723		1.38			0.14	8.01	15.9	590	1.55	0.18	2.10	0.19	38.3	5.3	8	16.65
K290724		1.22			1.10	5.33	23.3	250	0.99	1.27	5.91	0.67	63.5	12.5	30	7.66

Comments: ***Corrected copy for all methods on samples K290713 to K290719.***

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117083

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K290689		4.4	7.80	30.8	0.09	1.4	0.103	4.42	24.1	189.0	0.91	1520	3.17	0.05	6.4	4.8
K290690		4.6	2.21	13.65	0.07	1.1	0.064	2.69	24.2	134.0	0.45	818	9.24	0.03	6.2	1.8
K290691		152.5	3.38	14.75	0.08	1.2	0.246	3.28	29.3	19.9	0.71	1740	6.76	0.04	6.4	1.7
K290692		6.9	2.69	16.75	0.07	1.3	0.060	2.81	35.5	232	0.65	941	0.68	0.03	8.1	2.2
K290693		11.4	2.92	16.00	0.07	1.2	0.075	3.05	33.4	180.0	0.75	1080	0.92	0.03	8.1	2.4
K290694		13.5	2.99	15.45	0.10	1.2	0.081	3.12	36.3	150.5	0.81	1160	1.14	0.03	7.6	2.0
K290695		25.9	3.07	16.40	0.09	1.2	0.078	2.22	32.7	260	0.59	727	0.51	0.03	8.5	2.3
K290696		14.5	3.16	17.50	0.09	1.4	0.142	2.73	26.8	163.0	0.68	854	0.88	0.04	8.2	2.7
K290697		313	5.03	14.90	0.07	1.1	0.294	2.98	28.1	27.3	0.78	1840	14.20	0.15	6.2	14.3
K290698		15.8	2.92	15.95	0.08	1.3	0.050	3.19	29.2	41.9	0.82	828	1.58	0.04	8.1	2.2
K290699		21.1	3.22	15.55	0.08	1.1	0.038	3.30	30.1	19.1	1.02	1180	1.73	0.05	5.9	2.5
K290700		24.0	2.81	15.55	0.09	1.8	0.052	2.81	31.2	40.8	0.96	1420	7.56	0.03	8.1	4.1
K290701		3.4	2.05	16.70	0.08	1.3	0.044	3.43	31.6	64.3	1.11	726	2.58	0.04	8.7	2.4
K290702		5.1	2.47	15.35	0.09	1.3	0.048	3.24	29.7	41.9	0.98	800	1.21	0.05	7.9	2.2
K290703		29.6	4.45	15.30	0.07	1.1	0.352	3.24	21.5	13.0	0.63	2370	13.75	0.03	6.0	2.1
K290704		6.3	0.49	0.23	0.16	<0.1	<0.005	0.02	0.6	1.1	12.45	219	1.00	<0.01	0.1	5.9
K290705		4.2	3.52	15.65	0.15	1.3	0.052	3.18	18.6	10.7	0.86	2040	7.80	0.04	6.9	2.8
K290706		12.2	3.26	15.25	0.14	1.2	0.075	3.35	21.7	6.7	0.99	2460	2.97	0.04	5.7	2.4
K290707		16.3	3.43	15.20	0.14	1.3	0.071	3.25	25.9	8.1	0.86	1980	14.55	0.04	6.5	2.1
K290708		91.1	2.79	15.90	0.13	1.3	0.145	3.35	27.6	9.1	0.76	1450	3.91	0.04	7.8	2.0
K290709		21.5	2.36	15.65	0.13	1.4	0.089	3.06	29.5	42.3	0.86	1050	2.96	0.04	7.9	2.1
K290710		26.6	2.59	17.30	0.12	1.4	0.089	1.42	31.4	520	0.42	793	3.75	0.02	8.8	2.4
K290711		288	6.56	15.20	0.10	1.1	0.776	2.89	23.7	19.2	0.76	1810	8.91	0.12	6.5	11.8
K290712		24.2	2.96	17.35	0.09	1.3	0.150	1.71	30.3	428	0.46	852	1.83	0.03	8.4	2.3
K290713		145.5	3.87	15.75	0.10	1.1	0.548	3.20	22.2	52.5	0.59	1870	3.73	0.03	7.5	2.6
K290714		39.3	3.15	15.65	0.09	1.1	0.069	3.07	24.4	76.9	0.80	1560	1.63	0.03	7.8	2.7
K290715		1140	6.35	13.55	0.09	0.8	5.92	2.89	19.1	9.5	0.36	927	3.49	0.02	6.0	2.9
K290716		3.2	0.51	0.23	0.09	<0.1	0.012	0.03	0.6	1.1	13.05	227	0.08	<0.01	0.2	1.8
K290717		28.3	3.54	15.55	0.11	1.1	0.100	3.54	29.9	10.0	0.41	984	2.82	0.02	7.6	2.4
K290718		497	5.76	13.95	0.10	0.9	0.400	2.92	21.2	10.9	0.42	1540	10.45	0.02	6.0	2.6
K290719		37.3	2.76	15.90	0.08	1.1	0.044	3.16	19.2	41.7	0.70	968	1.77	1.23	8.0	2.6
K290720		40.7	2.71	16.40	0.09	1.2	0.045	3.11	25.0	44.0	0.67	948	3.07	1.21	7.9	2.3
K290721		5.8	3.26	18.05	0.13	2.1	0.091	1.53	34.6	38.7	0.96	1270	0.62	0.06	6.4	3.4
K290722		10.5	2.62	19.55	0.09	2.6	0.092	0.43	26.4	67.6	0.80	975	0.62	0.03	6.6	2.4
K290723		19.3	3.09	22.1	0.09	2.5	0.067	1.23	17.4	123.0	0.63	789	0.64	0.04	9.5	2.1
K290724		13.0	3.37	12.55	0.11	1.7	0.083	1.17	33.5	67.3	1.83	1580	1.92	0.04	4.4	2.7

Comments: ***Corrected copy for all methods on samples K290713 to K290719.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117083

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
K290689		690	53.0	211	<0.002	6.03	15.55	11.5	1	1.8	135.5	0.65	1.89	13.95	0.233	4.17
K290690		470	95.6	161.0	<0.002	0.92	67.6	7.8	1	2.0	89.8	0.53	0.16	14.15	0.194	2.49
K290691		460	823	202	<0.002	2.45	83.1	9.0	1	4.1	36.4	0.60	0.16	15.20	0.181	2.82
K290692		630	29.0	159.0	<0.002	1.07	27.2	10.1	1	2.8	195.0	0.71	0.15	17.65	0.238	2.50
K290693		640	20.7	150.0	<0.002	1.07	24.1	10.4	1	2.6	181.0	0.71	0.26	16.15	0.236	2.60
K290694		570	27.8	169.0	<0.002	1.17	24.5	10.0	1	2.5	139.5	0.67	1.13	16.90	0.218	2.61
K290695		620	13.6	122.5	<0.002	1.13	40.0	10.3	1	2.7	163.5	0.71	0.32	16.80	0.250	1.87
K290696		600	112.5	127.0	<0.002	1.28	21.6	10.6	1	3.4	103.0	0.73	2.57	15.55	0.247	2.42
K290697		510	489	162.5	0.003	2.69	31.8	8.9	1	6.2	108.0	0.50	0.31	11.85	0.205	2.48
K290698		560	30.6	178.0	<0.002	1.46	15.40	9.9	1	2.8	84.9	0.85	1.57	15.40	0.212	2.53
K290699		570	24.3	183.5	<0.002	1.75	14.60	9.2	1	2.4	82.9	0.49	0.25	14.00	0.191	2.78
K290700		640	63.3	167.5	<0.002	1.57	25.9	8.5	1	2.2	445	0.69	0.24	12.55	0.232	2.71
K290701		660	15.6	183.0	<0.002	1.10	5.80	10.9	1	3.1	142.0	0.71	0.18	15.30	0.265	2.78
K290702		520	25.6	186.0	<0.002	1.49	7.85	9.0	1	2.8	89.5	0.73	0.34	18.15	0.219	2.81
K290703		460	382	199.0	<0.002	4.19	40.6	8.3	1	3.6	49.0	0.52	0.60	13.95	0.171	2.84
K290704		170	6.0	1.5	0.002	0.01	0.09	0.2	<1	<0.2	49.1	<0.05	<0.05	0.10	<0.005	0.02
K290705		550	54.8	184.0	<0.002	3.08	15.30	9.6	1	2.0	39.9	0.69	0.48	14.70	0.196	3.19
K290706		460	55.5	190.5	<0.002	2.34	10.90	8.7	1	2.2	43.8	0.59	0.53	15.25	0.158	2.71
K290707		460	658	183.5	<0.002	2.73	20.9	8.6	1	3.1	35.4	0.74	1.35	14.05	0.165	2.79
K290708		480	36.0	197.0	<0.002	1.87	36.4	8.9	1	3.6	35.0	0.82	0.50	14.50	0.195	2.80
K290709		500	22.7	157.0	<0.002	0.89	15.55	9.5	<1	2.5	88.6	0.83	0.19	15.55	0.206	2.60
K290710		630	22.5	84.9	<0.002	0.33	47.3	11.0	1	1.9	282	0.81	0.13	16.90	0.257	1.27
K290711		520	1310	165.5	0.002	4.64	62.1	9.4	1	7.8	95.3	0.57	1.10	11.25	0.210	2.59
K290712		680	35.7	92.3	<0.002	0.44	48.1	12.6	1	2.0	211	0.73	0.20	15.10	0.292	1.38
K290713		540	4000	165.0	<0.002	2.95	61.9	9.1	1	4.4	54.1	0.59	0.21	12.15	0.228	3.22
K290714		580	48.6	137.5	<0.002	1.89	21.5	9.8	1	2.2	110.0	0.63	0.13	12.75	0.246	2.95
K290715		450	2390	184.5	<0.002	7.24	333	8.3	1	8.5	29.7	0.47	0.48	10.20	0.188	2.67
K290716		170	11.1	1.6	<0.002	0.01	0.65	0.2	<1	<0.2	49.2	<0.05	<0.05	0.10	<0.005	0.02
K290717		530	1115	203	<0.002	3.02	29.2	9.7	1	3.5	10.7	0.61	0.44	14.15	0.246	3.24
K290718		440	>10000	183.0	<0.002	5.17	198.5	8.3	<1	4.7	20.6	0.48	0.20	11.10	0.199	3.16
K290719		580	66.8	115.0	<0.002	0.55	13.90	9.2	1	1.9	252	0.65	<0.05	11.30	0.255	2.24
K290720		550	51.5	134.0	<0.002	0.55	13.85	10.5	1	1.8	250	0.70	0.06	13.65	0.248	2.25
K290721		910	33.9	93.7	<0.002	1.28	12.85	18.1	2	2.2	101.0	0.45	0.31	7.17	0.386	1.66
K290722		1110	14.8	10.7	<0.002	0.44	23.9	20.4	1	2.7	97.1	0.47	0.12	6.18	0.491	0.45
K290723		920	13.4	25.3	<0.002	0.22	32.7	11.9	1	1.3	179.0	0.69	0.06	7.14	0.446	0.78
K290724		690	183.5	75.4	<0.002	1.25	45.9	14.9	1	2.9	178.0	0.27	0.55	5.73	0.316	1.16

Comments: ***Corrected copy for all methods on samples K290713 to K290719.***

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117083

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
K290689		4.2	141	2.3	10.4	116	38.9	0.036
K290690		9.0	59	2.9	10.5	155	33.2	0.018
K290691		5.8	55	2.6	11.2	1340	34.4	0.201
K290692		6.4	68	3.0	14.0	84	36.5	0.013
K290693		7.5	69	2.4	14.9	64	36.5	0.014
K290694		7.4	66	2.1	13.8	74	35.2	0.046
K290695		7.1	67	3.6	15.7	64	35.5	0.029
K290696		5.8	74	3.0	15.2	98	37.6	0.582
K290697		5.2	65	5.5	11.9	868	31.5	0.330
K290698		4.4	63	2.5	14.9	75	34.5	0.034
K290699		4.0	62	1.9	15.3	90	31.8	0.017
K290700		10.8	60	3.0	13.9	103	62.0	0.041
K290701		5.7	71	1.7	13.9	56	38.0	<0.005
K290702		5.9	59	1.8	13.2	80	36.9	0.010
K290703		5.0	51	3.5	9.8	781	32.1	0.671
K290704		0.5	2	0.1	0.8	23	<0.5	<0.005
K290705		6.8	63	2.5	13.8	116	34.6	0.026
K290706		6.5	55	1.5	12.1	256	30.8	0.044
K290707		8.8	52	2.3	12.3	910	33.1	0.152
K290708		3.3	54	1.8	11.9	55	35.7	0.120
K290709		10.0	56	2.6	13.7	43	38.2	0.024
K290710		5.4	63	9.4	16.2	77	38.1	0.026
K290711		5.5	61	6.4	11.5	2410	29.6	0.880
K290712		7.1	81	6.0	16.9	87	34.8	0.009
K290713		5.1	65	4.1	10.3	2120	32.0	0.242
K290714		4.4	67	3.8	13.6	87	30.1	0.082
K290715		3.4	55	3.7	9.3	>10000	24.4	3.86
K290716		0.5	2	0.2	0.7	38	<0.5	<0.005
K290717		4.2	70	6.0	8.2	2610	30.1	0.383
K290718		5.9	58	5.0	8.8	8190	24.9	1.415
K290719		4.0	69	1.9	13.7	96	31.1	0.014
K290720		4.6	66	2.0	16.1	90	33.0	0.028
K290721		8.3	125	5.9	19.1	85	73.0	0.011
K290722		3.1	158	10.6	14.3	63	86.0	<0.005
K290723		5.0	93	7.4	12.8	58	83.9	<0.005
K290724		11.0	112	2.9	18.5	93	58.1	0.031

Comments: ***Corrected copy for all methods on samples K290713 to K290719.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117083

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	Pb-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
This copy reported on
9-SEP-2016
Account: ROCKHA

CERTIFICATE VA16117084

Project: Klaza

P.O. No.: Batch 39

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

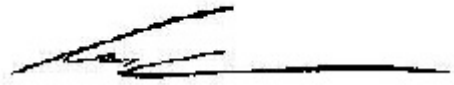
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for Au-AA24 on samples S047198 to S047206.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117084

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047173		11.48	1.00	7.48	9.0	1530	1.72	0.81	0.26	4.64	35.2	10.8	55	9.22	1630	3.31
S047174		7.38	2.22	7.43	10.5	520	1.72	1.08	0.40	6.41	27.3	12.8	51	9.58	3780	4.79
S047175		7.70	1.50	7.51	5.0	1450	1.80	0.88	0.53	2.46	33.2	10.4	60	7.63	1805	3.87
S047176		8.14	1.56	7.51	5.2	1240	1.79	1.03	0.25	0.33	35.3	9.8	55	7.29	1955	3.79
S047177		8.98	1.59	7.54	24.9	1330	2.02	1.23	0.16	0.55	36.7	8.0	54	11.40	1725	3.70
S047178		5.36	1.06	7.65	7.7	1030	1.64	0.92	0.25	0.54	30.0	12.3	53	8.06	1790	4.83
S047179		6.26	0.01	0.07	0.3	270	0.07	0.04	21.2	0.07	1.24	0.8	1	0.16	12.7	0.48
S047180		8.98	1.14	7.62	4.1	1450	1.58	0.92	1.52	3.58	44.7	9.9	62	9.36	720	3.77
S047181		10.92	1.60	7.40	42.0	400	1.56	1.20	1.01	17.90	49.7	11.4	53	15.80	1705	4.11
S047182		6.36	3.42	7.64	101.0	760	2.43	3.91	1.08	12.00	43.5	14.1	55	20.5	2310	4.70
S047183		5.98	0.99	7.59	8.5	1000	1.73	0.67	1.37	8.16	44.8	11.5	55	12.05	870	3.82
S047184		<0.02	1.01	7.40	8.0	1130	1.66	0.68	1.35	7.43	40.9	11.8	62	11.85	864	3.91
S047185		12.60	1.76	7.48	10.2	920	1.76	0.91	1.14	5.79	38.0	10.3	56	11.70	1390	3.50
S047186		13.12	0.96	7.21	12.1	720	1.59	0.78	1.57	2.66	36.7	7.8	56	11.15	617	3.36
S047187		12.52	2.66	6.86	17.0	1050	1.58	0.80	1.80	1.91	34.9	9.9	60	13.00	2160	3.47
S047188		0.36	4.84	6.96	743	500	1.50	3.73	2.15	11.50	51.9	13.6	28	14.45	333	5.22
S047189		11.34	1.81	7.34	23.2	950	1.69	1.09	2.18	1.05	37.4	11.6	63	12.10	1020	4.16
S047190		6.04	1.14	6.86	88.8	1040	1.81	1.19	3.18	3.78	42.3	13.0	65	16.85	409	3.75
S047191		6.46	0.57	7.35	4.6	1470	1.64	0.70	2.72	1.10	41.3	12.4	75	5.64	293	3.84
S047192		11.36	0.72	7.12	13.1	1330	1.58	0.70	2.66	2.35	37.9	11.5	69	5.14	259	3.76
S047193		4.42	0.81	7.59	15.6	1390	1.60	0.69	2.85	2.46	40.1	11.9	72	5.45	286	3.86
S047194		8.06	2.17	7.30	17.3	1390	1.43	11.25	2.47	0.93	39.9	13.6	71	4.81	1190	4.01
S047195		6.26	1.80	7.46	14.5	1180	1.66	1.82	2.11	24.1	41.0	11.1	71	9.40	471	4.01
S047196		11.68	0.79	7.20	3.7	1270	1.62	0.65	1.48	2.79	35.7	11.1	65	5.99	437	3.90
S047197		0.34	11.90	6.38	1525	390	1.41	12.85	1.85	32.6	44.9	18.7	20	13.95	280	6.37
S047198		12.00	0.80	7.31	11.5	1610	1.55	0.80	1.76	4.76	34.7	11.2	62	8.52	434	3.63
S047199		6.68	0.76	7.54	7.0	1600	1.55	0.58	1.83	3.38	37.3	12.5	65	7.63	477	3.70
S047200		5.90	1.14	7.49	39.9	1650	1.39	1.12	1.33	7.48	40.7	14.3	63	11.10	552	3.72
S047201		6.34	1.43	6.47	150.5	400	1.49	0.87	3.28	8.22	31.6	12.9	45	21.0	366	3.95
S047202		6.26	0.07	0.08	0.5	40	0.05	0.03	21.1	0.11	1.26	0.8	1	0.19	5.8	0.50
S047203		5.90	1.13	7.72	39.5	1730	1.51	0.97	2.22	4.55	42.3	12.3	63	9.91	429	3.29
S047204		11.62	0.91	7.41	51.5	1420	1.39	0.76	1.31	9.90	36.9	13.7	64	11.05	348	3.58
S047205		9.02	0.96	6.87	34.2	1450	1.40	1.02	2.04	2.08	32.6	10.2	63	10.20	613	3.56
S047206		5.14	2.77	6.50	74.0	290	1.37	1.92	2.29	12.15	49.9	10.7	53	11.35	979	4.34
S047207		8.70	6.72	5.63	137.5	310	1.21	5.61	2.14	30.1	27.6	12.0	45	11.50	951	5.95
S047208		6.04	3.35	6.97	146.5	520	1.52	3.81	1.84	8.11	40.5	12.9	57	19.80	515	4.42

Comments: ***Corrected copy for Au-AA24 on samples S047198 to S047206.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117084

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047173		19.10	0.15	1.5	0.142	3.94	19.7	18.6	1.18	399	2.87	1.36	6.7	24.9	620	46.1
S047174		17.25	0.14	1.6	0.272	3.73	15.0	18.2	1.11	465	6.62	1.24	6.8	30.9	610	53.7
S047175		19.65	0.18	1.6	0.219	3.74	18.2	17.7	1.33	286	2.63	1.96	7.3	24.1	650	38.0
S047176		18.80	0.20	1.3	0.181	3.67	19.0	17.7	1.15	150	4.47	1.87	6.8	23.3	600	55.7
S047177		18.15	0.16	1.2	0.193	4.17	19.8	20.0	0.74	110	3.11	0.88	6.1	28.0	590	111.5
S047178		17.10	0.15	1.2	0.137	3.96	16.0	22.1	1.20	265	4.75	1.02	6.1	35.1	610	71.0
S047179		0.26	0.12	<0.1	0.005	0.03	0.6	1.1	13.15	207	0.10	0.01	0.2	1.3	190	1.5
S047180		19.90	0.20	1.5	0.142	3.63	23.5	14.5	1.31	302	1.67	1.96	6.5	21.0	650	50.2
S047181		16.35	0.20	1.4	0.154	4.47	25.2	14.9	0.60	420	3.44	0.46	4.8	26.9	610	85.3
S047182		18.30	0.19	1.3	0.200	3.84	23.3	15.4	0.75	939	4.08	0.14	4.8	41.0	600	226
S047183		19.60	0.15	1.4	0.158	3.53	24.4	17.5	1.18	509	1.43	1.59	6.2	22.3	610	33.7
S047184		19.05	0.17	1.4	0.145	3.46	22.0	17.7	1.17	534	1.65	1.52	6.2	22.3	610	34.9
S047185		19.20	0.16	1.4	0.210	3.68	20.6	22.4	1.15	449	3.50	1.47	6.2	22.8	630	39.3
S047186		17.40	0.18	1.3	0.110	4.13	19.7	17.2	1.05	340	6.34	1.24	5.7	18.8	610	32.3
S047187		18.15	0.16	1.4	0.252	3.74	17.9	20.5	1.14	500	4.66	1.40	6.0	20.2	600	28.3
S047188		16.75	0.17	1.1	0.341	3.08	29.7	26.5	0.80	1980	13.90	0.16	6.6	15.6	540	495
S047189		19.00	0.17	1.4	0.229	3.64	19.2	16.8	1.27	773	4.21	1.57	6.4	20.2	700	37.4
S047190		18.65	0.17	1.4	0.161	2.91	20.8	37.0	1.29	1300	5.88	0.68	8.0	24.8	770	90.1
S047191		19.55	0.18	1.4	0.111	3.20	20.2	15.1	1.54	616	6.04	2.59	8.7	25.1	820	24.1
S047192		18.30	0.16	1.4	0.091	2.87	19.0	14.0	1.40	717	6.05	2.46	8.2	23.3	750	58.7
S047193		19.20	0.22	1.4	0.096	2.99	20.4	14.8	1.49	791	6.81	2.54	8.7	24.5	790	57.6
S047194		18.70	0.16	1.3	0.169	3.18	20.2	13.9	1.52	558	6.56	2.37	7.8	25.8	770	42.2
S047195		19.30	0.16	1.4	0.315	3.10	21.1	18.9	1.47	696	6.19	1.50	8.0	23.7	790	213
S047196		19.05	0.18	1.0	0.079	3.00	17.9	15.6	1.36	434	9.79	2.24	8.2	23.6	680	30.7
S047197		15.60	0.17	1.1	0.823	2.79	23.8	18.4	0.75	1770	9.09	0.13	6.4	12.1	540	1265
S047198		17.80	0.16	0.9	0.119	3.19	18.0	15.9	1.02	732	6.12	1.53	7.6	22.7	590	25.2
S047199		18.55	0.17	1.0	0.119	3.07	19.5	16.0	1.20	699	4.73	2.20	8.2	23.4	610	18.5
S047200		17.25	0.18	0.9	0.111	3.62	21.4	17.0	0.83	1280	6.32	0.58	7.2	23.8	590	31.2
S047201		15.45	0.16	0.8	0.100	2.66	17.3	18.5	1.53	2520	5.18	0.04	6.4	19.1	510	174.0
S047202		0.28	0.12	<0.1	0.006	0.03	0.6	1.1	13.05	217	0.86	0.01	0.2	1.3	170	1.6
S047203		19.25	0.18	1.1	0.093	3.32	22.6	13.6	1.15	1060	5.41	1.92	8.7	23.9	690	190.0
S047204		17.70	0.15	1.0	0.115	3.36	20.0	23.8	0.96	1310	6.06	1.41	7.6	28.6	590	125.5
S047205		17.90	0.16	0.9	0.170	3.59	16.9	14.9	1.13	646	3.95	1.24	6.8	22.3	580	65.1
S047206		17.25	0.17	0.8	0.254	3.25	26.9	12.4	1.13	1300	4.15	0.08	5.4	19.8	540	321
S047207		15.15	0.15	0.7	0.321	2.54	15.0	8.1	1.14	2070	9.58	0.04	4.5	19.4	420	1240
S047208		18.00	0.18	0.9	0.204	3.19	22.8	8.9	1.00	1290	3.57	0.04	6.6	20.8	540	232

Comments: ***Corrected copy for Au-AA24 on samples S047198 to S047206.***

***** See Appendix Page for comments regarding this certificate *****

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117084

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047173		167.5	<0.002	1.75	1.58	9.7	2	5.5	229	0.59	0.08	10.40	0.205	2.29	4.5	71
S047174		158.0	0.002	3.29	2.33	9.6	2	4.4	203	0.59	0.14	11.25	0.195	2.24	4.6	79
S047175		147.5	<0.002	1.78	0.90	9.6	2	3.0	288	0.65	0.09	10.95	0.220	2.06	3.9	79
S047176		155.5	<0.002	2.20	1.67	9.2	2	3.5	261	0.58	0.13	10.00	0.206	2.08	3.9	70
S047177		178.5	<0.002	1.89	5.00	9.3	2	4.0	191.5	0.57	0.16	9.88	0.195	2.49	4.2	76
S047178		150.0	<0.002	2.53	4.04	9.2	3	3.5	199.5	0.54	0.08	10.55	0.196	2.16	3.7	71
S047179		1.6	<0.002	0.01	0.08	0.2	<1	<0.2	56.3	<0.05	<0.05	0.12	<0.005	0.02	0.8	3
S047180		148.5	0.002	1.57	1.69	9.9	2	3.4	388	0.57	0.11	10.40	0.204	2.28	4.7	72
S047181		176.5	<0.002	3.58	10.80	8.5	4	3.8	158.0	0.44	0.13	9.51	0.163	2.67	3.5	62
S047182		209	<0.002	3.68	52.3	9.7	2	5.7	76.9	0.42	0.20	10.35	0.168	3.37	4.5	68
S047183		148.5	<0.002	2.35	4.75	9.7	2	3.8	294	0.55	0.05	10.25	0.187	2.29	4.4	71
S047184		145.5	<0.002	2.47	4.71	9.5	2	3.7	283	0.55	0.07	10.10	0.190	2.20	4.4	71
S047185		150.5	<0.002	2.33	5.51	9.7	2	3.7	256	0.53	0.10	10.45	0.191	2.19	4.3	70
S047186		163.5	<0.002	2.57	4.30	9.0	2	3.3	251	0.48	0.09	9.40	0.183	2.27	4.6	69
S047187		137.0	<0.002	2.31	4.81	9.1	3	3.7	277	0.53	0.11	8.68	0.186	2.30	4.2	71
S047188		169.0	0.004	2.81	29.8	10.1	1	6.0	114.5	0.53	0.33	11.70	0.213	2.87	5.5	68
S047189		134.5	<0.002	2.40	4.50	10.2	2	3.9	574	0.54	0.13	9.75	0.217	2.39	4.6	81
S047190		93.8	0.002	1.68	25.5	12.0	1	3.8	225	0.66	0.26	9.62	0.272	2.04	4.2	89
S047191		83.8	<0.002	0.70	1.59	12.9	1	3.5	500	0.68	0.11	10.30	0.289	1.26	3.0	95
S047192		78.7	<0.002	0.64	1.45	11.8	1	2.8	470	0.66	0.16	10.30	0.276	1.11	3.0	93
S047193		87.0	0.002	0.67	1.81	12.2	1	2.7	481	0.70	0.16	10.45	0.293	1.23	3.1	96
S047194		94.9	<0.002	1.41	1.59	12.1	1	3.4	464	0.64	0.14	10.70	0.270	1.29	3.1	90
S047195		121.5	0.002	1.50	3.28	12.5	1	4.9	323	0.66	0.13	11.20	0.268	1.86	3.6	88
S047196		96.2	0.003	1.15	1.29	10.1	1	2.6	404	0.63	0.07	9.52	0.233	1.25	2.9	77
S047197		160.5	0.002	4.57	63.4	9.7	1	7.8	95.2	0.52	1.11	11.10	0.199	2.84	5.3	61
S047198		103.0	0.002	1.21	4.72	8.8	1	2.9	342	0.62	0.07	9.32	0.208	1.44	3.4	70
S047199		96.8	0.002	1.34	2.24	8.9	1	2.9	422	0.66	0.10	9.42	0.219	1.33	3.2	71
S047200		127.0	<0.002	1.75	13.30	8.7	1	3.7	197.0	0.58	0.11	9.62	0.201	2.05	4.1	69
S047201		153.0	<0.002	2.93	82.7	7.6	2	4.0	59.4	0.53	0.24	8.29	0.176	3.18	4.0	63
S047202		1.6	<0.002	0.01	0.23	0.2	<1	0.2	50.6	<0.05	<0.05	0.10	<0.005	0.02	0.6	3
S047203		117.5	<0.002	0.98	7.32	9.5	1	2.5	431	0.71	0.12	10.80	0.222	1.92	3.7	69
S047204		129.0	<0.002	1.54	8.59	8.7	1	2.9	276	0.70	0.16	9.74	0.206	1.95	3.3	70
S047205		127.5	<0.002	2.01	7.44	8.4	1	5.7	294	0.57	0.18	8.70	0.192	2.37	3.4	70
S047206		137.5	<0.002	3.82	18.70	7.4	4	15.6	103.5	0.47	0.76	8.48	0.144	2.74	3.6	55
S047207		121.5	0.004	6.27	140.0	6.2	9	17.7	51.2	0.38	1.84	7.03	0.124	2.56	2.4	50
S047208		153.5	<0.002	4.20	54.0	8.1	5	15.8	63.9	0.57	1.12	9.24	0.178	3.14	3.2	66

Comments: ***Corrected copy for Au-AA24 on samples S047198 to S047206.***

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117084

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
S047173		10.6	10.3	289	35.1	0.070
S047174		10.6	10.8	328	31.9	0.107
S047175		9.5	9.8	200	34.8	0.095
S047176		8.1	7.0	124	33.3	0.151
S047177		10.0	6.7	186	33.2	0.132
S047178		9.7	7.9	343	36.3	0.053
S047179		0.1	0.8	18	0.5	<0.005
S047180		7.2	9.1	156	38.8	0.050
S047181		13.1	9.9	368	35.2	0.058
S047182		13.6	13.9	756	38.5	0.139
S047183		11.4	10.8	309	37.0	0.076
S047184		12.0	10.5	316	36.4	0.070
S047185		10.4	9.4	284	37.9	0.085
S047186		9.1	7.8	121	36.6	0.081
S047187		10.8	8.2	157	37.0	0.201
S047188		5.9	13.1	917	32.8	0.345
S047189		9.5	9.1	164	38.0	0.091
S047190		10.3	13.0	247	42.8	0.048
S047191		8.4	13.9	128	42.1	0.020
S047192		8.0	12.5	193	39.7	0.029
S047193		9.1	13.3	211	42.6	0.032
S047194		8.1	12.8	119	43.5	0.072
S047195		15.0	12.4	1410	46.0	0.041
S047196		5.6	11.5	189	29.2	0.028
S047197		6.0	11.5	2330	30.1	0.888
S047198		7.2	10.7	286	25.6	0.039
S047199		5.1	11.4	264	25.7	0.036
S047200		6.2	12.6	441	24.8	0.042
S047201		5.9	9.9	433	21.5	0.066
S047202		0.2	0.8	20	<0.5	<0.005
S047203		3.6	13.2	353	27.4	0.044
S047204		4.9	13.7	646	26.2	0.031
S047205		5.5	8.5	196	24.3	0.063
S047206		8.0	9.4	633	21.6	0.098
S047207		7.7	7.3	1880	17.4	0.245
S047208		9.1	9.1	551	24.6	0.045

Comments: ***Corrected copy for Au-AA24 on samples S047198 to S047206.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117084

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	LOG-21d	LOG-22
LOG-23	ME-MS61	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117085

Project: Klaza

P.O. No.: Batch 40

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

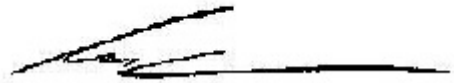
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117085

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K290725		1.76	1.75	6.99	26.6	340	1.42	3.73	3.27	0.15	55.6	36.7	40	6.89	6.9	7.15
K290726		3.26	0.20	8.63	12.4	380	1.88	0.67	3.93	0.14	73.7	12.7	33	14.45	7.6	4.02
K290727		1.82	0.24	7.45	12.6	110	1.40	2.09	4.45	0.15	27.7	51.8	7	9.91	7.0	4.08
K290728		1.14	0.23	7.87	13.3	190	1.54	2.16	4.29	0.15	34.9	50.7	7	11.35	9.0	3.97
K290729		1.80	1.09	6.86	9.2	690	1.43	1.59	4.18	0.18	35.8	12.6	9	6.73	3.1	3.72
K290730		1.02	0.14	6.57	7.2	1130	1.39	0.85	4.12	0.02	34.0	10.6	8	6.29	1.0	3.20
K290731		1.32	0.25	6.98	27.3	100	1.33	1.38	3.64	0.12	39.9	28.8	9	9.37	7.0	6.32
K290732		0.32	4.29	6.85	716	400	1.53	3.39	2.12	10.50	49.8	12.3	25	13.30	313	5.08
K290733		2.52	0.14	8.00	19.0	570	1.46	1.01	3.46	0.15	37.5	20.7	11	8.19	6.9	5.53
K290734		2.10	0.08	7.86	12.7	1860	1.90	0.58	2.14	0.17	41.1	7.5	11	21.4	4.0	4.32
K290735		1.46	0.05	8.41	15.4	900	1.86	0.33	1.99	0.18	42.9	5.3	11	35.9	2.9	4.92
K290736		1.14	0.11	7.24	24.5	830	1.47	0.28	1.31	0.21	45.2	4.9	10	16.70	5.2	3.57
K290737		1.70	1.83	6.29	150.0	620	1.44	2.08	1.88	0.69	44.7	8.2	12	13.65	41.3	4.51
K290738		6.36	0.01	0.11	<0.2	40	0.07	0.04	21.1	0.07	1.36	0.6	1	0.57	1.5	0.48
K290739		1.58	0.15	8.12	17.5	410	1.70	0.38	1.76	0.28	44.9	5.4	11	15.70	8.0	3.72
K290740		1.54	0.31	7.39	26.9	2290	1.32	0.67	1.88	0.23	61.0	5.0	8	11.35	7.3	2.87
K290741		1.08	0.20	7.50	12.0	3520	1.50	0.37	2.53	0.15	37.4	2.4	9	20.3	4.4	1.92
K290742		1.62	2.38	7.70	73.5	2190	1.52	0.93	1.40	14.05	49.9	3.8	8	10.75	87.0	3.48
K290743		<0.02	2.43	7.81	71.5	1620	1.50	1.06	1.39	14.25	56.5	3.6	9	10.70	92.5	3.50
K290744		1.32	0.17	6.75	7.9	330	1.27	0.36	3.54	0.27	44.7	4.2	10	8.36	4.8	2.75
K290745		1.86	0.78	7.58	13.6	640	1.50	0.55	2.28	6.48	55.1	7.0	9	9.68	17.0	3.21
K290746		1.36	2.27	7.07	161.5	460	1.46	1.46	1.28	8.14	59.9	4.8	9	7.43	42.5	4.50
K290747		1.30	0.14	7.73	4.9	2030	1.46	0.28	2.29	0.19	49.1	3.7	10	8.07	4.8	2.94
K290748		5.82	0.23	7.40	7.1	2320	1.48	0.45	2.38	0.22	44.8	5.6	12	6.02	12.7	2.80
K290749		1.50	3.97	7.08	99.1	320	1.37	4.19	1.61	13.95	53.0	6.7	10	5.33	209	5.01
K290750		6.10	0.01	0.11	<0.2	40	0.05	0.05	21.4	0.08	1.46	0.7	1	0.36	2.4	0.50
K290751		1.28	0.41	7.61	10.7	710	1.59	0.46	3.06	0.62	50.9	5.5	8	8.51	5.3	2.75
K290752		2.60	0.37	7.28	9.1	1470	1.73	0.45	3.25	0.41	46.5	5.4	10	13.15	9.2	3.00
K290753		1.36	0.34	7.34	9.6	1850	1.31	0.61	2.58	0.51	42.4	9.4	10	6.28	11.2	2.89
K290754		0.26	11.00	6.75	1595	260	1.45	11.60	1.95	32.5	45.6	18.0	19	13.15	284	6.65
K290755		1.06	0.31	6.95	17.3	1430	1.82	0.57	2.67	0.24	42.2	6.2	10	14.25	5.9	2.57
K290756		1.80	47.7	5.98	603	80	1.35	75.9	1.86	10.05	45.2	5.3	8	6.58	964	9.49
K290757		1.60	0.47	7.36	64.9	1160	1.36	0.56	2.13	0.50	55.5	5.1	10	10.05	9.7	3.30
K290758		1.20	0.12	7.26	8.5	2660	1.56	0.29	2.60	0.26	41.0	3.9	11	12.25	5.2	2.66
K290759		2.82	0.26	7.39	7.2	2110	1.61	0.58	2.33	0.31	47.5	5.3	9	9.95	8.4	2.70
K290760		1.26	0.09	7.94	5.1	2460	1.67	0.09	2.32	0.32	52.1	6.8	12	11.50	7.2	3.05

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117085

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K290725		16.85	0.19	2.0	0.127	2.23	21.6	23.6	1.36	1420	3.01	0.05	5.4	5.3	910	33.0
K290726		22.7	0.20	2.5	0.082	0.72	34.7	59.5	1.19	1020	1.13	0.52	8.5	2.6	1160	11.9
K290727		21.8	0.16	1.7	0.054	0.48	10.4	44.1	0.49	644	0.48	0.06	6.8	5.1	1300	13.3
K290728		22.6	0.15	1.8	0.059	0.51	13.5	45.5	0.62	638	0.52	0.36	7.4	5.1	1240	14.0
K290729		19.60	0.17	2.1	0.083	3.16	14.1	9.3	0.74	1630	0.28	0.09	6.2	2.3	670	44.0
K290730		18.90	0.16	1.9	0.053	3.16	14.2	8.1	0.83	1260	0.20	0.22	5.4	1.8	660	3.4
K290731		19.65	0.18	1.9	0.054	2.66	17.8	11.1	1.02	808	0.69	0.91	6.4	3.4	720	11.9
K290732		16.05	0.17	1.1	0.278	2.99	28.1	21.2	0.79	1880	13.65	0.15	6.4	13.4	510	489
K290733		22.3	0.17	1.8	0.058	2.14	15.7	28.9	1.24	780	0.77	0.63	8.4	2.3	920	16.7
K290734		22.5	0.16	1.7	0.056	1.46	17.8	385	0.69	956	0.33	0.04	9.1	1.7	920	10.4
K290735		22.3	0.17	1.6	0.052	1.28	18.6	550	0.72	1040	0.44	0.02	9.0	1.6	930	8.7
K290736		18.15	0.15	1.3	0.060	1.21	21.4	470	0.51	1100	1.12	0.02	7.6	1.6	810	9.4
K290737		15.95	0.16	1.4	0.175	2.02	23.0	183.0	0.60	1080	12.00	0.03	6.0	1.7	620	71.6
K290738		0.36	0.20	<0.1	0.006	0.03	0.6	4.6	13.05	202	0.45	0.01	0.2	1.4	170	1.5
K290739		19.25	0.12	1.8	0.073	1.63	21.8	520	0.66	1100	1.32	0.02	8.1	2.1	860	10.9
K290740		15.95	0.15	1.2	0.101	2.61	32.6	216	0.68	1040	1.69	0.02	6.3	2.0	580	13.0
K290741		15.85	0.13	1.2	0.041	2.95	20.2	142.0	0.86	921	0.61	0.04	6.2	1.4	570	21.7
K290742		16.25	0.14	1.4	0.429	3.24	25.6	53.0	0.61	993	1.59	0.16	8.1	2.0	570	1285
K290743		16.00	0.13	1.3	0.448	3.24	30.9	45.7	0.62	985	1.83	0.17	7.9	1.8	560	1315
K290744		14.90	0.13	1.1	0.036	1.49	22.4	87.0	0.65	1270	0.98	0.03	7.6	2.1	570	14.7
K290745		15.75	0.12	1.3	0.328	2.53	30.2	60.7	0.87	1560	0.61	0.04	6.7	1.8	560	490
K290746		14.75	0.13	1.2	0.525	3.32	33.9	19.7	0.62	985	8.04	0.07	6.4	1.8	470	739
K290747		15.70	0.14	1.4	0.033	3.01	25.2	25.1	0.67	715	1.94	1.23	8.6	1.8	560	21.2
K290748		14.40	0.12	1.3	0.037	3.16	23.9	18.3	0.73	688	0.88	1.83	8.0	2.2	550	29.8
K290749		14.35	0.12	1.1	0.775	3.27	28.7	11.5	0.60	1340	0.70	0.03	6.2	1.6	510	739
K290750		0.35	0.22	<0.1	0.006	0.05	0.7	1.6	13.10	214	0.11	0.01	0.2	1.5	200	2.0
K290751		15.85	0.19	1.1	0.094	3.36	27.9	10.3	0.69	2060	0.40	0.16	6.8	2.2	530	77.6
K290752		15.70	0.17	1.2	0.076	3.08	23.7	38.7	0.77	1500	0.82	0.76	7.7	1.9	560	42.5
K290753		14.20	0.15	1.2	0.034	3.38	21.8	19.3	0.76	638	1.59	0.67	6.4	2.0	550	29.6
K290754		14.35	0.12	1.0	0.785	2.94	24.1	18.5	0.79	1830	8.12	0.13	6.0	11.5	530	1320
K290755		15.85	0.13	1.4	0.087	3.33	20.5	133.0	0.56	1360	0.61	0.10	7.6	2.0	580	26.3
K290756		12.75	0.11	0.9	0.709	2.90	24.1	7.9	0.68	1500	1.49	0.03	5.4	1.7	390	1100
K290757		14.45	0.13	1.2	0.071	3.18	30.1	60.1	0.59	655	1.12	0.26	7.0	1.5	520	72.8
K290758		14.90	0.14	1.3	0.027	3.04	20.9	24.9	0.57	420	1.20	1.02	8.7	1.9	590	20.0
K290759		14.80	0.14	1.6	0.034	2.66	25.0	19.3	0.73	480	0.75	2.04	8.4	1.9	540	23.6
K290760		15.95	0.15	1.5	0.045	3.05	27.5	10.7	0.90	642	1.49	2.57	8.1	2.6	620	18.8

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K290725		141.5	<0.002	5.16	13.40	18.1	2	3.8	88.1	0.33	1.65	6.49	0.365	1.81	12.0	124
K290726		27.0	<0.002	0.95	16.30	20.8	1	3.3	251	0.54	0.26	8.99	0.512	0.55	5.0	151
K290727		12.3	0.002	3.62	21.5	13.5	2	2.9	127.5	0.38	0.54	2.63	0.495	0.47	2.9	159
K290728		12.9	0.002	3.27	20.5	14.1	2	3.2	195.5	0.43	0.63	3.56	0.484	0.52	2.8	149
K290729		152.5	<0.002	2.69	2.68	7.7	1	2.6	114.5	0.43	0.40	7.84	0.249	2.87	2.9	69
K290730		151.5	<0.002	2.33	1.70	7.1	1	1.8	128.0	0.35	0.30	7.19	0.219	2.79	2.4	70
K290731		138.5	0.002	5.39	3.21	9.2	2	1.9	360	0.41	0.62	6.62	0.283	2.10	2.5	82
K290732		163.5	0.004	2.73	27.7	9.6	1	5.4	107.0	0.50	0.33	11.95	0.208	2.45	5.1	65
K290733		79.6	<0.002	3.41	4.94	12.7	2	2.2	409	0.52	0.46	6.72	0.427	1.41	2.9	110
K290734		48.5	<0.002	0.99	36.5	13.9	1	2.5	199.5	0.58	0.20	6.83	0.454	1.04	2.4	112
K290735		47.3	<0.002	0.40	54.0	13.8	1	2.4	238	0.58	0.11	7.41	0.458	1.14	1.7	116
K290736		58.4	<0.002	0.39	83.3	11.1	1	2.4	244	0.46	0.08	7.13	0.381	1.03	4.7	88
K290737		130.0	0.002	2.27	86.4	10.1	1	3.7	144.5	0.36	0.80	6.80	0.297	1.77	18.4	86
K290738		2.0	<0.002	<0.01	0.25	0.2	<1	<0.2	51.6	<0.05	<0.05	0.09	<0.005	0.02	0.5	2
K290739		69.4	0.004	0.61	41.7	12.8	1	2.9	306	0.57	0.11	8.06	0.416	1.50	6.1	104
K290740		134.5	0.003	0.95	23.2	9.0	1	3.1	219	0.52	0.06	13.45	0.215	2.22	5.0	66
K290741		133.0	0.002	0.50	13.95	9.3	1	1.7	171.0	0.57	<0.05	13.80	0.218	2.24	6.5	66
K290742		143.5	0.002	1.31	25.3	10.1	1	4.9	127.0	0.74	0.09	14.05	0.233	1.97	7.3	66
K290743		152.0	0.003	1.35	25.1	10.0	1	5.0	124.0	0.73	0.11	14.95	0.228	2.08	7.3	66
K290744		57.1	0.002	0.73	18.55	8.6	1	2.8	162.5	0.65	0.10	12.10	0.222	1.21	5.0	66
K290745		127.0	0.003	0.88	11.75	9.3	1	2.7	87.8	0.66	0.12	15.70	0.212	2.09	5.4	67
K290746		201	0.003	3.30	17.20	8.3	<1	8.2	60.8	0.63	0.09	15.60	0.179	2.60	8.8	54
K290747		103.0	0.003	0.34	5.84	9.6	1	2.4	258	0.83	0.06	15.45	0.237	1.44	6.1	67
K290748		121.0	0.002	0.97	1.85	8.7	1	2.1	303	0.74	0.20	14.30	0.225	1.53	6.0	61
K290749		197.5	0.003	3.83	5.60	8.5	1	7.0	40.4	0.56	0.10	14.65	0.187	2.42	5.6	56
K290750		2.4	<0.002	0.01	0.09	0.2	<1	<0.2	50.5	<0.05	<0.05	0.18	<0.005	<0.02	0.5	2
K290751		198.5	0.002	1.09	2.79	9.6	1	3.4	76.4	0.58	0.09	15.90	0.195	2.78	5.6	59
K290752		118.0	0.003	0.78	2.76	9.5	1	2.5	180.0	0.70	0.09	13.40	0.230	1.98	5.8	64
K290753		127.0	0.002	1.55	2.98	8.6	1	2.1	215	0.62	0.19	14.45	0.212	1.82	4.4	62
K290754		161.0	0.003	4.74	63.5	9.0	1	7.8	96.9	0.51	0.97	10.70	0.209	2.63	5.1	63
K290755		119.5	0.002	1.54	8.04	9.5	1	2.7	173.0	0.69	0.14	12.55	0.244	2.47	5.5	70
K290756		168.0	<0.002	9.72	164.0	8.2	1	7.5	39.2	0.50	0.48	12.40	0.160	2.38	4.9	50
K290757		141.0	0.002	1.69	8.83	8.9	<1	4.2	134.5	0.66	<0.05	15.55	0.212	2.13	7.1	62
K290758		92.5	0.004	0.48	4.28	9.3	1	1.9	290	0.82	0.05	13.75	0.255	1.60	6.5	68
K290759		85.2	0.002	0.60	2.88	9.1	1	2.0	328	0.84	0.09	14.40	0.236	1.24	5.9	63
K290760		108.0	0.002	0.02	1.04	10.6	1	1.7	407	0.71	<0.05	13.35	0.263	1.25	3.8	73

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
K290725		2.5	18.0	88	71.1	0.087
K290726		4.3	21.7	76	87.8	0.006
K290727		4.4	12.4	50	62.0	0.008
K290728		4.2	14.7	50	73.4	0.006
K290729		1.2	10.9	51	77.2	0.013
K290730		1.2	9.0	34	72.0	<0.005
K290731		2.5	12.5	61	71.3	0.012
K290732		5.5	11.7	891	30.4	0.371
K290733		4.3	17.2	89	67.5	0.006
K290734		3.8	13.7	88	59.3	<0.005
K290735		7.9	15.6	79	56.4	<0.005
K290736		7.4	12.8	82	45.9	<0.005
K290737		7.9	12.3	96	49.9	0.084
K290738		0.1	0.8	18	0.6	<0.005
K290739		10.3	13.5	85	61.6	0.010
K290740		9.7	13.4	60	35.7	0.023
K290741		2.6	14.7	48	34.7	0.010
K290742		2.5	13.3	1720	39.5	0.088
K290743		2.4	14.0	1760	38.1	0.067
K290744		2.5	14.4	71	33.7	0.005
K290745		1.7	12.5	789	38.9	0.005
K290746		3.3	9.1	955	34.2	0.237
K290747		1.3	15.3	58	41.9	0.005
K290748		0.9	13.7	65	38.7	0.007
K290749		2.5	9.0	1620	32.1	1.215
K290750		0.1	0.9	20	0.5	<0.005
K290751		1.4	11.1	94	34.0	0.007
K290752		1.1	12.7	80	37.3	0.008
K290753		1.7	12.2	72	35.3	0.037
K290754		5.9	11.6	2450	28.5	0.954
K290755		2.1	12.1	44	40.9	0.008
K290756		4.4	8.9	815	28.0	8.76
K290757		2.1	12.5	73	35.8	0.040
K290758		1.6	14.1	60	40.2	<0.005
K290759		1.3	14.3	63	44.5	0.011
K290760		1.2	17.9	57	39.6	<0.005

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117085

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117086

Project: Klaza

P.O. No.: Batch 41

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

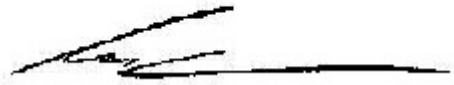
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117086

Sample Description	Method	WEI-21	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
K290761		1.90			0.19	7.47	28.9	1940	1.73	0.23	1.54	7.16	55.1	6.4	13	12.60
K290762		1.00			0.31	7.43	38.6	1950	1.83	0.21	1.40	7.96	56.1	7.4	12	14.10
K290763		2.32			2.91	7.44	158.5	1980	1.82	1.50	0.55	17.80	50.3	10.4	13	18.20
K290764		1.56			0.19	7.01	20.0	2080	1.72	0.22	2.17	3.72	46.0	5.9	11	14.30
K290765		1.52			0.17	7.08	34.3	1990	1.60	0.17	1.87	4.13	49.0	6.8	11	17.60
K290766		1.64			0.42	6.80	108.5	800	1.89	0.10	2.42	0.52	47.3	7.1	12	27.0
K290767		0.34			4.64	6.61	701	700	1.52	3.49	2.05	11.20	49.7	12.2	27	13.95
K290768		1.10			0.21	7.10	89.5	1340	2.26	0.10	2.07	1.09	47.4	6.7	12	29.8
K290769		1.66			0.34	7.30	177.5	450	2.06	0.36	1.66	2.15	45.9	5.2	11	31.3
K290770		1.22		1.400	7.97	5.55	855	710	1.57	0.88	1.81	204	39.9	8.2	9	18.20
K290771		2.34			1.00	6.76	136.0	1570	2.01	0.42	2.07	5.01	45.6	6.3	10	21.8
K290772		2.00			0.68	7.05	84.4	2010	1.56	0.32	1.91	4.04	43.8	7.1	18	15.95
K290773		0.86			0.45	7.02	67.0	2040	1.62	0.21	2.08	2.95	54.4	6.7	14	16.05
K290774		2.04			0.71	7.07	87.7	1440	1.65	0.70	1.46	2.01	45.9	5.9	17	17.80
K290775		0.80			7.77	6.18	208	1300	1.79	1.82	1.75	23.0	44.9	7.8	15	16.55
K290776		2.16			0.12	6.05	41.2	1410	1.35	0.12	3.46	0.93	38.1	6.6	12	17.20
K290777		6.04			0.02	0.09	0.6	40	0.09	0.03	20.7	0.10	1.46	0.7	1	0.25
K290778		5.78			0.91	7.10	100.5	2000	1.61	0.45	2.14	5.41	47.8	7.3	13	18.80
K290779		2.54			0.08	7.14	41.8	1590	1.35	0.08	2.12	0.71	50.4	5.3	15	18.55
K290780		1.82			4.68	6.11	347	1050	1.57	1.99	2.14	24.3	45.6	8.7	11	20.7
K290781		0.34			12.00	6.50	1545	950	1.36	12.40	1.87	34.3	45.3	17.9	23	14.15
K290782		2.40			0.25	6.77	40.3	2020	1.49	0.30	2.20	0.83	48.2	8.3	15	17.30
K290783		1.26			0.21	7.25	20.5	2120	1.24	0.13	1.64	0.36	46.9	5.4	14	16.50
K290784		1.34	1.630	1.405	50.5	5.98	8850	280	1.65	2.32	1.79	200	37.3	7.4	12	18.45
K290785		6.08			0.14	0.07	18.8	40	0.07	0.03	20.5	0.53	1.31	0.7	3	0.27
K290786		1.56			0.14	6.19	26.5	1430	1.61	0.18	3.32	0.51	46.6	5.8	18	20.0
K290787		1.24			0.14	6.35	28.1	1070	1.61	0.13	3.48	0.62	50.4	5.2	15	20.0
K290788		1.72			0.05	6.82	17.9	1260	1.83	0.23	2.01	0.32	55.6	5.3	16	20.5
K290789		2.00			0.06	7.70	24.8	750	2.31	0.23	1.21	0.24	71.8	5.7	17	19.90
K290790		0.96			7.97	6.33	536	1130	1.53	2.91	2.41	78.4	57.1	9.1	15	23.4
K290791		2.56			0.47	6.96	62.7	870	1.99	0.27	1.95	1.99	47.2	6.4	16	27.1
K290792		<0.02			0.42	7.13	58.1	860	1.55	0.27	1.90	1.30	47.4	6.0	12	25.6
K290793		1.32			5.34	7.21	99.1	1270	1.38	1.69	1.59	16.35	50.6	6.0	13	15.75
K290794		1.38			0.15	7.28	8.4	2090	1.10	0.29	1.81	0.72	52.5	5.4	15	9.79
K290795		1.64			0.20	7.15	12.6	2170	1.34	0.24	2.38	0.73	43.2	7.1	14	16.00
K290796		1.32			0.17	7.08	14.5	2060	1.47	0.48	2.51	0.18	47.2	7.5	15	13.40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117086

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K290761		18.1	2.61	17.15	0.18	1.4	0.052	2.78	30.8	21.8	0.50	646	2.22	1.69	8.3	3.2
K290762		12.0	2.68	17.55	0.18	1.4	0.055	2.82	30.8	43.6	0.47	821	1.96	1.62	9.0	3.2
K290763		39.1	3.29	17.40	0.17	1.3	0.234	3.12	28.0	43.9	0.26	965	2.93	0.35	7.7	3.1
K290764		12.9	2.72	16.60	0.17	1.4	0.045	2.77	23.7	12.4	0.51	512	1.68	2.03	8.4	2.9
K290765		13.5	2.69	16.55	0.16	1.4	0.044	2.82	25.4	22.1	0.43	648	2.01	1.92	8.3	2.9
K290766		9.7	2.34	18.05	0.17	3.4	0.042	2.83	25.0	136.0	0.79	547	1.31	0.04	9.7	4.5
K290767		305	4.92	15.95	0.16	1.0	0.329	2.90	29.2	26.4	0.77	1880	14.55	0.15	6.3	15.1
K290768		8.1	2.58	19.60	0.18	3.7	0.049	3.03	23.8	141.0	0.71	544	1.94	0.05	10.7	4.6
K290769		11.3	2.43	19.55	0.18	3.6	0.075	3.20	23.1	161.5	0.49	431	2.98	0.07	10.7	3.9
K290770		126.0	5.52	13.65	0.17	1.0	0.368	2.55	21.5	28.7	0.74	2260	7.90	0.04	5.8	2.9
K290771		24.8	2.68	17.45	0.17	1.6	0.089	3.23	23.3	169.0	0.63	979	1.63	0.09	8.4	2.6
K290772		26.4	3.08	17.25	0.15	1.4	0.060	3.28	22.1	53.4	0.60	990	2.15	0.12	8.4	2.7
K290773		19.0	2.96	16.90	0.20	1.3	0.046	3.23	29.8	47.4	0.65	1160	2.18	0.12	8.0	2.4
K290774		12.0	3.31	15.90	0.16	1.2	0.112	2.90	25.7	56.8	0.60	1200	2.32	0.06	7.1	2.2
K290775		289	3.62	14.15	0.14	1.0	0.591	2.40	24.2	118.5	0.65	1560	1.79	0.04	6.1	3.1
K290776		8.7	2.86	15.60	0.16	1.2	0.039	2.18	19.3	180.0	0.56	832	1.93	0.12	7.8	2.5
K290777		2.8	0.48	0.35	0.12	<0.1	<0.005	0.03	0.7	1.8	12.85	203	0.15	0.01	0.2	1.7
K290778		13.4	3.07	16.40	0.20	1.3	0.090	3.00	25.6	38.5	0.62	634	2.02	1.24	8.0	2.7
K290779		7.4	2.83	17.65	0.19	1.4	0.043	2.21	26.7	133.5	0.59	617	2.28	0.48	8.8	2.5
K290780		78.2	3.38	14.55	0.14	1.4	0.461	2.05	25.6	162.5	0.76	1080	1.75	0.04	6.8	3.1
K290781		284	6.41	16.15	0.16	1.1	0.857	2.81	24.0	18.5	0.76	1800	9.14	0.12	6.6	12.9
K290782		5.5	2.86	17.35	0.16	1.2	0.056	2.73	25.8	112.0	0.65	768	1.70	0.17	8.6	2.6
K290783		8.1	2.76	17.50	0.18	1.2	0.043	2.99	25.1	34.2	0.51	503	1.91	0.40	8.5	2.0
K290784		387	4.20	14.75	0.17	1.1	1.985	2.62	18.7	48.9	0.63	785	7.01	0.13	6.7	2.9
K290785		2.6	0.46	0.29	0.14	<0.1	0.009	0.03	0.6	1.5	12.80	199	0.19	<0.01	0.2	1.5
K290786		11.1	2.14	19.90	0.19	3.8	0.027	2.38	23.3	68.9	0.62	458	3.10	0.06	10.6	5.0
K290787		5.2	2.47	19.40	0.20	3.0	0.028	2.87	25.7	49.3	0.65	444	0.85	0.36	10.4	4.6
K290788		7.1	2.20	20.1	0.19	3.2	0.026	2.37	28.7	228	0.75	457	1.89	0.04	10.7	4.8
K290789		7.9	2.32	20.8	0.21	4.0	0.027	2.41	38.6	336	0.71	473	1.12	0.03	11.1	5.2
K290790		146.0	3.27	16.25	0.18	2.8	0.605	2.13	31.5	78.4	0.99	1060	16.00	0.03	8.2	4.8
K290791		6.1	3.31	16.95	0.16	1.0	0.060	2.54	24.0	73.0	0.80	1120	6.18	0.05	8.1	3.0
K290792		5.1	3.24	15.30	0.11	1.0	0.055	2.59	22.8	62.3	0.82	1100	3.37	0.05	7.8	2.4
K290793		128.0	4.01	15.05	0.11	0.9	0.233	3.10	25.3	51.0	0.75	1320	6.28	0.06	7.4	2.1
K290794		4.9	2.93	16.00	0.12	1.0	0.073	2.75	25.3	29.7	0.61	907	4.96	0.10	8.0	2.1
K290795		42.7	3.09	15.80	0.12	1.0	0.064	2.85	20.3	21.0	0.59	772	6.24	1.23	8.0	2.0
K290796		14.5	2.85	15.75	0.12	1.2	0.048	2.68	22.6	11.7	0.69	573	2.45	2.15	8.2	2.1

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Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117086

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
K290761		580	21.6	125.0	<0.002	0.04	4.68	10.7	1	1.6	252	0.71	<0.05	14.00	0.238	1.43
K290762		590	46.9	127.0	<0.002	0.05	4.70	11.6	1	2.0	249	0.75	<0.05	15.40	0.248	1.44
K290763		590	420	175.0	<0.002	0.83	13.35	10.4	1	2.4	94.0	0.64	0.26	13.65	0.234	2.70
K290764		580	27.2	116.5	<0.002	0.15	2.57	10.2	1	1.6	291	0.72	0.08	12.90	0.241	1.47
K290765		560	21.1	120.0	<0.002	0.11	3.28	10.0	1	1.7	263	0.73	0.05	13.00	0.235	1.64
K290766		690	26.6	135.0	<0.002	0.29	20.1	7.5	1	1.4	391	0.73	<0.05	8.63	0.273	2.77
K290767		520	482	164.5	<0.002	2.65	29.0	9.3	1	5.7	110.0	0.51	0.37	11.10	0.199	2.73
K290768		770	32.5	138.0	<0.002	0.20	21.8	8.1	1	1.5	388	0.83	<0.05	8.66	0.295	2.83
K290769		780	69.0	127.5	<0.002	0.11	34.3	8.2	<1	1.7	343	0.82	<0.05	9.26	0.298	2.83
K290770		430	2110	156.0	<0.002	3.90	24.9	7.4	1	3.9	77.7	0.49	0.12	9.92	0.168	2.45
K290771		600	211	131.5	<0.002	0.48	18.85	10.2	1	1.8	173.0	0.72	<0.05	12.30	0.237	2.61
K290772		600	72.3	132.5	<0.002	0.61	13.60	10.5	<1	2.1	108.5	0.72	0.05	13.25	0.243	2.25
K290773		570	68.2	154.5	<0.002	0.58	10.35	10.5	1	2.4	107.5	0.65	<0.05	14.90	0.233	2.28
K290774		540	101.0	162.5	<0.002	1.81	18.70	9.3	1	2.3	90.1	0.60	0.08	12.20	0.213	2.52
K290775		460	429	143.0	<0.002	2.47	125.5	8.4	1	2.8	105.5	0.53	0.15	11.10	0.184	2.33
K290776		550	23.8	72.3	<0.002	0.07	25.8	9.9	1	1.5	218	0.62	<0.05	10.75	0.227	1.25
K290777		190	2.4	1.7	<0.002	<0.01	0.30	0.3	<1	<0.2	51.9	<0.05	<0.05	0.15	<0.005	0.02
K290778		550	221	133.5	<0.002	0.67	9.69	10.2	1	1.8	229	0.69	0.05	12.60	0.230	1.82
K290779		610	26.1	97.4	<0.002	0.09	16.30	11.4	1	1.7	223	0.76	<0.05	13.65	0.243	1.35
K290780		480	727	126.0	<0.002	1.66	46.3	8.8	1	2.3	139.5	0.57	0.13	10.90	0.199	1.99
K290781		530	1265	173.0	<0.002	4.64	65.9	9.8	1	8.2	98.8	0.54	1.14	10.95	0.201	2.82
K290782		590	41.6	119.5	<0.002	0.51	15.65	11.5	1	2.3	143.0	0.70	0.05	14.00	0.250	1.97
K290783		600	21.2	122.5	<0.002	0.09	10.05	11.0	1	1.8	124.5	0.70	<0.05	13.40	0.245	1.59
K290784		480	>10000	117.0	<0.002	3.19	98.2	8.6	1	3.9	139.5	0.56	0.09	9.97	0.195	2.02
K290785		150	35.2	1.7	<0.002	0.01	0.36	0.2	<1	<0.2	50.3	<0.05	<0.05	0.14	<0.005	<0.02
K290786		970	29.7	65.9	<0.002	0.06	16.65	5.0	<1	1.7	435	0.75	<0.05	7.76	0.287	1.38
K290787		920	55.6	86.9	<0.002	0.02	15.10	4.9	<1	1.6	413	0.74	<0.05	8.44	0.267	1.58
K290788		930	19.1	75.5	<0.002	0.04	18.55	5.0	<1	1.5	441	0.76	<0.05	8.82	0.277	1.14
K290789		1120	17.0	95.2	<0.002	0.04	27.2	5.8	1	1.6	878	0.77	<0.05	10.15	0.313	1.22
K290790		710	2070	111.5	<0.002	1.18	32.4	7.1	1	3.6	714	0.57	0.07	9.18	0.247	1.72
K290791		610	113.5	109.0	<0.002	0.28	17.75	11.1	1	2.2	164.0	0.65	<0.05	12.35	0.247	2.27
K290792		580	90.2	109.5	<0.002	0.27	16.75	9.7	<1	1.9	157.0	0.61	<0.05	12.05	0.246	2.00
K290793		580	1090	155.5	<0.002	1.39	22.8	10.1	<1	2.7	101.0	0.57	<0.05	12.55	0.228	2.08
K290794		590	43.5	103.0	<0.002	0.16	25.9	10.1	1	1.9	94.9	0.63	0.06	12.25	0.251	1.40
K290795		580	71.3	111.5	<0.002	0.14	17.60	9.7	1	1.8	203	0.61	0.06	12.00	0.243	1.40
K290796		570	23.1	108.0	<0.002	0.17	1.61	9.8	1	1.5	317	0.65	<0.05	12.85	0.239	1.16

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117086

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
K290761		3.3	65	1.4	17.8	467	43.3	0.005
K290762		3.7	69	1.4	18.6	534	40.9	0.012
K290763		4.5	70	3.2	14.8	1160	38.8	0.273
K290764		3.1	66	1.0	16.4	242	39.4	0.008
K290765		2.9	64	1.6	16.0	331	39.2	0.005
K290766		4.8	69	9.6	13.7	214	123.0	0.023
K290767		5.3	64	5.6	12.4	855	30.8	0.348
K290768		5.5	72	6.5	15.0	336	136.5	0.009
K290769		6.2	74	5.8	15.9	630	129.0	0.020
K290770		4.9	48	4.1	10.0	>10000	30.3	0.134
K290771		3.6	63	6.2	15.1	597	48.1	0.039
K290772		4.3	68	4.6	15.8	587	38.2	0.034
K290773		6.0	66	4.9	17.2	449	37.0	0.031
K290774		3.4	61	4.2	14.3	263	35.4	0.019
K290775		4.8	55	5.3	13.2	2140	29.4	0.154
K290776		2.1	69	4.4	16.6	253	32.9	<0.005
K290777		0.8	3	0.1	0.9	20	0.6	<0.005
K290778		3.7	63	1.6	15.8	630	36.1	0.033
K290779		3.1	67	3.6	17.7	263	40.7	<0.005
K290780		7.3	56	3.2	15.4	1620	43.0	0.237
K290781		5.4	62	6.1	12.9	2390	31.6	0.899
K290782		4.2	70	2.3	18.4	202	32.6	0.005
K290783		3.3	68	2.3	16.0	147	34.5	0.007
K290784		11.5	58	2.5	12.5	>10000	32.3	3.44
K290785		0.8	2	0.1	0.8	28	<0.5	<0.005
K290786		5.3	49	1.4	8.6	202	142.5	<0.005
K290787		3.7	43	1.2	8.4	252	108.0	<0.005
K290788		3.8	45	1.6	9.0	111	111.0	<0.005
K290789		3.9	50	2.6	10.2	99	158.5	<0.005
K290790		5.1	55	2.6	12.4	5030	114.0	0.540
K290791		3.7	69	3.6	15.4	205	30.6	0.007
K290792		3.3	67	3.2	13.8	169	28.7	0.007
K290793		4.3	66	2.8	14.3	1920	26.5	0.337
K290794		2.5	71	2.7	16.4	105	27.7	0.005
K290795		3.2	67	2.1	15.4	114	30.0	<0.005
K290796		4.1	65	1.4	15.5	52	35.2	0.012

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117086

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 6-AUG-2016
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CERTIFICATE VA16117087

Project: Klaza

P.O. No.: Batch 42

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

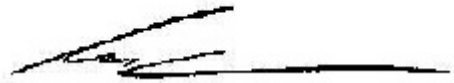
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117087

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047209		7.66	0.55	6.97	42.4	1970	1.29	0.71	2.71	1.04	33.9	9.5	63	15.70	323	3.28
S047210		12.34	0.47	6.60	18.0	1410	1.31	0.58	2.25	0.46	30.6	7.2	59	9.52	293	3.07
S047211		9.70	0.52	6.95	6.0	1500	1.28	0.41	2.01	1.08	33.2	8.2	60	8.71	390	3.07
S047212		7.30	0.90	6.88	67.8	1740	1.39	0.72	2.34	8.20	35.1	9.0	54	16.30	538	3.01
S047213		<0.02	0.90	6.78	73.4	1690	1.45	0.75	2.40	8.24	33.3	9.1	54	16.55	516	3.03
S047214		6.94	1.18	6.50	73.9	740	1.53	1.74	2.87	1.52	57.2	6.3	18	15.90	60.2	2.52
S047215		9.70	0.37	6.99	71.5	780	1.59	0.36	2.83	1.20	63.0	6.9	21	17.05	43.8	2.51
S047216		8.48	0.85	6.69	59.7	1710	1.33	0.88	2.40	0.24	32.3	7.6	57	12.45	399	2.95
S047217		6.20	1.00	7.04	15.3	640	1.32	0.95	2.16	0.65	35.2	9.9	60	10.95	596	3.94
\S047218		0.32	11.95	6.54	1530	1130	1.32	12.70	1.88	34.0	45.1	18.4	19	14.05	285	6.48
S047219		7.80	0.63	7.30	17.5	1860	1.36	1.15	2.09	0.76	39.5	8.8	59	10.80	378	3.62
S047220		4.48	2.46	6.73	195.0	490	1.22	4.94	2.49	0.74	35.5	12.9	55	14.20	475	4.94
S047221		6.10	0.03	0.09	0.2	90	0.06	0.04	20.8	0.07	1.36	0.7	1	0.22	5.7	0.47
S047222		9.32	0.83	6.97	131.5	720	1.10	1.11	2.89	0.47	37.2	10.3	60	17.85	438	3.54
S047223		8.20	0.55	7.09	21.8	1020	0.98	0.44	1.75	0.17	29.9	10.1	60	5.42	370	2.84
S047224		8.64	0.74	7.00	43.0	1570	1.13	0.86	2.05	1.31	33.2	10.4	56	12.35	462	3.22
S047225		6.16	0.54	7.07	15.9	2160	1.37	0.89	2.03	4.11	33.0	10.3	60	9.00	324	3.08
S047226		7.42	0.59	6.91	18.8	1800	1.42	1.70	2.31	1.64	35.1	8.9	57	10.75	244	3.42
S047227		2.98	0.72	7.03	22.8	1680	1.36	1.97	2.36	1.62	36.2	9.5	58	11.30	251	3.52
S047228		5.46	4.88	6.53	317	680	1.29	7.30	1.54	4.32	32.3	20.8	49	10.05	1590	6.43
S047229		11.74	0.93	6.91	78.6	1140	1.23	1.35	2.67	2.45	34.7	10.5	56	13.30	350	3.64
S047230		11.62	0.42	7.04	38.0	1300	1.06	0.47	2.23	3.30	31.6	12.6	62	8.11	273	2.74
S047231		7.44	0.72	6.87	83.6	570	1.20	0.61	2.82	4.61	36.4	8.3	54	21.1	200	2.55
S047232		5.50	0.58	7.32	85.5	1000	1.43	0.69	2.14	2.57	35.0	12.5	61	21.5	309	2.86
S047233		6.36	0.02	0.12	<0.2	30	0.07	0.03	20.1	0.08	1.40	0.7	1	0.26	3.4	0.45
S047234		4.90	1.22	7.19	8.5	1040	1.33	1.56	1.18	7.68	35.3	14.0	66	11.30	534	4.60
S047235		7.36	0.72	7.99	5.8	2310	1.41	0.74	1.49	5.17	41.5	15.6	73	10.75	560	3.73
S047236		7.58	0.66	7.37	22.6	1250	1.40	1.67	2.02	3.14	38.2	14.5	61	15.50	668	3.77
S047237		5.50	1.06	7.69	26.3	1290	1.48	1.12	1.52	5.99	40.7	18.5	63	15.20	892	3.82
S047238		0.34	5.40	7.31	772	950	1.44	3.82	2.27	11.10	56.3	13.7	29	15.15	344	5.44
S047239		8.22	0.49	6.98	34.7	1010	1.49	0.86	2.16	7.06	39.1	10.9	61	15.85	394	3.10
S047240		8.60	0.43	7.08	19.8	1950	1.49	1.19	1.97	6.16	32.0	13.2	59	10.05	386	3.21
S047241		8.40	1.24	6.68	35.9	1410	1.58	3.62	3.49	4.10	31.5	12.2	60	21.4	358	3.31
S047242		3.64	1.51	6.82	115.0	1110	1.39	5.81	1.90	2.78	28.5	10.6	57	16.15	1220	3.24
S047243		6.20	0.46	7.53	12.8	2240	1.60	0.77	1.89	4.26	35.0	10.9	61	8.44	417	3.06
S047244		8.26	0.77	7.38	28.9	500	1.71	4.36	1.05	10.20	45.8	13.2	61	15.25	655	4.16

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 6-AUG-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16117087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047209		16.75	0.11	0.9	0.143	3.40	16.2	16.0	1.05	928	3.19	1.22	7.5	19.1	580	52.7
S047210		16.20	0.10	0.8	0.128	2.89	14.5	17.1	1.11	634	4.02	1.78	7.8	17.0	590	18.8
S047211		16.50	0.11	0.9	0.117	3.04	16.1	20.2	1.16	383	3.76	1.95	7.8	18.2	610	13.2
S047212		15.70	0.11	1.0	0.140	3.46	17.4	14.6	1.06	627	3.43	0.60	7.2	19.7	570	22.5
S047213		16.05	0.11	1.1	0.143	3.48	16.3	14.8	1.08	656	3.28	0.57	7.5	19.8	600	25.2
S047214		16.05	0.13	2.6	0.052	3.16	29.4	16.3	1.30	1120	2.75	0.04	8.8	6.5	840	103.5
S047215		17.60	0.13	3.1	0.043	3.41	32.2	14.0	1.29	1160	2.43	0.04	9.6	6.9	910	23.9
S047216		16.20	0.12	0.9	0.145	3.45	15.7	24.2	1.13	526	3.88	0.85	6.9	16.8	570	36.7
S047217		17.00	0.12	0.9	0.182	3.32	17.0	21.9	1.26	412	5.11	1.52	7.3	20.7	570	31.7
\S047218		15.25	0.11	1.1	0.790	2.90	21.8	19.0	0.76	1760	8.57	0.13	6.7	11.3	530	1305
S047219		17.25	0.12	1.0	0.150	3.47	19.7	18.6	1.08	428	2.35	0.86	7.8	21.8	590	23.4
S047220		15.80	0.10	0.9	0.168	2.57	17.9	27.8	1.05	701	3.12	0.05	6.2	20.6	540	66.3
S047221		0.27	0.08	<0.1	<0.005	0.03	0.6	0.9	12.85	205	0.07	0.01	0.2	1.2	170	1.3
S047222		15.60	0.10	0.9	0.118	2.71	19.3	35.9	1.15	647	2.47	0.06	6.7	18.1	550	17.0
S047223		16.85	0.10	0.9	0.114	2.55	14.2	33.7	0.60	611	2.43	0.09	8.4	19.1	600	15.9
S047224		15.75	0.11	0.9	0.128	3.12	16.3	21.6	0.92	443	5.47	0.42	7.8	19.4	580	29.0
S047225		16.50	0.12	0.9	0.118	3.39	16.5	17.5	0.99	417	9.34	1.33	8.1	20.0	600	24.0
S047226		17.45	0.12	0.9	0.137	3.11	17.4	18.0	1.09	493	5.61	1.44	7.9	19.5	600	23.7
S047227		16.70	0.11	0.9	0.139	3.24	18.2	17.1	1.12	515	5.65	1.44	8.0	19.0	590	22.0
S047228		17.60	0.11	0.8	0.359	2.90	16.4	22.0	0.75	651	5.57	0.06	4.7	19.6	500	44.3
S047229		15.95	0.10	0.9	0.113	2.99	17.3	25.4	1.11	654	6.88	0.64	7.7	18.6	560	87.8
S047230		16.95	0.09	1.0	0.074	2.54	15.4	32.4	0.80	800	5.29	0.10	8.6	20.3	600	16.9
S047231		14.85	0.11	0.8	0.078	2.76	19.2	28.6	1.22	795	11.70	0.04	7.1	17.5	530	114.5
S047232		15.90	0.11	1.0	0.100	3.10	17.6	30.2	1.15	725	18.65	0.09	7.9	18.7	640	18.5
S047233		0.38	0.09	<0.1	<0.005	0.04	0.6	1.3	12.45	195	0.36	0.01	0.2	1.0	190	1.1
S047234		15.35	0.12	1.0	0.101	3.66	17.9	20.5	1.20	446	36.1	0.63	7.0	21.9	650	42.5
S047235		18.30	0.11	1.3	0.130	3.51	20.9	27.0	1.52	442	14.00	0.91	8.7	24.1	780	21.9
S047236		16.85	0.12	1.1	0.132	3.46	19.6	19.7	1.13	457	8.70	0.80	7.2	20.2	600	22.0
S047237		18.20	0.12	1.1	0.152	3.87	21.7	17.1	0.93	551	10.50	0.78	6.6	22.6	570	32.8
S047238		16.60	0.11	1.2	0.321	3.23	30.5	27.1	0.85	2030	16.80	0.16	6.9	14.7	560	524
S047239		16.70	0.10	0.8	0.097	2.98	19.6	18.8	1.03	877	5.88	0.47	6.8	17.8	570	29.2
S047240		17.30	0.10	0.8	0.123	3.03	16.5	17.8	1.09	594	4.66	1.43	8.0	24.7	580	39.4
S047241		15.95	0.10	1.0	0.123	3.07	16.4	18.1	0.89	831	10.45	0.42	7.6	23.4	610	47.9
S047242		17.65	0.11	0.7	0.198	3.20	14.3	15.3	0.72	448	3.87	0.27	7.6	19.5	570	18.7
S047243		17.25	0.14	0.8	0.107	3.06	18.9	18.1	0.91	317	3.18	1.52	8.1	24.2	610	23.3
S047244		18.95	0.12	0.8	0.158	3.37	25.6	11.1	0.66	454	47.7	0.24	7.0	19.4	670	29.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047209		113.5	<0.002	1.59	8.64	8.1	2	2.8	666	0.62	0.17	9.26	0.211	1.92	3.4	72
S047210		93.0	0.002	1.21	3.86	7.7	1	2.6	739	0.62	0.12	8.98	0.198	1.47	2.9	65
S047211		96.1	0.002	0.95	1.90	7.9	1	2.7	414	0.61	0.06	9.26	0.203	1.37	3.3	66
S047212		136.0	0.002	1.80	26.3	7.4	1	3.6	216	0.59	0.10	9.04	0.199	2.32	2.7	65
S047213		130.5	0.002	1.81	28.2	7.4	1	3.6	208	0.61	0.12	8.61	0.202	2.38	2.5	66
S047214		170.5	0.002	1.15	22.8	6.0	1	1.9	72.8	0.61	0.43	9.65	0.228	2.80	4.9	51
S047215		184.5	0.002	1.10	16.20	6.6	1	2.6	72.5	0.66	0.07	9.96	0.255	2.86	4.7	57
S047216		117.0	<0.002	1.68	25.4	7.4	1	4.8	273	0.56	0.13	8.06	0.195	2.06	3.0	67
S047217		106.5	0.002	2.14	4.18	7.9	2	5.0	384	0.61	0.18	8.93	0.198	1.67	2.9	70
\S047218		163.5	0.002	4.59	65.5	9.4	1	7.4	95.9	0.54	1.12	11.10	0.203	2.51	5.0	62
S047219		111.5	0.002	1.90	7.84	8.0	2	6.0	263	0.63	0.18	9.46	0.209	1.67	2.9	70
S047220		104.0	0.002	4.26	38.8	7.6	6	7.2	79.7	0.53	0.76	9.19	0.184	2.02	2.7	66
S047221		1.5	<0.002	0.01	0.12	0.2	<1	<0.2	49.9	<0.05	<0.05	0.13	<0.005	0.02	1.0	3
S047222		110.5	<0.002	2.40	62.9	7.5	2	3.9	92.4	0.57	0.28	9.34	0.196	1.75	3.5	66
S047223		66.5	0.002	1.17	27.6	7.8	1	3.1	95.9	0.67	0.09	8.56	0.224	1.04	2.1	67
S047224		98.3	0.002	1.63	24.8	7.7	2	3.2	168.5	0.62	0.18	8.66	0.211	1.50	3.2	67
S047225		106.0	<0.002	1.47	7.13	7.9	2	3.6	327	0.65	0.13	8.88	0.209	1.44	2.4	67
S047226		106.0	<0.002	1.71	5.90	8.0	1	5.0	346	0.63	0.19	8.62	0.210	1.44	3.2	66
S047227		112.0	<0.002	1.82	7.50	7.9	1	4.9	340	0.63	0.17	9.20	0.212	1.48	3.5	66
S047228		127.5	<0.002	5.84	69.9	7.1	7	9.6	66.5	0.40	0.80	8.21	0.146	1.60	2.4	62
S047229		106.0	0.002	2.26	39.5	7.7	2	3.9	227	0.61	0.21	9.01	0.201	1.53	2.7	66
S047230		67.7	<0.002	0.99	30.8	8.0	1	2.5	128.0	0.71	0.08	8.68	0.228	1.07	2.7	71
S047231		145.5	0.002	1.46	36.5	7.4	1	2.3	91.8	0.60	0.20	9.24	0.198	2.32	4.6	64
S047232		133.0	0.005	1.61	24.7	8.9	2	3.6	219	0.62	0.07	9.50	0.220	2.27	3.7	71
S047233		1.8	<0.002	<0.01	0.28	0.2	<1	<0.2	49.1	<0.05	<0.05	0.14	<0.005	0.02	0.5	3
S047234		143.5	0.004	3.37	4.26	9.6	6	6.2	180.0	0.56	0.11	9.33	0.214	2.01	2.1	75
S047235		126.0	0.004	1.45	3.51	11.0	2	5.6	306	0.70	0.06	10.35	0.258	1.77	2.7	89
S047236		136.5	0.003	2.75	7.02	8.3	3	6.0	267	0.63	0.28	9.54	0.204	2.18	3.2	68
S047237		154.5	0.003	2.42	10.50	8.2	2	6.6	256	0.58	0.13	10.55	0.189	2.31	3.3	68
S047238		180.0	0.004	2.94	32.7	10.0	1	5.7	119.5	0.57	0.39	13.15	0.220	2.71	5.7	71
S047239		123.0	0.002	1.68	23.4	7.9	2	6.7	169.5	0.58	0.11	9.48	0.196	2.25	2.7	71
S047240		88.4	0.002	1.45	8.95	8.0	2	3.7	378	0.67	0.16	8.92	0.214	1.50	2.6	69
S047241		98.8	0.003	1.64	15.30	8.5	2	4.0	196.0	0.60	0.50	8.99	0.217	1.94	2.6	72
S047242		104.5	0.004	2.05	14.20	7.9	3	7.5	131.5	0.61	2.15	8.33	0.204	2.16	3.7	66
S047243		95.4	0.002	1.05	7.94	8.5	1	3.0	392	0.63	0.11	9.86	0.221	1.21	2.9	69
S047244		153.0	0.056	3.56	6.71	8.9	3	11.6	80.0	0.54	0.79	9.80	0.189	2.25	1.9	63

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047209		3.2	8.8	154	25.1	0.041
S047210		3.3	8.3	97	22.5	0.044
S047211		3.8	8.7	112	23.9	0.030
S047212		4.0	10.0	182	29.7	0.036
S047213		4.2	9.9	181	31.6	0.039
S047214		3.9	12.4	151	102.5	0.047
S047215		3.8	13.7	137	121.0	0.059
S047216		6.3	7.7	132	25.3	0.046
S047217		4.4	8.7	126	25.9	0.047
\S047218		5.8	11.7	2450	30.2	0.862
S047219		5.4	9.2	124	27.0	0.033
S047220		5.3	9.2	115	24.4	0.110
S047221		0.1	0.8	18	<0.5	<0.005
S047222		6.8	9.4	129	23.4	0.056
S047223		12.2	7.7	108	25.5	0.034
S047224		5.5	8.7	132	24.8	0.035
S047225		3.4	9.7	153	24.5	0.018
S047226		3.8	9.3	134	24.8	0.023
S047227		3.4	9.0	118	25.6	0.026
S047228		17.7	9.3	204	22.1	0.064
S047229		4.9	9.7	151	24.0	0.041
S047230		8.2	9.9	195	25.8	0.025
S047231		10.9	9.5	148	23.1	0.030
S047232		6.8	11.3	229	29.5	0.101
S047233		0.2	0.8	17	<0.5	<0.005
S047234		7.0	12.2	243	36.8	0.049
S047235		3.6	13.5	233	41.2	0.041
S047236		4.0	10.9	161	31.7	0.031
S047237		5.2	13.7	292	31.1	0.043
S047238		5.9	13.4	970	34.3	0.339
S047239		4.5	15.0	265	21.7	0.023
S047240		2.8	13.2	256	20.8	0.021
S047241		4.1	12.0	225	29.3	0.027
S047242		5.7	8.3	174	19.4	0.035
S047243		2.6	11.4	179	20.9	0.020
S047244		7.0	15.2	239	20.8	0.022

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117087

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117089

Project: Klaza

P.O. No.: Batch 43

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

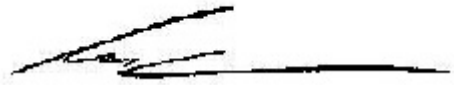
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117089

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047245		7.44	0.87	7.19	10.9	1430	1.40	1.06	1.66	3.39	34.4	8.6	62	6.43	703	3.21
S047246		7.88	0.86	7.28	9.2	1330	1.59	0.95	1.58	11.10	37.0	18.6	64	8.72	760	3.81
S047247		10.22	0.58	7.02	6.4	1910	1.47	0.94	1.96	3.63	28.6	11.0	67	5.86	345	3.40
S047248		6.86	0.59	6.93	14.8	1310	1.55	1.22	1.56	8.99	33.4	14.1	61	9.76	562	3.47
S047249		0.32	4.50	6.39	714	400	1.40	2.91	2.04	10.10	42.1	12.5	25	13.15	308	4.95
S047250		6.60	0.78	7.28	24.8	1250	1.47	2.80	2.51	4.82	35.6	11.1	64	8.49	350	3.56
S047251		7.22	0.88	6.58	19.0	1340	1.45	1.31	2.16	0.94	27.2	9.9	56	9.15	413	3.24
S047252		6.16	1.59	7.09	24.0	1320	1.25	1.19	2.06	3.23	34.6	12.3	57	7.58	500	3.44
S047253		6.66	0.40	7.04	42.2	1960	1.78	0.34	2.88	1.47	55.3	7.8	25	8.62	63.5	2.76
S047254		5.12	1.27	7.57	75.4	1380	1.54	1.21	3.13	2.70	67.5	8.4	26	8.98	76.3	3.00
S047255		6.92	2.37	6.82	88.4	410	1.24	1.50	1.84	2.36	35.1	23.6	52	9.49	1100	4.69
S047256		6.22	0.01	0.12	<0.2	40	0.09	0.03	20.8	0.07	2.04	0.7	2	0.77	3.6	0.48
S047257		3.24	1.79	7.18	38.9	1300	1.21	0.82	2.60	0.66	36.2	8.9	56	12.80	475	2.85
S047258		6.76	1.03	7.17	42.8	850	1.46	1.16	2.29	0.15	37.5	9.7	56	15.45	381	3.57
S047259		<0.02	1.00	7.00	45.4	730	1.45	1.16	2.35	0.13	35.5	9.1	54	15.10	379	3.60
S047260		5.34	2.90	5.81	41.3	660	0.97	1.06	1.99	0.61	28.7	12.5	46	11.15	1410	4.59
S047261		6.40	1.47	6.77	42.9	680	1.30	1.21	2.13	0.95	30.9	14.8	54	14.85	604	3.68
S047262		4.56	0.52	6.99	15.1	1900	1.47	0.73	2.94	0.23	32.7	8.5	59	12.75	232	2.91
S047263		11.92	0.72	7.10	10.5	1420	1.37	0.99	2.30	0.50	33.6	9.5	59	10.55	260	3.19
S047264		6.14	0.72	6.97	10.3	1430	1.38	1.01	2.36	0.34	31.8	9.1	54	9.71	271	3.20
S047265		12.46	1.01	7.05	5.1	1550	1.41	0.64	1.81	0.29	31.7	10.2	56	5.58	386	3.23
S047266		11.22	0.62	6.82	4.2	830	1.25	0.82	1.77	0.45	29.9	9.1	56	5.60	210	3.71
S047267		0.32	11.55	6.40	1605	180	1.53	10.10	1.89	30.2	38.1	17.7	20	13.15	287	6.59
S047268		6.30	0.31	7.31	5.5	1730	1.53	0.48	2.12	0.28	32.2	8.3	58	6.18	157.0	2.85
S047269		6.92	1.37	7.05	102.0	520	1.44	1.81	3.21	4.47	30.4	12.9	52	15.80	295	4.73
S047270		9.34	0.50	7.12	11.7	2340	1.40	0.58	2.41	0.16	32.0	8.2	57	7.97	236	2.97
S047271		4.78	3.04	6.89	62.5	680	1.39	2.57	2.78	3.97	36.8	10.3	51	10.80	408	3.38
S047272		6.06	0.01	0.10	<0.2	40	<0.05	0.02	20.0	0.05	1.27	0.8	2	0.18	1.9	0.49
S047273		10.16	0.65	6.38	22.6	1440	1.34	1.06	2.33	3.42	29.2	13.8	57	6.76	378	3.25
S047274		11.28	0.72	6.73	26.4	1350	1.23	1.45	2.59	0.28	36.0	8.5	55	7.29	348	2.98
S047275		6.70	1.18	6.84	43.1	1130	1.22	2.42	2.85	1.44	37.3	10.4	59	12.45	222	2.82
S047276		5.68	0.60	6.55	11.3	1820	1.34	1.00	2.30	0.17	33.4	8.6	57	9.91	370	3.16
S047277		13.80	6.60	6.67	117.0	490	1.30	22.4	2.38	6.58	34.5	13.9	53	14.30	800	4.31
S047278		12.30	1.68	6.58	78.3	440	1.25	4.20	2.05	3.23	37.1	11.4	58	12.65	564	4.31
S047279		6.10	1.23	6.35	102.0	610	1.21	5.10	2.20	1.57	32.9	11.7	53	14.75	701	3.59
S047280		6.58	0.64	6.62	5.2	1440	1.43	1.25	2.14	0.80	36.7	9.1	54	7.96	445	3.34

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047245		16.45	0.21	0.8	0.165	2.89	18.7	16.2	1.20	319	11.00	1.60	7.5	20.2	560	18.6
S047246		16.50	0.20	0.8	0.177	3.04	20.1	16.7	1.08	983	6.69	1.41	7.4	23.8	560	27.4
S047247		17.05	0.21	0.9	0.141	3.13	14.3	15.3	1.23	420	5.96	1.93	8.0	22.5	600	22.6
S047248		16.65	0.20	0.8	0.106	3.11	16.6	22.6	1.03	587	9.75	0.77	7.7	27.8	600	30.6
S047249		15.40	0.17	1.1	0.315	2.84	23.1	26.6	0.74	1860	13.70	0.15	6.1	14.1	500	470
S047250		17.10	0.21	0.9	0.189	3.06	18.4	26.9	1.11	749	6.10	0.32	8.1	19.2	610	20.7
S047251		16.30	0.18	0.9	0.158	2.92	13.9	20.6	1.11	423	4.38	1.08	7.6	19.9	570	20.4
S047252		16.80	0.20	0.9	0.191	3.23	18.4	28.0	0.96	669	13.80	0.56	7.3	17.7	580	314
S047253		19.20	0.25	4.2	0.058	2.67	27.6	14.2	1.03	1070	2.26	1.93	11.2	8.8	1340	122.0
S047254		18.75	0.27	4.0	0.066	2.59	36.1	13.0	1.27	1040	2.30	1.53	10.8	9.2	1360	261
S047255		15.95	0.25	0.8	0.178	3.65	18.2	17.4	0.74	662	5.38	0.20	5.7	22.0	520	139.0
S047256		0.45	0.33	<0.1	0.009	0.07	1.0	1.6	12.85	211	<0.05	0.01	0.3	1.3	190	1.3
S047257		16.10	0.29	0.9	0.128	3.34	19.1	16.6	1.01	980	13.65	0.41	7.3	16.0	590	84.0
S047258		16.30	0.26	0.9	0.195	3.67	20.4	10.4	0.95	942	13.65	0.48	7.0	17.8	580	21.8
S047259		16.55	0.24	0.9	0.191	3.57	19.5	11.0	0.99	926	13.30	0.53	7.1	18.0	550	22.2
S047260		13.10	0.21	0.7	0.323	3.62	15.1	9.3	0.86	758	8.32	0.11	4.7	16.0	460	39.6
S047261		16.25	0.23	0.9	0.178	4.05	15.7	10.4	0.88	467	5.09	0.35	6.2	18.1	570	24.7
S047262		16.20	0.24	0.9	0.131	3.03	17.3	17.5	1.27	460	2.96	1.37	7.3	18.2	570	14.1
S047263		16.30	0.21	0.9	0.120	3.20	18.1	22.1	1.25	426	10.80	1.17	7.1	19.2	570	37.6
S047264		16.35	0.24	0.9	0.134	3.19	17.0	22.3	1.25	428	7.56	1.17	7.2	18.8	570	35.5
S047265		15.55	0.24	0.9	0.082	3.53	16.4	18.9	1.15	312	14.00	1.63	6.9	18.9	560	33.8
S047266		15.35	0.21	0.9	0.089	3.25	15.6	18.2	1.13	315	7.24	1.39	6.9	18.8	550	33.7
S047267		15.30	0.19	1.0	0.781	2.85	19.3	19.8	0.75	1800	8.46	0.13	6.4	11.3	530	1290
S047268		16.85	0.22	0.9	0.070	2.89	16.7	15.0	1.10	308	13.15	2.06	7.8	19.8	590	15.9
S047269		15.75	0.23	0.9	0.134	3.09	16.2	12.5	1.36	1070	7.47	0.24	5.8	17.5	380	280
S047270		16.90	0.22	0.9	0.072	3.04	16.6	17.3	1.10	399	7.94	1.72	7.6	19.4	550	19.5
S047271		15.95	0.24	1.1	0.103	2.63	20.6	20.2	1.02	1240	5.80	0.06	7.0	22.2	540	363
S047272		0.33	0.36	<0.1	0.010	0.03	0.6	1.0	12.45	212	0.07	0.02	0.2	1.1	160	1.1
S047273		15.75	0.11	0.9	0.112	3.31	14.6	14.2	0.73	581	10.70	1.13	7.0	19.5	560	22.2
S047274		16.05	0.10	0.9	0.107	2.92	19.5	13.7	1.01	402	14.90	1.45	7.2	18.0	530	27.9
S047275		16.55	0.12	0.9	0.111	2.99	21.3	20.4	1.06	785	15.05	0.34	7.9	19.0	550	90.8
S047276		16.20	0.11	0.9	0.107	3.04	17.6	17.3	0.91	432	14.20	1.24	7.2	18.3	510	14.8
S047277		15.65	0.13	0.8	0.159	2.93	18.5	16.7	0.86	1330	12.70	0.09	6.6	20.1	530	1110
S047278		15.25	0.12	0.9	0.125	3.16	20.6	10.8	0.89	779	13.50	0.09	5.7	18.3	510	123.5
S047279		16.00	0.12	0.8	0.165	2.75	17.6	15.8	0.76	561	12.45	0.12	6.5	17.2	520	25.7
S047280		16.50	0.14	0.9	0.112	2.91	19.3	16.6	1.07	312	19.25	1.54	7.7	19.1	660	18.1

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047245		94.4	0.003	1.19	2.53	8.8	1	4.4	345	0.60	0.15	9.09	0.210	1.20	2.5	68
S047246		105.5	0.002	1.58	3.07	8.1	2	3.8	305	0.56	0.13	9.35	0.208	1.45	2.4	67
S047247		83.7	0.004	1.01	2.03	8.1	1	3.0	403	0.65	0.11	7.28	0.229	1.26	2.6	72
S047248		96.5	0.010	1.70	3.48	8.5	2	5.8	177.0	0.61	0.15	7.94	0.217	1.56	3.2	72
S047249		133.0	0.002	2.68	27.6	9.1	1	5.4	104.0	0.46	0.28	9.92	0.199	2.58	4.9	65
S047250		88.5	0.002	1.37	4.21	8.8	2	5.4	145.5	0.65	0.08	8.55	0.232	1.66	3.0	71
S047251		76.5	<0.002	1.32	3.57	7.7	1	3.6	261	0.64	0.08	7.03	0.214	1.49	3.5	68
S047252		104.5	0.002	1.79	5.48	8.4	1	4.9	178.0	0.61	0.13	8.53	0.212	1.63	2.8	68
S047253		80.5	<0.002	0.82	17.20	6.4	1	1.3	455	0.68	0.35	6.86	0.350	1.81	4.2	66
S047254		103.5	0.002	1.72	16.70	6.8	1	1.4	324	0.65	0.87	8.58	0.358	2.09	6.8	67
S047255		128.5	0.003	3.82	60.8	7.7	5	6.1	149.5	0.46	0.23	7.99	0.174	2.09	3.6	71
S047256		4.2	<0.002	<0.01	0.18	0.2	<1	<0.2	48.1	<0.05	<0.05	0.14	0.005	0.03	0.6	2
S047257		123.5	0.007	1.71	21.5	7.6	2	4.9	192.0	0.59	0.22	8.92	0.211	2.13	3.7	69
S047258		153.5	0.004	2.43	14.15	7.6	1	5.9	204	0.57	0.15	9.00	0.209	2.61	3.9	66
S047259		147.0	0.002	2.45	13.40	7.6	1	5.6	212	0.57	0.17	8.48	0.205	2.51	3.6	65
S047260		133.5	<0.002	3.81	16.25	6.5	4	6.7	108.0	0.40	0.20	7.13	0.155	2.14	2.5	61
S047261		140.5	0.002	2.72	9.15	7.7	3	6.6	165.0	0.49	0.35	7.74	0.187	2.33	2.8	66
S047262		98.3	0.003	1.27	2.81	7.8	1	2.5	421	0.61	0.16	7.91	0.213	1.67	3.5	67
S047263		106.5	<0.002	1.82	3.11	8.1	2	4.3	300	0.60	0.18	8.57	0.208	1.72	3.4	68
S047264		102.5	0.003	1.81	3.03	8.0	2	4.3	296	0.59	0.15	7.95	0.202	1.59	3.2	66
S047265		109.0	0.006	1.81	1.78	8.1	3	3.7	761	0.56	0.07	8.41	0.202	1.62	3.8	70
S047266		101.5	0.004	2.39	1.80	7.9	3	5.4	284	0.57	0.09	7.55	0.203	1.57	3.2	69
S047267		139.5	<0.002	4.69	64.5	9.1	1	7.6	93.0	0.50	1.27	9.87	0.207	2.65	5.1	63
S047268		82.6	0.009	0.87	1.97	8.3	1	2.6	434	0.63	<0.05	8.20	0.224	1.24	3.4	69
S047269		140.5	0.007	4.03	18.50	7.9	8	7.2	148.5	0.48	0.45	7.64	0.182	2.86	2.8	68
S047270		94.3	0.007	0.78	5.62	8.3	1	1.9	426	0.60	<0.05	8.37	0.217	1.61	3.3	69
S047271		101.5	0.007	2.46	54.2	8.0	4	7.3	92.9	0.57	0.72	8.65	0.200	2.06	3.4	63
S047272		1.0	<0.002	<0.01	0.11	0.2	<1	<0.2	49.0	<0.05	<0.05	0.10	0.006	<0.02	0.5	2
S047273		90.9	0.009	1.45	8.59	7.4	2	3.2	256	0.60	0.05	7.48	0.204	1.57	2.4	66
S047274		89.8	0.017	1.21	7.94	7.8	1	3.2	286	0.60	0.12	8.47	0.200	1.40	2.8	65
S047275		105.5	0.024	1.32	26.4	8.2	2	2.4	156.0	0.67	0.34	8.65	0.215	1.91	3.3	65
S047276		93.2	0.011	1.30	11.00	8.1	2	2.6	340	0.60	0.07	8.20	0.202	1.77	3.2	70
S047277		121.0	0.009	3.63	34.3	7.9	4	5.4	90.9	0.56	0.38	8.17	0.193	2.40	2.5	66
S047278		127.5	0.007	3.73	23.4	7.7	5	10.3	82.9	0.48	0.65	8.23	0.166	2.41	2.8	66
S047279		108.0	0.005	2.67	67.4	7.8	4	4.2	92.7	0.54	0.25	8.29	0.190	1.96	2.9	72
S047280		87.8	0.008	0.99	3.76	9.9	2	2.5	323	0.61	0.05	8.88	0.234	1.41	2.5	82

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047245		3.1	9.4	132	21.0	0.043
S047246		3.9	21.4	447	21.2	0.040
S047247		3.7	9.4	125	23.0	0.049
S047248		7.7	13.5	239	23.0	0.024
S047249		5.4	10.7	868	29.4	0.361
S047250		5.8	12.0	202	23.2	0.020
S047251		5.6	7.3	96	22.3	0.026
S047252		7.9	8.6	288	23.3	0.028
S047253		1.9	9.9	221	163.5	0.015
S047254		3.2	11.4	227	168.5	0.036
S047255		9.1	7.8	279	21.5	0.047
S047256		0.1	0.9	18	0.7	<0.005
S047257		7.2	8.1	158	24.6	0.034
S047258		5.2	8.1	123	23.0	0.037
S047259		5.3	7.8	121	23.5	0.039
S047260		5.6	6.2	132	18.4	0.042
S047261		7.5	7.7	124	23.6	0.028
S047262		5.4	7.3	85	23.5	0.018
S047263		5.0	7.2	107	22.1	0.015
S047264		5.6	7.2	98	22.1	0.017
S047265		7.5	6.8	74	24.2	0.028
S047266		4.6	7.0	82	24.0	0.012
S047267		5.8	10.1	2420	29.1	0.861
S047268		2.3	7.7	65	25.3	0.010
S047269		5.5	7.6	288	24.9	0.045
S047270		2.3	7.7	88	24.9	0.030
S047271		8.5	9.1	322	24.2	0.050
S047272		0.1	0.8	18	0.7	<0.005
S047273		4.7	10.9	229	25.6	0.023
S047274		3.1	8.9	76	23.8	0.043
S047275		3.9	10.8	170	24.5	0.039
S047276		3.8	8.8	91	23.9	0.024
S047277		5.6	11.1	323	22.8	0.064
S047278		8.8	8.1	220	22.9	0.053
S047279		4.0	9.5	139	22.7	0.039
S047280		3.7	10.3	78	23.5	0.022

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117089

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117091

Project: Klaza

P.O. No.: Batch 44

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117091

Sample Description	Method	WEI-21	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290797		0.88		0.23	6.75	9.2	1930	1.71	0.24	2.60	0.30	52.0	7.1	12	14.60	22.8
K290798		1.36		0.98	6.49	30.3	1400	1.56	0.66	3.06	6.04	43.4	6.9	10	14.80	38.4
K290799		1.54		4.89	6.43	142.0	570	1.64	3.22	2.60	18.55	43.2	7.9	10	12.85	63.9
K290800		1.60		0.10	7.01	8.6	2050	1.67	0.10	2.22	0.17	45.4	6.8	11	14.80	11.1
K290801		4.66		0.14	6.77	13.8	2030	1.54	0.16	2.69	0.16	43.9	7.3	9	12.30	9.3
K290802		0.98		1.12	6.79	235	1910	1.68	0.36	2.87	13.30	50.7	5.5	12	18.20	28.8
K290803		0.32		4.29	6.50	687	470	1.37	3.45	2.00	10.30	47.9	12.2	24	13.60	305
K290804		1.92		0.70	6.55	46.6	1440	1.64	0.46	2.75	0.32	46.4	6.7	10	21.1	16.5
K290805		1.82		4.97	6.62	501	790	1.52	1.96	2.52	13.25	48.0	6.3	10	17.05	47.3
K290806		1.06		0.31	6.44	130.5	2460	1.49	0.68	2.14	0.37	40.0	5.0	7	23.7	7.2
K290807		1.46		1.77	7.10	293	610	1.46	1.24	1.50	4.84	52.9	5.4	11	12.55	19.2
K290808		1.40		22.7	6.53	424	170	1.21	11.45	0.48	13.00	45.8	24.3	11	9.00	350
K290809		6.04		0.03	0.07	0.9	30	0.07	0.03	19.90	0.08	1.21	0.6	<1	0.19	2.0
K290810		2.20		2.60	7.12	108.5	470	1.27	1.24	1.19	10.35	53.2	6.1	9	10.55	16.8
K290811		2.02		6.10	6.75	451	420	1.37	2.80	1.84	19.35	51.3	6.6	7	14.20	72.8
K290812		6.22		3.95	6.95	98.4	350	1.45	1.73	2.37	8.77	54.3	6.5	10	13.00	92.7
K290813		3.58		4.29	6.68	247	550	1.37	2.33	1.08	13.60	48.8	8.5	11	13.70	34.8
K290814		1.38	3.02	96.1	5.27	495	770	1.03	7.29	0.58	109.0	30.1	11.5	8	5.22	113.0
K290815		2.00		1.46	6.97	105.5	380	1.67	1.16	1.86	3.11	48.5	7.6	10	16.15	9.6
K290816		<0.02		1.49	6.97	113.5	460	1.59	1.35	1.75	3.50	49.6	8.2	12	15.80	10.5
K290817		4.14		1.24	6.84	69.6	1520	1.54	0.43	2.01	5.58	48.8	6.4	9	17.45	7.6
K290818		1.12		1.14	6.93	48.1	1260	1.61	0.46	2.35	5.84	52.9	6.8	12	18.20	12.1
K290819		1.24		1.18	6.56	23.5	3360	1.64	0.54	1.85	3.05	44.4	9.6	10	19.05	15.5
K290820		6.24		0.01	0.07	0.4	40	0.06	0.02	20.1	0.08	1.25	0.7	<1	0.17	2.9
K290821		1.36		0.09	6.93	13.3	1680	1.23	0.20	1.54	0.19	42.4	6.3	9	13.30	6.7
K290822		6.82		0.28	6.82	35.0	2230	1.47	0.24	2.21	1.65	45.4	5.9	9	17.10	11.3
K290823		1.56		1.90	6.23	32.4	2270	1.32	0.48	2.74	16.70	45.2	8.4	9	14.95	31.0
K290824		0.66		1.47	6.69	54.8	2550	1.40	0.28	3.15	11.45	45.0	6.7	14	15.75	13.2
K290825		3.80		1.02	6.99	157.0	1470	1.41	0.67	1.95	1.32	49.6	6.4	10	20.9	13.4
K290826		1.10		1.75	7.35	289	830	1.41	1.13	0.98	5.06	56.1	11.9	9	14.10	31.1
K290827		1.42		0.08	7.74	9.1	2120	1.19	0.23	0.97	0.18	48.7	8.7	10	10.25	4.9
K290828		1.32		0.08	7.40	9.7	2970	1.27	0.16	1.40	0.19	48.0	6.5	9	9.87	8.7
K290829		0.34		12.05	6.13	1490	140	1.41	12.05	1.80	33.2	45.0	17.6	19	14.20	280
K290830		1.60		0.10	7.05	10.2	2080	1.46	0.26	2.22	0.23	42.4	4.5	9	16.00	10.8
K290831		1.10		0.42	7.07	70.4	930	1.50	1.42	3.66	0.17	53.3	13.1	9	20.8	6.2
K290832		6.08		0.38	6.98	162.5	1740	1.65	0.39	2.50	0.21	48.4	8.7	9	23.9	10.3

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To: **ROCKHAVEN RESOURCES LTD.**
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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290797		2.89	16.70	0.13	1.4	0.049	2.76	26.7	12.3	0.64	738	3.77	1.70	8.6	2.5	570
K290798		2.76	16.25	0.13	1.3	0.185	2.46	21.3	42.2	0.57	1120	4.16	0.66	8.1	2.3	530
K290799		4.81	15.95	0.12	1.4	0.597	3.02	21.4	23.7	0.62	1890	3.08	0.11	7.6	2.4	510
K290800		2.81	16.65	0.12	1.5	0.047	2.69	23.0	16.8	0.61	571	6.24	1.82	8.8	2.5	570
K290801		2.92	16.25	0.12	1.2	0.051	2.54	21.9	11.2	0.72	676	2.96	2.11	8.4	2.7	530
K290802		2.89	16.70	0.14	1.1	0.174	2.94	26.2	15.7	0.69	1420	2.67	1.28	8.3	2.4	550
K290803		4.93	15.15	0.13	1.0	0.298	2.86	27.1	24.9	0.76	1870	14.45	0.15	6.2	14.2	490
K290804		2.80	16.45	0.13	1.2	0.059	2.74	23.1	27.6	0.56	1060	2.27	0.87	8.2	2.4	530
K290805		3.84	15.00	0.13	1.1	0.193	2.82	25.4	21.1	0.79	1980	1.36	0.04	7.4	2.4	510
K290806		2.02	15.10	0.13	1.1	0.098	2.85	20.5	20.4	0.59	792	0.44	0.04	7.1	1.7	500
K290807		2.56	15.80	0.13	1.1	0.177	3.46	28.6	9.8	0.60	1180	0.74	0.04	7.2	2.0	540
K290808		6.06	13.70	0.12	1.0	0.430	3.24	24.8	6.9	0.39	645	2.58	0.03	4.2	3.3	460
K290809		0.44	0.23	0.13	<0.1	0.005	0.03	0.6	0.9	12.50	194	0.07	<0.01	0.1	1.3	160
K290810		3.59	15.50	0.18	1.1	0.097	3.47	30.0	5.7	0.57	1630	0.67	0.03	5.6	2.7	560
K290811		4.42	15.75	0.17	1.1	0.580	3.16	28.2	6.4	0.71	2160	0.65	0.03	6.6	2.5	520
K290812		3.90	16.30	0.15	1.4	0.187	3.27	29.4	24.7	0.81	1760	1.83	0.03	6.8	2.8	610
K290813		5.10	16.00	0.14	1.7	0.345	2.88	24.8	43.9	0.56	1070	6.13	0.03	7.7	3.5	680
K290814		6.12	12.45	0.11	0.7	0.495	2.56	15.1	10.4	0.40	1900	2.95	0.03	4.9	1.9	350
K290815		4.33	16.25	0.13	1.1	0.174	3.16	25.6	30.3	0.70	1540	2.10	0.04	8.0	2.6	590
K290816		4.55	16.45	0.15	1.1	0.177	3.14	26.0	30.8	0.67	1450	2.26	0.04	7.9	2.8	550
K290817		2.78	16.00	0.16	1.1	0.131	3.08	27.0	35.8	0.74	1530	1.10	0.04	7.5	2.2	540
K290818		2.87	16.30	0.15	1.2	0.100	3.24	28.4	32.5	0.85	1770	1.01	0.04	8.1	2.6	520
K290819		3.12	16.15	0.13	1.2	0.104	2.79	22.7	104.5	0.71	1370	3.38	0.04	7.9	2.7	530
K290820		0.45	0.25	0.18	<0.1	0.005	0.02	0.6	1.0	12.55	198	0.06	<0.01	0.1	1.2	230
K290821		2.30	16.80	0.17	1.5	0.048	1.65	21.4	55.0	0.56	793	1.38	0.04	9.0	2.8	600
K290822		2.72	16.90	0.16	1.5	0.059	2.64	23.2	32.6	0.67	1010	1.38	0.59	8.5	2.1	540
K290823		2.89	15.10	0.15	1.2	0.087	2.94	23.2	27.4	0.64	1280	1.27	0.59	7.3	2.3	500
K290824		2.95	15.85	0.15	1.1	0.071	3.10	23.2	20.1	0.60	1930	1.46	0.46	7.6	4.2	550
K290825		3.04	16.15	0.15	1.3	0.072	3.21	25.8	39.3	0.68	1050	1.52	0.11	8.1	2.5	580
K290826		3.59	16.20	0.16	1.2	0.145	3.51	31.0	22.4	0.45	1090	1.30	0.06	7.6	2.2	560
K290827		3.18	16.55	0.14	1.3	0.045	2.95	24.9	29.3	0.38	737	0.97	0.12	8.3	2.1	610
K290828		3.01	16.75	0.12	1.3	0.055	1.71	24.1	53.9	0.48	846	1.46	0.06	8.8	2.2	630
K290829		6.47	14.90	0.12	1.1	0.785	2.80	23.6	19.2	0.73	1800	8.96	0.12	6.4	11.8	500
K290830		3.00	16.30	0.15	1.4	0.065	2.89	20.9	26.4	0.40	480	1.25	0.83	8.7	2.1	580
K290831		3.84	15.10	0.15	1.3	0.064	3.00	29.4	34.1	0.73	1160	1.07	0.24	7.4	2.5	510
K290832		2.87	15.90	0.14	1.2	0.058	2.96	25.4	58.3	0.68	1320	1.47	0.09	8.1	2.5	540

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K290797		31.4	118.5	<0.002	0.12	2.70	11.3	1	1.7	263	0.71	0.07	13.75	0.240	1.47	4.2
K290798		191.0	97.7	<0.002	0.32	5.76	9.6	<1	1.8	189.5	0.69	<0.05	11.30	0.229	1.73	4.4
K290799		1370	120.5	<0.002	2.56	9.25	9.5	1	3.9	98.5	0.63	0.06	10.95	0.218	2.81	4.5
K290800		21.3	99.7	<0.002	0.03	2.84	10.3	1	1.7	277	0.74	<0.05	12.65	0.248	1.23	4.5
K290801		19.6	95.5	<0.002	0.10	2.99	10.9	1	1.7	313	0.70	<0.05	11.40	0.249	1.33	3.5
K290802		283	129.5	<0.002	0.43	6.45	10.8	1	2.4	233	0.63	<0.05	12.70	0.244	2.00	4.6
K290803		483	148.5	0.004	2.62	28.1	9.1	1	5.4	104.5	0.52	0.32	10.65	0.196	2.51	4.9
K290804		29.8	118.5	<0.002	0.52	5.93	10.8	1	2.2	198.0	0.67	<0.05	12.85	0.240	1.94	5.0
K290805		900	165.0	<0.002	2.88	15.90	9.6	1	4.3	94.3	0.58	0.12	11.15	0.218	2.55	4.0
K290806		38.3	128.5	<0.002	1.04	5.64	9.4	1	1.7	134.5	0.63	0.28	10.75	0.222	2.60	3.6
K290807		234	203	<0.002	1.75	6.79	10.2	1	2.3	65.4	0.61	0.37	12.75	0.218	3.24	3.1
K290808		707	207	<0.002	6.38	32.9	9.1	1	2.9	14.4	0.39	1.08	10.80	0.140	3.33	1.6
K290809		2.4	1.4	<0.002	0.01	0.09	0.2	1	<0.2	47.2	<0.05	<0.05	0.09	<0.005	<0.02	0.5
K290810		347	203	<0.002	3.25	6.79	9.9	1	2.3	23.3	0.49	0.45	12.70	0.183	3.40	2.0
K290811		724	187.0	<0.002	3.37	11.35	9.7	<1	4.0	81.6	0.58	0.28	12.40	0.200	3.06	3.0
K290812		835	184.5	0.002	2.99	8.74	9.7	1	4.0	126.0	0.54	0.32	11.55	0.214	2.86	4.4
K290813		768	152.0	<0.002	4.48	28.1	8.7	<1	3.5	128.0	0.59	0.17	10.25	0.234	2.73	5.1
K290814		>10000	154.5	<0.002	6.03	98.6	7.3	1	4.5	15.2	0.43	0.44	8.32	0.148	2.31	1.9
K290815		236	177.0	<0.002	3.24	9.16	12.4	1	4.6	64.1	0.62	0.22	11.70	0.250	2.92	4.3
K290816		229	180.5	<0.002	3.56	9.10	12.3	1	4.8	62.1	0.63	0.28	11.95	0.243	2.90	4.3
K290817		451	156.0	<0.002	1.30	9.09	10.0	1	3.2	80.0	0.60	0.06	12.40	0.224	2.87	4.3
K290818		488	169.5	<0.002	0.95	7.85	10.8	1	2.6	96.3	0.67	0.12	12.70	0.233	3.21	5.5
K290819		288	123.0	<0.002	0.72	19.85	9.9	1	2.2	123.0	0.66	0.10	11.55	0.229	2.53	6.5
K290820		5.0	1.3	<0.002	<0.01	0.10	0.2	<1	<0.2	46.9	<0.05	<0.05	0.10	<0.005	0.02	0.5
K290821		12.8	68.9	<0.002	0.23	29.1	10.0	<1	1.7	93.4	0.77	<0.05	12.00	0.244	1.52	5.1
K290822		96.9	112.0	<0.002	0.25	14.45	10.7	1	1.8	157.0	0.74	<0.05	12.70	0.240	2.15	4.1
K290823		1230	132.5	<0.002	0.60	15.55	9.9	1	2.2	143.5	0.58	0.19	12.25	0.214	2.27	3.6
K290824		910	138.0	<0.002	0.51	13.40	10.0	1	2.5	141.5	0.60	<0.05	11.45	0.233	2.40	3.8
K290825		91.6	152.0	<0.002	0.80	12.65	10.7	<1	2.4	115.0	0.63	0.20	13.15	0.251	2.67	4.7
K290826		380	192.5	<0.002	2.36	11.30	10.5	<1	4.3	55.8	0.60	0.25	15.00	0.235	2.89	4.4
K290827		22.1	123.0	<0.002	0.21	20.5	10.9	1	1.7	83.9	0.67	<0.05	15.05	0.260	1.65	3.1
K290828		13.4	72.8	<0.002	0.12	23.9	11.3	1	1.8	82.5	0.68	<0.05	14.25	0.269	1.02	2.6
K290829		1290	156.5	0.002	4.55	63.9	9.1	1	7.9	92.1	0.53	1.15	11.80	0.200	2.68	5.5
K290830		26.2	112.5	<0.002	0.15	8.50	10.4	1	2.0	159.5	0.69	0.06	13.25	0.263	1.67	5.6
K290831		28.0	155.0	<0.002	2.11	15.05	10.0	1	1.9	157.0	0.65	0.73	13.35	0.222	2.60	5.2
K290832		25.0	138.5	<0.002	1.06	15.75	10.4	1	1.8	121.0	0.68	0.09	13.95	0.246	3.11	4.9

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K290797		64	1.4	18.6	62	39.7	<0.005
K290798		61	2.2	14.5	625	38.7	0.023
K290799		61	3.7	12.0	1890	39.9	0.172
K290800		65	2.0	15.4	49	42.4	<0.005
K290801		69	4.4	16.2	50	32.0	<0.005
K290802		66	3.1	16.4	1190	30.1	0.057
K290803		62	5.5	11.7	869	28.9	0.380
K290804		64	3.2	15.4	57	30.8	0.022
K290805		56	4.0	13.6	1120	30.3	0.221
K290806		63	2.9	13.0	76	28.0	0.032
K290807		60	2.8	12.6	563	30.3	0.142
K290808		51	3.8	10.0	1270	29.7	0.989
K290809		1	0.1	0.8	17	0.5	<0.005
K290810		60	3.7	11.1	861	32.1	0.157
K290811		59	3.5	11.8	1960	30.2	0.219
K290812		60	3.2	11.5	979	46.7	0.061
K290813		58	6.4	9.3	1220	61.2	0.149
K290814		45	4.2	6.3	7800	19.9	0.957
K290815		73	3.6	14.4	334	27.9	0.075
K290816		72	3.9	16.2	362	28.0	0.080
K290817		62	2.5	13.1	683	30.9	0.029
K290818		63	3.0	14.9	681	34.3	0.009
K290819		63	2.9	13.8	405	33.7	0.009
K290820		1	0.1	0.8	19	<0.5	<0.005
K290821		56	4.8	13.7	58	39.7	<0.005
K290822		63	2.7	16.7	195	39.5	0.009
K290823		58	2.6	15.5	1690	33.6	0.021
K290824		63	2.8	15.1	1180	33.5	0.143
K290825		68	3.3	14.8	184	34.8	0.015
K290826		66	3.7	12.2	515	33.7	0.095
K290827		70	3.4	16.1	56	35.4	<0.005
K290828		70	4.6	16.9	58	35.8	<0.005
K290829		60	6.0	11.2	2400	28.1	0.857
K290830		70	1.9	15.5	59	40.3	<0.005
K290831		64	2.0	17.1	52	33.2	0.024
K290832		66	4.1	14.9	53	33.2	0.033

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 5-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117091

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	Pb-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117092

Project: Klaza

P.O. No.: Batch 47

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

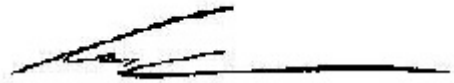
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117092

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290833		6.52		1.82	7.12	680	1160	1.72	0.44	1.99	8.60	46.9	7.6	10	19.00	8.8
K290834		3.38		5.29	6.73	1380	530	1.27	1.78	0.86	23.7	42.4	7.0	9	12.55	46.5
K290835		0.32		11.20	6.42	1540	230	1.37	11.85	1.84	31.5	44.4	17.2	19	12.90	281
K290836		1.58	1.435	32.9	4.40	5920	150	1.09	2.36	0.64	191.5	16.90	5.8	15	7.26	143.5
K290837		2.80		0.34	6.81	52.9	1940	1.64	0.36	2.14	1.22	37.8	6.4	10	13.80	12.0
K290838		1.06	1.085	27.7	5.80	2980	3360	1.31	2.13	1.69	137.5	33.1	8.2	11	14.20	477
K290839		3.40		1.56	7.04	506	1010	1.62	0.42	1.99	7.79	46.4	5.5	10	18.80	15.9
K290840		2.38		4.96	5.94	317	360	1.23	3.55	1.04	9.28	41.5	13.3	11	8.00	48.9
K290841		6.06		0.08	0.07	5.4	70	0.07	0.03	19.95	0.34	1.39	0.6	1	0.25	2.9
K290842		2.94		0.15	6.73	9.6	1990	1.29	0.39	4.33	0.32	54.5	6.9	8	11.45	5.4
K290843		1.58		0.16	7.20	13.3	2030	1.80	0.26	2.13	0.27	42.1	5.4	11	11.80	5.9
K290844		1.70		0.11	6.64	10.3	2060	1.37	0.29	2.85	0.33	38.2	5.6	11	16.25	7.0
K290845		1.70		0.16	7.32	20.8	1930	1.79	0.28	2.17	0.78	37.4	7.4	11	18.10	10.7
K290846		1.78		0.17	7.02	12.1	1830	1.74	0.37	2.14	0.31	38.5	8.7	10	17.30	6.4
K290847		<0.02		0.17	7.29	11.8	1830	1.83	0.36	2.13	0.28	42.4	8.4	10	17.20	6.4
K290848		1.92		1.48	6.61	59.4	290	1.70	1.85	1.96	1.67	38.5	9.0	11	14.15	41.5
K290849		1.46		0.30	6.81	17.9	1070	1.98	0.69	1.92	0.61	39.0	9.2	8	32.3	24.5
K290850		2.36		1.37	6.50	387	670	1.59	0.34	2.74	3.23	41.6	6.7	9	24.3	9.9
K290851		2.72		1.31	5.83	426	1670	1.27	0.35	3.25	8.73	39.8	4.9	10	13.25	17.3
K290852		1.82		0.50	6.61	135.5	1080	1.53	0.16	2.84	1.86	41.3	7.2	9	22.7	12.8
K290853		0.34		12.85	6.58	1580	490	1.36	12.20	1.89	31.5	44.6	17.7	19	13.15	290
K290854		1.56		2.93	7.00	690	480	1.60	0.72	2.23	10.05	45.0	6.3	9	18.25	28.0
K290855		1.86		0.18	6.70	19.8	2640	1.70	0.42	2.68	0.35	36.1	7.5	11	17.70	15.5
K290856		1.46		18.05	6.78	156.5	390	1.51	1.65	2.73	27.5	41.3	8.2	12	13.75	97.7
K290857		1.20		0.20	6.81	17.9	2180	1.50	0.18	2.82	0.35	38.8	5.7	10	17.25	6.6
K290858		3.06		0.18	7.11	13.8	1680	1.38	0.17	1.84	0.25	37.5	6.6	11	15.80	44.9
K290859		1.34		1.26	7.34	1400	1290	1.52	1.52	1.73	2.05	47.0	6.4	12	13.95	21.4
K290860		6.02		<0.01	0.06	1.5	270	<0.05	0.04	20.6	0.06	1.21	0.6	1	0.19	2.1
K290861		1.14		0.28	6.91	84.5	2110	1.51	0.30	2.31	0.28	38.7	6.7	10	12.95	6.0
K290862		2.38		0.13	7.21	25.9	2760	1.59	0.26	3.07	0.22	45.7	8.4	12	16.55	9.4
K290863		3.30		0.14	7.33	32.2	2230	1.64	0.28	2.60	0.18	39.5	7.0	10	13.25	6.6
K290864		1.28		0.12	7.33	34.7	2320	1.56	0.39	2.41	0.19	40.4	6.8	14	13.45	10.0
K290865		1.10		0.12	7.48	15.4	2010	1.71	0.22	2.64	0.24	44.9	6.5	12	14.70	8.6
K290866		0.86		2.28	5.87	335	280	1.46	2.18	4.83	2.23	35.2	11.7	12	11.25	6.5
K290867		1.84		0.07	7.43	6.5	2390	1.67	0.40	2.72	0.16	43.6	7.2	15	10.15	4.2
K290868		2.50		0.09	7.46	6.4	2350	1.59	0.40	2.55	0.18	46.5	7.1	12	9.60	5.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290833		3.10	16.40	0.09	1.2	0.122	3.04	24.2	35.4	0.68	1670	4.88	0.03	7.8	2.7	570
K290834		5.01	14.75	0.08	1.1	0.287	3.08	22.0	14.2	0.51	2800	4.94	0.02	6.7	2.3	480
K290835		6.54	14.90	0.09	1.0	0.762	2.82	22.8	19.1	0.76	1800	8.59	0.12	6.4	11.6	530
K290836		5.80	10.65	0.07	0.7	1.240	2.07	6.2	23.5	0.33	1100	17.10	0.02	4.3	2.2	320
K290837		2.64	16.05	0.08	1.4	0.048	3.24	17.8	66.6	0.63	949	1.32	0.10	8.6	2.2	600
K290838		5.39	12.90	0.09	1.0	0.759	2.59	13.4	22.4	0.60	1800	2.21	0.02	5.7	2.6	490
K290839		3.20	15.80	0.10	1.2	0.091	3.18	24.2	16.8	0.68	2700	2.04	0.03	7.7	2.2	550
K290840		6.89	12.90	0.10	0.9	0.206	2.92	22.0	12.1	0.43	1320	2.94	0.03	5.9	2.3	450
K290841		0.47	0.24	0.05	<0.1	0.005	0.03	0.7	1.2	12.75	201	0.07	<0.01	0.2	1.2	180
K290842		2.70	15.05	0.10	1.2	0.045	2.81	30.1	28.3	0.70	857	1.36	0.62	7.6	2.1	530
K290843		3.35	15.50	0.10	1.3	0.053	2.81	21.2	18.2	0.78	623	2.27	1.44	8.1	2.2	580
K290844		2.65	15.85	0.10	1.2	0.041	2.79	18.8	26.9	0.62	560	1.20	1.80	7.7	2.6	530
K290845		3.17	16.30	0.09	1.2	0.037	2.84	18.3	22.8	0.57	568	1.24	1.46	8.3	2.4	570
K290846		3.11	16.60	0.09	1.3	0.048	2.85	18.0	116.5	0.62	682	1.20	0.53	8.6	2.4	590
K290847		3.16	16.55	0.08	1.3	0.047	2.79	21.0	116.5	0.65	688	1.24	0.58	8.5	2.5	610
K290848		3.97	15.15	0.09	1.3	0.110	2.29	18.6	181.5	0.69	902	1.57	0.04	6.3	2.9	570
K290849		2.78	16.15	0.08	1.2	0.048	2.32	18.8	149.5	0.61	618	1.21	0.04	7.3	2.5	570
K290850		2.63	15.25	0.07	1.3	0.053	2.84	20.6	41.4	0.78	1670	1.56	0.03	7.7	2.5	520
K290851		3.38	12.45	0.09	1.0	0.127	2.64	21.8	21.7	1.16	2960	1.80	0.02	5.9	2.0	400
K290852		3.00	15.30	0.09	1.2	0.071	2.80	20.7	93.3	0.98	1840	1.58	0.03	7.7	2.0	530
K290853		6.67	15.10	0.08	1.1	0.733	2.87	23.3	19.5	0.78	1850	8.77	0.12	6.4	12.0	530
K290854		4.04	14.95	0.11	1.2	0.128	3.06	24.6	46.2	0.75	2610	1.51	0.03	7.2	2.4	510
K290855		2.82	15.70	0.08	1.2	0.038	3.28	17.2	21.6	0.56	799	1.34	1.13	7.8	2.3	560
K290856		4.15	15.40	0.10	1.1	0.128	3.27	19.9	24.0	0.69	1280	3.11	0.80	7.4	2.5	540
K290857		2.73	15.85	0.09	1.3	0.036	3.28	18.8	12.2	0.68	732	1.31	1.26	8.1	2.4	550
K290858		2.73	16.55	0.09	1.3	0.057	3.03	17.8	51.6	0.57	781	1.44	0.21	8.4	2.9	590
K290859		3.38	15.55	0.09	1.3	0.064	3.23	24.2	77.0	0.60	1100	2.04	0.32	7.5	2.5	560
K290860		0.47	0.21	0.09	<0.1	<0.005	0.03	0.6	1.3	13.00	203	0.94	0.01	0.2	1.3	190
K290861		2.66	16.35	0.09	1.3	0.043	3.33	18.2	65.8	0.61	911	1.26	0.11	8.1	2.2	560
K290862		3.48	16.95	0.09	1.3	0.065	2.64	22.0	14.9	1.02	885	2.10	2.08	8.6	2.8	690
K290863		2.83	16.75	0.08	1.1	0.033	2.76	19.9	19.7	0.74	593	2.32	1.89	7.9	2.6	600
K290864		2.83	16.60	0.09	1.1	0.042	2.82	19.4	18.7	0.67	569	2.23	1.92	8.0	2.5	580
K290865		2.78	16.60	0.11	1.1	0.043	2.86	22.3	24.5	0.66	681	2.38	1.86	8.1	2.4	600
K290866		4.31	14.00	0.09	1.0	0.109	3.03	16.9	13.0	0.60	1910	1.62	0.50	6.2	2.8	490
K290867		2.85	16.05	0.10	1.0	0.043	2.57	21.8	14.4	0.77	564	1.80	2.44	7.9	2.7	590
K290868		3.00	17.00	0.11	1.1	0.044	2.72	23.4	18.5	0.78	575	2.84	2.62	8.2	2.6	600

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
K290833		458	132.5	<0.002	1.74	17.65	10.4	<1	2.1	110.0	0.62	0.15	12.80	0.242	2.83	4.0
K290834		1360	177.0	<0.002	3.60	40.4	9.1	<1	4.0	53.5	0.51	0.17	11.25	0.207	3.18	2.3
K290835		1280	152.5	<0.002	4.54	61.4	9.3	1	7.6	91.6	0.52	1.04	11.15	0.200	2.57	5.2
K290836		7300	142.5	<0.002	6.05	67.4	6.5	<1	5.5	157.5	0.34	0.18	5.20	0.131	2.31	2.0
K290837		66.7	112.5	<0.002	0.71	10.90	10.1	<1	1.8	130.5	0.73	0.13	10.95	0.249	2.19	3.7
K290838		2640	147.5	<0.002	5.27	87.8	8.9	1	2.6	99.3	0.49	0.35	8.72	0.184	2.92	3.3
K290839		265	160.0	<0.002	1.92	19.65	10.2	1	2.3	76.2	0.61	0.08	12.65	0.234	3.62	3.1
K290840		762	166.5	<0.002	6.86	20.2	8.4	1	6.9	29.7	0.46	0.53	10.50	0.180	2.25	2.4
K290841		8.9	1.8	<0.002	0.02	0.42	0.2	<1	<0.2	46.0	<0.05	<0.05	0.12	<0.005	0.02	0.9
K290842		31.0	111.0	<0.002	0.77	8.37	9.3	<1	1.7	223	0.64	0.11	12.75	0.227	1.73	3.4
K290843		34.4	107.5	<0.002	0.32	3.84	10.1	1	1.9	233	0.66	<0.05	12.75	0.239	1.57	3.7
K290844		30.6	92.9	<0.002	0.21	6.39	9.6	<1	1.5	287	0.59	0.08	11.25	0.231	1.37	3.4
K290845		65.3	103.5	<0.002	0.16	5.50	9.9	1	1.7	243	0.68	<0.05	11.00	0.242	1.41	3.6
K290846		25.0	105.0	<0.002	0.56	12.25	10.8	1	1.7	171.0	0.72	0.09	11.70	0.246	1.77	4.6
K290847		24.3	108.0	<0.002	0.56	11.75	11.1	1	1.7	175.5	0.71	0.10	12.25	0.255	1.70	4.6
K290848		126.5	102.0	<0.002	2.48	26.2	9.9	<1	2.4	194.0	0.53	0.17	10.05	0.193	1.80	4.7
K290849		55.6	93.5	<0.002	1.32	21.5	10.3	1	1.6	124.0	0.57	0.18	11.30	0.224	1.95	6.8
K290850		131.0	119.5	<0.002	1.02	17.90	9.3	1	1.8	111.5	0.64	0.07	11.50	0.222	2.86	5.4
K290851		343	159.0	<0.002	1.03	21.0	7.7	1	2.1	83.1	0.48	<0.05	10.70	0.177	2.70	3.9
K290852		96.1	116.5	<0.002	0.41	16.05	9.5	1	1.7	131.0	0.64	<0.05	11.50	0.222	2.83	4.6
K290853		1310	161.0	<0.002	4.62	61.6	9.4	1	7.7	93.7	0.52	2.02	10.95	0.207	2.72	5.3
K290854		746	168.5	<0.002	2.94	20.4	9.7	<1	3.6	106.5	0.59	0.05	12.45	0.222	2.98	5.0
K290855		27.6	116.0	<0.002	0.88	6.71	9.4	<1	1.7	278	0.62	0.08	10.25	0.239	2.14	3.9
K290856		653	140.0	<0.002	2.53	54.3	9.7	<1	2.4	233	0.60	0.20	10.85	0.218	2.28	4.3
K290857		23.8	115.5	<0.002	0.20	5.48	9.7	1	1.8	267	0.67	<0.05	10.85	0.243	2.20	4.4
K290858		17.7	109.5	<0.002	0.16	29.1	9.8	<1	1.8	126.5	0.69	<0.05	10.95	0.252	1.97	3.7
K290859		114.0	151.5	<0.002	1.71	21.1	9.6	<1	2.0	146.5	0.59	0.07	13.05	0.223	2.42	5.8
K290860		1.7	1.5	<0.002	0.01	0.12	0.2	<1	<0.2	53.7	<0.05	<0.05	0.10	<0.005	<0.02	0.6
K290861		18.6	128.5	<0.002	0.93	11.30	9.4	1	1.8	128.5	0.66	0.06	11.70	0.239	2.29	4.2
K290862		22.8	100.5	<0.002	0.33	2.19	14.6	<1	2.4	385	0.70	<0.05	10.45	0.308	1.39	4.3
K290863		20.9	111.5	<0.002	0.46	2.25	10.5	1	2.5	340	0.58	0.05	10.75	0.249	1.47	3.7
K290864		22.3	113.5	<0.002	0.40	2.32	10.6	1	2.7	345	0.60	0.14	11.05	0.249	1.47	4.1
K290865		21.7	111.5	<0.002	0.24	2.92	10.2	<1	1.8	343	0.60	<0.05	11.40	0.255	1.60	4.0
K290866		80.2	135.5	<0.002	2.95	4.71	8.6	1	2.6	177.5	0.49	0.94	9.00	0.194	2.37	4.2
K290867		21.1	97.2	<0.002	0.42	1.20	10.1	<1	1.9	399	0.62	0.10	11.15	0.253	1.26	4.2
K290868		20.7	101.5	<0.002	0.41	1.21	10.4	1	1.9	388	0.64	0.06	12.00	0.249	1.26	4.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
K290833		70	5.7	12.1	670	33.4	0.452
K290834		58	5.7	8.6	1790	30.3	0.370
K290835		62	5.8	11.0	2340	27.6	0.900
K290836		39	4.0	6.6	>10000	18.6	2.84
K290837		70	2.8	12.6	140	38.1	0.012
K290838		58	3.1	12.1	>10000	28.1	1.930
K290839		66	4.5	11.9	600	33.0	0.199
K290840		54	3.8	9.2	758	26.1	0.347
K290841		2	0.2	0.8	40	<0.5	<0.005
K290842		62	2.2	17.5	71	31.4	0.005
K290843		65	1.7	13.3	61	36.2	0.009
K290844		63	3.9	13.9	60	31.9	<0.005
K290845		65	2.3	13.4	102	33.2	<0.005
K290846		69	2.3	13.5	70	35.5	<0.005
K290847		69	2.9	14.3	72	34.4	<0.005
K290848		62	4.4	13.0	163	33.6	0.093
K290849		68	5.5	13.3	75	33.5	0.011
K290850		61	5.2	12.6	263	33.1	0.045
K290851		50	3.8	11.6	672	26.9	0.084
K290852		63	4.5	13.6	174	32.4	0.014
K290853		64	6.2	11.0	2420	27.4	0.924
K290854		63	4.7	12.0	883	31.4	0.179
K290855		67	1.1	12.7	64	30.9	0.033
K290856		62	1.7	13.7	2210	30.1	0.421
K290857		67	1.2	14.5	64	33.6	0.009
K290858		67	3.7	13.1	62	34.5	<0.005
K290859		64	3.3	13.6	173	35.4	0.224
K290860		2	0.2	0.8	16	<0.5	<0.005
K290861		68	3.4	13.4	53	34.1	0.048
K290862		107	4.5	17.9	69	32.4	0.006
K290863		69	1.9	13.5	52	29.8	0.012
K290864		70	2.0	13.4	52	29.1	0.014
K290865		69	1.9	14.5	51	28.3	<0.005
K290866		58	2.6	11.7	182	25.8	1.035
K290867		69	1.1	15.3	51	27.8	<0.005
K290868		69	1.3	16.2	50	29.0	<0.005

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117092

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117093

Project: Klaza

P.O. No.: Trench Batch 4

This report is for 30 Rock samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

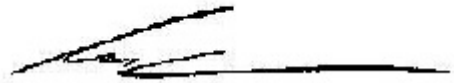
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117093

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R610777		2.78	0.37	8.25	14.0	1650	1.67	1.40	2.22	0.29	54.3	13.1	18	20.1	63.9	4.35
R610778		2.84	0.97	8.29	52.7	1440	1.75	3.01	1.75	0.23	46.3	18.7	18	17.00	180.5	4.63
R610779		4.12	0.58	7.53	42.2	1580	1.57	4.63	1.64	0.54	53.5	11.8	23	15.90	126.0	3.89
R610780		1.68	4.70	5.85	279	460	0.98	37.6	4.86	0.36	50.8	16.8	17	8.28	139.5	8.85
R610781		4.68	0.27	7.82	22.5	1720	1.63	1.56	2.73	0.25	45.0	11.5	25	17.35	64.0	3.84
R610782		5.34	0.22	8.35	26.6	1730	1.57	0.95	0.96	0.37	45.7	11.4	27	16.45	72.1	3.82
R610783		3.00	0.41	7.78	12.8	1740	1.48	0.53	1.64	0.38	47.5	11.3	24	15.15	481	4.05
R610784		4.06	25.5	7.15	194.5	1050	1.39	49.4	0.35	1.24	59.3	8.8	24	10.05	2520	6.65
R610785		7.00	1.46	8.49	38.7	1670	1.51	11.05	0.95	0.49	54.5	13.9	26	9.17	317	4.22
R610786		5.20	0.51	8.12	34.6	1470	1.56	7.26	1.37	0.40	52.0	13.2	13	14.25	92.2	4.75
R610787		4.16	0.45	8.20	66.5	1590	1.56	6.89	1.54	0.69	50.1	11.2	11	9.24	129.0	4.27
R610788		8.08	1.03	8.07	122.5	1560	1.65	48.0	0.97	0.60	69.1	13.1	16	8.26	143.0	4.20
R610789		5.10	0.65	8.14	45.9	1850	1.49	6.54	1.13	0.78	50.2	10.4	14	8.48	123.0	4.19
R610790		6.44	1.83	8.13	39.5	1400	1.35	10.55	0.95	0.83	49.9	10.4	11	7.94	238	4.27
R610791		5.94	0.47	8.03	24.9	1400	1.41	9.27	1.32	0.42	46.3	10.3	11	9.06	102.5	4.35
R610792		6.24	1.10	8.09	66.6	1500	1.43	10.45	1.65	0.41	45.8	10.5	11	8.38	247	3.98
R610793		2.98	3.71	8.04	58.3	1270	1.46	41.0	0.34	0.30	47.9	7.2	9	7.52	917	4.28
R610794		0.34	37.9	5.69	2620	110	1.14	35.5	1.69	45.3	34.0	16.1	24	9.14	1220	9.15
R610795		3.46	5.50	8.30	38.0	1420	1.42	113.0	0.21	0.44	52.9	10.2	11	7.65	1120	4.57
R610796		5.00	0.54	8.41	40.8	1090	1.50	11.20	0.42	0.96	50.6	9.5	10	8.71	80.1	4.63
R610797		3.50	3.34	8.17	48.5	1320	1.49	91.8	0.35	0.78	52.2	8.5	13	7.66	210	3.64
R610798		3.44	4.06	7.81	49.6	2060	1.73	131.5	0.51	1.00	89.6	7.0	17	10.90	332	3.57
R610799		3.38	0.49	7.91	44.3	1430	1.51	8.42	1.63	0.47	46.9	12.0	13	11.95	84.6	3.95
R610800		6.02	1.02	8.51	82.8	1040	1.40	8.99	0.75	1.63	45.9	10.1	14	8.02	186.5	4.39
S047951		6.30	0.02	0.06	<0.2	40	<0.05	0.42	20.7	0.08	1.20	0.6	1	0.12	3.2	0.47
S047952		2.70	1.72	8.10	64.2	990	1.62	15.25	0.69	1.35	45.4	7.1	15	9.13	256	4.43
S047953		3.72	1.18	7.62	61.4	940	1.28	8.12	0.69	0.63	46.2	4.8	14	9.28	108.0	4.14
S047954		2.68	1.64	8.05	73.3	880	1.57	12.45	0.32	0.15	56.8	4.7	12	9.86	101.5	4.22
S047955		2.92	3.37	6.94	142.0	560	1.09	38.4	0.28	0.39	55.4	3.1	12	6.98	133.5	5.94
S047956		2.76	2.16	7.53	165.0	960	1.20	16.45	0.68	1.06	49.0	5.3	18	8.47	176.5	6.19

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117093

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R610777		22.1	0.19	0.6	0.105	2.50	24.4	26.9	1.42	922	2.98	2.44	8.9	9.9	990	22.7
R610778		23.0	0.15	0.5	0.357	2.19	19.4	21.2	1.17	828	3.18	1.87	8.2	7.6	1050	15.6
R610779		19.75	0.17	0.5	0.200	2.31	24.7	13.7	0.71	785	3.38	2.08	7.8	7.7	870	21.8
R610780		16.70	0.12	0.4	0.200	1.06	28.0	29.0	1.62	1420	6.91	0.09	5.9	7.1	680	25.1
R610781		20.1	0.14	0.5	0.163	2.40	20.4	13.1	1.00	738	3.04	2.31	8.2	7.3	950	17.3
R610782		22.1	0.15	0.6	0.181	2.39	19.4	24.2	0.79	506	2.79	1.19	8.8	8.1	1030	16.7
R610783		19.50	0.13	0.5	0.091	2.30	19.0	16.6	0.95	855	2.48	2.06	7.9	7.4	930	20.3
R610784		22.7	0.19	0.5	1.835	2.82	35.0	18.7	0.87	637	6.53	0.27	6.8	5.1	800	98.2
R610785		21.3	0.17	0.6	0.237	2.53	27.3	23.0	0.95	677	4.02	0.93	8.0	8.3	980	19.1
R610786		21.4	0.15	0.7	0.153	2.06	24.4	17.2	0.85	755	4.18	1.93	7.7	4.4	910	20.2
R610787		21.1	0.15	0.7	0.232	2.30	23.7	20.4	1.07	609	3.23	2.13	7.3	3.4	870	21.8
R610788		21.7	0.16	1.8	0.143	2.27	34.8	23.8	0.55	588	3.10	1.03	6.4	5.8	1130	30.5
R610789		21.3	0.16	0.7	0.259	2.21	24.8	20.4	0.66	655	2.85	1.35	7.2	4.1	840	19.2
R610790		20.7	0.14	0.6	0.266	2.11	24.4	21.5	0.73	586	2.83	1.24	7.0	3.3	850	22.8
R610791		20.8	0.15	0.6	0.158	2.20	23.2	18.7	0.93	491	2.62	1.66	7.0	2.6	810	17.6
R610792		21.6	0.14	0.6	0.219	2.13	22.6	19.6	0.98	495	2.70	1.96	7.3	3.0	820	16.0
R610793		22.2	0.15	0.5	0.207	2.56	25.7	23.5	0.75	254	3.78	0.74	5.0	1.8	740	31.1
R610794		14.55	0.14	0.8	1.465	2.61	16.3	15.8	0.68	2280	17.30	0.06	4.7	13.9	460	1675
R610795		25.3	0.17	0.5	0.192	3.29	28.8	24.5	0.48	418	4.30	0.18	4.3	2.4	790	77.0
R610796		21.3	0.15	0.6	0.144	2.12	24.3	31.9	0.36	320	5.16	0.52	6.2	3.6	940	15.3
R610797		23.2	0.13	1.7	0.184	2.47	25.3	19.5	0.30	339	4.93	0.50	6.3	4.4	1130	88.0
R610798		23.2	0.18	3.4	0.255	3.31	50.4	18.7	0.52	521	4.87	0.42	6.1	5.4	1250	108.0
R610799		20.3	0.14	0.8	0.138	2.05	22.1	19.4	0.91	631	3.33	2.11	7.2	4.1	810	18.5
R610800		21.6	0.15	0.8	0.247	1.76	20.6	22.9	0.72	474	7.43	1.06	7.5	4.4	940	24.8
S047951		0.21	0.13	<0.1	<0.005	0.02	0.6	0.9	12.70	198	0.14	0.01	0.1	1.3	170	1.5
S047952		22.2	0.14	1.0	0.261	2.01	22.0	22.3	1.07	330	4.22	1.23	7.0	4.8	960	57.7
S047953		19.15	0.18	0.9	0.141	2.41	23.1	15.4	0.72	251	2.51	0.85	5.0	3.5	710	82.2
S047954		22.7	0.16	0.8	0.077	2.66	28.0	17.6	0.56	101	3.35	0.41	2.9	1.3	580	22.3
S047955		29.0	0.14	0.7	0.090	2.58	28.6	20.9	1.42	86	6.29	0.14	2.7	1.2	620	34.4
S047956		22.4	0.16	1.2	0.184	2.25	25.0	20.3	1.00	304	4.49	0.70	5.5	5.0	750	159.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117093

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R610777		101.0	<0.002	0.03	3.42	14.7	1	2.0	565	0.60	0.11	8.26	0.415	1.96	2.0	123
R610778		95.0	<0.002	0.17	10.35	15.5	1	4.3	418	0.53	0.17	6.96	0.414	2.44	2.2	134
R610779		113.0	<0.002	0.06	6.36	12.8	1	3.4	430	0.54	0.20	9.44	0.339	2.14	2.7	103
R610780		66.1	<0.002	2.92	23.4	10.8	1	3.2	121.5	0.42	3.41	7.95	0.257	1.41	3.3	91
R610781		89.8	<0.002	0.32	5.95	12.7	1	2.9	574	0.58	0.09	7.98	0.375	2.09	2.3	111
R610782		94.3	<0.002	0.01	7.62	14.4	1	2.7	298	0.58	0.05	8.35	0.403	2.14	2.3	119
R610783		89.6	<0.002	0.02	3.18	13.3	<1	1.8	478	0.56	0.05	8.50	0.364	1.54	1.9	110
R610784		186.0	<0.002	1.37	7.31	12.5	1	9.1	60.3	0.46	1.25	8.71	0.301	3.16	3.0	96
R610785		126.0	<0.002	0.18	10.25	14.1	1	5.8	246	0.56	1.50	9.34	0.377	2.27	2.7	118
R610786		91.3	<0.002	0.07	8.44	13.7	1	3.4	392	0.53	0.71	7.72	0.387	1.99	2.7	104
R610787		102.5	<0.002	0.21	8.91	13.0	1	3.7	410	0.54	0.44	7.76	0.372	2.53	2.5	103
R610788		122.0	<0.002	0.25	15.15	10.5	1	3.4	232	0.45	3.22	8.73	0.290	2.48	2.7	90
R610789		104.0	<0.002	0.15	21.8	13.1	1	3.7	293	0.51	0.58	8.10	0.350	2.08	2.5	107
R610790		97.2	<0.002	0.11	22.0	12.8	1	4.2	263	0.51	0.75	8.60	0.354	1.90	2.6	105
R610791		108.0	<0.002	0.16	7.70	12.6	2	4.0	347	0.51	1.18	7.97	0.347	2.14	2.5	103
R610792		97.9	<0.002	0.18	5.79	12.8	1	4.1	413	0.53	1.00	7.65	0.358	1.90	2.5	104
R610793		150.5	<0.002	0.10	61.7	12.5	2	7.2	144.0	0.34	4.61	7.73	0.259	2.76	2.4	99
R610794		140.0	0.002	7.96	108.5	8.1	1	10.6	60.4	0.39	0.76	8.41	0.164	2.24	5.2	57
R610795		190.0	<0.002	0.18	38.2	12.4	2	9.7	39.4	0.30	7.04	8.13	0.225	3.41	2.3	99
R610796		114.0	<0.002	0.09	10.45	12.8	2	10.0	120.0	0.45	0.58	9.03	0.305	2.20	2.8	102
R610797		133.0	<0.002	0.13	20.8	10.4	2	9.0	107.0	0.44	2.42	8.71	0.284	2.74	3.0	91
R610798		207	<0.002	0.05	18.20	7.7	2	6.6	86.4	0.38	14.30	9.94	0.208	3.89	3.4	65
R610799		85.3	<0.002	0.10	6.40	12.6	1	3.2	411	0.53	0.55	7.89	0.352	1.92	2.2	103
R610800		90.6	<0.002	0.09	15.55	12.8	1	5.2	223	0.52	0.56	7.49	0.375	2.47	3.0	104
S047951		1.0	<0.002	<0.01	0.11	0.2	<1	<0.2	46.1	<0.05	<0.05	0.07	<0.005	0.02	0.5	1
S047952		114.5	<0.002	0.20	5.61	12.3	1	7.0	239	0.48	2.28	7.17	0.337	2.76	2.8	101
S047953		132.5	<0.002	0.62	6.86	11.6	2	11.2	230	0.36	1.20	7.65	0.248	2.50	2.1	92
S047954		170.5	<0.002	0.96	3.63	11.0	2	10.2	155.0	0.21	2.70	7.29	0.168	3.50	1.4	91
S047955		178.0	<0.002	0.95	4.93	10.1	2	9.2	80.8	0.17	4.26	6.12	0.164	3.38	1.4	91
S047956		130.0	<0.002	0.46	10.00	12.2	1	3.7	230	0.41	1.82	8.73	0.256	2.22	2.9	100

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117093

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
R610777		4.1	16.4	96	13.8	0.017
R610778		4.4	15.9	73	11.5	0.055
R610779		2.9	18.4	75	10.7	0.029
R610780		4.4	24.4	63	7.6	0.176
R610781		2.4	15.8	67	10.1	0.015
R610782		5.6	14.9	71	10.7	0.007
R610783		4.8	14.5	92	10.4	0.022
R610784		12.7	22.5	165	10.3	3.88
R610785		4.6	20.3	73	10.6	0.026
R610786		2.7	21.4	74	15.6	0.012
R610787		3.1	18.6	93	15.7	0.021
R610788		3.6	16.9	86	67.7	0.043
R610789		3.3	19.0	165	15.8	0.039
R610790		6.1	18.3	127	12.8	0.105
R610791		1.7	17.8	69	12.0	0.031
R610792		1.8	18.1	92	12.4	0.041
R610793		2.4	16.2	57	10.7	0.111
R610794		7.5	8.1	3410	22.3	1.705
R610795		3.3	17.7	51	10.7	0.070
R610796		1.7	18.7	245	13.8	0.013
R610797		3.3	17.6	104	65.6	0.040
R610798		2.7	23.1	144	148.0	0.047
R610799		2.6	18.6	79	19.7	0.016
R610800		4.8	18.5	132	18.3	0.053
S047951		0.1	0.8	16	0.5	0.007
S047952		3.9	13.6	163	24.4	0.052
S047953		2.7	9.3	150	26.4	0.047
S047954		3.4	7.4	46	17.5	0.076
S047955		2.4	6.6	49	17.3	0.197
S047956		2.6	9.7	311	41.0	0.124

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 10-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117093

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-22
LOG-23	ME-MS61	PUL-31	PUL-QC
SPL-21	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117095

Project: Klaza

P.O. No.: Trench Batch #5

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

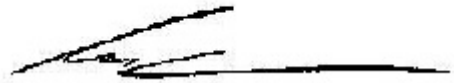
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117095

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
K291237		2.52			0.34	2.51	90.5	400	1.19	0.28	13.60	0.71	16.25	8.9	12	9.06
K291238		9.40			0.83	7.79	48.9	1440	1.08	0.47	0.84	0.30	49.6	21.1	13	7.34
K291239		7.30			0.37	8.54	46.1	3260	1.29	0.63	0.34	0.29	45.4	15.1	14	8.92
K291240		8.54			0.31	8.95	36.2	1790	1.44	1.13	0.22	0.38	52.3	19.9	20	9.13
K291241		10.54			0.27	8.81	30.8	1290	1.45	0.52	0.11	0.29	45.0	18.9	18	8.28
K291242		2.28			0.24	8.77	37.2	2100	1.44	0.38	0.13	0.22	39.8	14.0	18	9.24
K291243		3.16			0.43	5.51	28.6	910	1.13	0.54	0.04	0.11	16.60	9.0	17	8.46
K291244		2.28			0.66	8.20	142.5	1310	1.52	0.92	0.06	0.23	36.9	15.1	18	8.80
K291245		6.06			0.02	0.10	1.1	60	0.06	0.04	20.9	0.07	1.33	1.0	4	0.21
K291246		9.66			0.37	8.30	69.8	1560	1.31	0.60	0.14	0.22	43.3	13.4	19	7.92
K291247		9.42			0.44	8.29	77.7	1110	1.17	0.78	0.06	0.13	21.5	8.5	14	8.11
K291248		9.18			0.30	8.30	37.7	1500	1.16	0.97	0.20	0.12	24.0	7.9	20	7.59
K291250		0.34	118	1.640	>100	5.16	8150	140	1.21	62.3	1.97	226	27.1	9.5	22	11.50

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CERTIFICATE OF ANALYSIS VA16117095

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K291237		49.7	5.50	5.79	0.06	0.4	0.042	0.80	8.8	25.4	4.57	2740	1.06	0.04	1.7	10.7
K291238		147.5	4.09	15.80	0.10	0.5	0.025	1.93	26.9	25.5	0.52	318	9.42	0.19	2.8	6.3
K291239		194.0	4.11	17.85	0.13	0.4	0.027	1.91	25.6	31.1	0.34	211	8.08	0.87	3.6	5.7
K291240		155.5	3.84	17.70	0.10	0.5	0.058	1.61	27.1	40.3	0.22	348	17.00	0.18	6.6	7.1
K291241		168.5	3.69	17.85	0.11	0.5	0.044	1.43	23.8	39.2	0.15	201	4.16	0.04	6.6	6.3
K291242		151.0	3.79	17.50	0.11	0.6	0.030	1.29	22.0	39.9	0.14	134	2.58	0.04	6.8	6.0
K291243		50.0	2.66	12.65	0.11	0.3	0.098	2.54	9.9	38.3	0.32	71	11.75	0.07	1.9	3.1
K291244		250	6.77	18.60	0.11	0.4	0.096	3.58	21.4	20.6	0.41	116	9.39	0.08	1.7	5.7
K291245		8.0	0.49	0.33	0.18	<0.1	0.008	0.03	0.6	1.1	12.85	202	0.05	0.01	0.2	1.5
K291246		184.0	4.80	16.80	0.13	0.5	0.036	2.25	24.1	37.1	0.28	135	12.65	0.09	3.6	5.8
K291247		134.0	4.16	18.80	0.13	0.5	0.040	3.10	10.9	29.4	0.37	112	27.0	0.08	2.1	3.4
K291248		95.4	5.12	18.15	0.09	0.5	0.043	2.95	12.6	22.2	0.42	92	22.6	0.35	2.1	3.3
K291250		1290	8.06	12.85	0.08	1.1	4.72	2.29	12.3	30.7	0.62	3090	15.20	0.08	5.5	14.5

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CERTIFICATE OF ANALYSIS VA16117095

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
K291237		320	28.0	45.8	<0.002	0.45	12.85	6.7	1	0.5	283	0.10	0.05	1.81	0.132	0.79
K291238		540	191.5	103.5	0.002	1.73	21.9	10.7	2	1.7	95.5	0.24	0.08	14.90	0.135	1.45
K291239		610	39.5	114.5	<0.002	0.10	12.35	12.7	1	1.8	225	0.33	0.10	14.40	0.184	1.59
K291240		610	65.8	87.4	<0.002	0.06	27.1	13.7	1	1.6	91.1	0.56	0.06	14.80	0.263	1.16
K291241		560	18.7	79.3	<0.002	0.05	22.7	12.9	1	1.6	61.7	0.59	0.08	14.50	0.247	1.19
K291242		600	24.7	74.6	<0.002	0.10	21.1	12.7	1	1.5	107.0	0.57	0.08	16.10	0.261	1.24
K291243		220	46.7	169.5	<0.002	0.50	35.1	7.4	2	5.7	43.0	0.17	0.15	5.58	0.100	2.04
K291244		710	24.5	208	<0.002	0.08	51.3	12.6	3	5.5	41.7	0.15	0.34	15.95	0.123	2.58
K291245		150	1.6	1.3	<0.002	<0.01	0.20	0.2	<1	<0.2	49.6	<0.05	<0.05	0.16	0.005	<0.02
K291246		580	30.0	126.5	<0.002	0.09	29.6	12.4	1	2.6	82.9	0.30	0.13	14.00	0.172	1.86
K291247		450	29.0	181.0	0.002	0.09	34.5	13.1	2	4.1	37.8	0.19	0.16	9.96	0.130	2.34
K291248		620	22.4	169.5	<0.002	0.09	11.95	12.2	3	3.2	71.6	0.18	0.23	12.15	0.118	2.25
K291250		450	9710	127.5	0.002	7.14	222	7.5	1	8.8	119.5	0.45	0.46	7.56	0.178	2.31

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117095

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
K291237		3.4	63	2.3	14.1	83	11.2	0.029
K291238		2.3	84	2.3	11.5	36	12.6	0.044
K291239		2.7	95	1.6	11.0	51	10.2	0.029
K291240		2.7	99	5.4	14.0	83	11.1	0.021
K291241		3.0	94	6.8	12.4	54	10.7	0.023
K291242		3.7	96	4.4	12.8	53	10.8	0.022
K291243		1.3	69	4.5	2.7	24	8.4	0.037
K291244		3.6	102	3.8	7.6	56	8.9	0.058
K291245		0.6	2	0.1	0.9	18	0.5	<0.005
K291246		3.0	96	3.2	9.3	53	9.9	0.050
K291247		1.7	113	3.1	4.9	38	9.4	0.039
K291248		1.3	100	2.9	4.7	29	11.0	0.036
K291250		5.0	53	4.8	8.4	>10000	32.8	4.44

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117095

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-QC	SPL-21	WEI-21
Zn-OG62			

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16117096

Project: Klaza

P.O. No.: Trench Batch #6

This report is for 10 Rock samples submitted to our lab in Whitehorse, YT, Canada on 20-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117096

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Pb-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Pb	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
S047957		2.48					1.59	5.29	2930	370	1.14	0.80	0.17	2.48	37.4	8.9
S047958		2.74					0.84	8.04	1795	420	1.82	0.72	0.21	1.58	50.1	10.9
S047959		2.54					0.87	3.51	8310	220	1.35	0.95	0.45	1.70	39.9	10.3
S047960		6.00					0.03	0.09	14.0	20	0.22	0.02	21.3	0.09	1.35	0.8
S047961		1.80					0.27	6.28	2250	170	1.80	0.42	0.61	0.46	71.0	15.7
S047962		1.76					1.45	7.52	359	350	1.23	1.08	0.18	1.06	43.6	8.2
S047963		1.66				2.17	1.22	2.80	>10000	920	0.72	0.88	0.51	3.88	27.0	11.5
S047964		1.20	10.80	179	5.12		>100	0.98	295	40	0.24	0.50	0.05	4.49	8.92	0.7
S047965		0.34					39.1	5.72	2530	620	1.27	33.0	1.67	46.2	35.6	16.5
S047966		1.28					46.8	2.84	352	100	0.44	116.5	0.13	25.2	16.90	1.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
S047957		25	20.7	9.2	3.42	13.65	0.08	0.4	0.103	2.09	19.7	59.9	0.23	3400	22.4	0.03
S047958		32	14.70	15.1	3.12	19.25	0.10	0.6	0.152	2.52	26.5	60.6	0.30	2510	6.68	0.03
S047959		57	16.85	6.4	3.39	9.87	0.08	1.3	0.126	1.22	22.2	75.9	0.21	4270	12.35	0.03
S047960		4	0.24	2.0	0.49	0.28	0.17	<0.1	0.008	0.03	0.6	1.1	13.15	224	0.20	0.02
S047961		95	8.73	3.0	2.61	14.85	0.15	4.8	0.082	1.04	37.8	66.3	0.24	1750	8.05	0.02
S047962		27	14.90	6.2	2.76	17.55	0.12	0.6	0.117	1.70	24.5	63.5	0.25	774	6.96	0.05
S047963		24	13.50	9.8	2.42	6.73	0.08	0.4	0.069	0.75	16.6	61.5	0.21	4790	28.7	0.04
S047964		23	1.05	138.5	2.14	2.83	0.09	0.1	1.365	0.09	5.4	15.8	0.04	196	4.85	0.02
S047965		25	9.96	1170	8.95	13.70	0.10	0.8	1.580	2.60	18.4	16.6	0.67	2260	17.25	0.06
S047966		13	3.44	92.0	7.42	10.00	0.05	0.3	10.80	0.35	9.6	23.2	0.13	223	2.57	0.02

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
S047957		4.8	4.8	370	151.5	113.0	<0.002	1.09	88.6	12.0	1	1.1	33.5	0.33	0.18	5.36
S047958		7.1	6.8	660	74.4	140.5	<0.002	0.52	35.0	15.2	1	1.6	48.0	0.49	0.22	8.56
S047959		6.5	26.0	840	90.0	63.9	<0.002	1.08	100.5	8.4	<1	1.9	61.4	0.37	0.21	4.53
S047960		0.2	1.3	190	3.0	1.3	<0.002	0.01	0.30	0.2	<1	<0.2	50.6	<0.05	<0.05	0.10
S047961		14.0	41.2	2150	36.3	53.5	<0.002	0.88	41.3	7.7	<1	2.8	179.0	0.81	0.13	8.80
S047962		7.3	5.6	540	60.9	101.0	<0.002	0.51	26.9	11.2	<1	2.0	56.2	0.51	0.75	7.47
S047963		2.7	7.5	230	140.0	44.1	<0.002	0.76	231	6.2	<1	1.2	111.0	0.18	0.15	3.06
S047964		0.3	1.5	120	>10000	4.5	<0.002	0.47	171.5	0.6	<1	1.5	9.4	<0.05	0.08	1.25
S047965		4.6	14.7	440	1660	153.0	0.002	7.86	106.0	8.6	1	10.9	62.6	0.37	0.69	9.44
S047966		3.0	1.1	290	2010	18.4	<0.002	0.26	68.3	3.8	1	2.0	19.0	0.22	3.40	4.03

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16117096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047957		0.247	4.10	3.6	88	5.0	16.0	209	6.1	0.156
S047958		0.369	3.62	3.6	120	14.0	21.9	133	10.5	0.147
S047959		0.217	4.67	4.3	60	3.5	24.1	201	43.5	0.094
S047960		<0.005	0.03	0.5	2	0.1	0.9	19	<0.5	<0.005
S047961		0.376	1.99	5.3	81	6.9	12.6	156	186.5	0.028
S047962		0.383	2.20	2.5	113	12.0	13.5	130	12.4	0.145
S047963		0.134	13.25	8.6	45	3.0	13.0	410	10.5	0.224
S047964		0.019	0.16	0.5	6	0.7	1.9	521	3.6	>10.0
S047965		0.155	2.46	5.3	56	7.1	9.4	3280	21.6	1.580
S047966		0.118	0.40	1.0	39	2.4	4.2	2370	8.7	1.700

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16117096

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
CRU-31	CRU-QC	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-31
PUL-QC	SPL-21	WEI-21	

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2016
Account: ROCKHA

CERTIFICATE VA16118735

Project: Klaza

P.O. No.: Batch 45

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

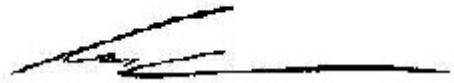
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118735

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047281		12.84	0.64	7.10	4.9	1770	1.39	0.90	2.28	1.07	43.2	9.7	41	5.09	319	4.08
S047282		12.82	0.81	7.22	6.5	1010	1.47	0.79	2.54	0.54	42.9	13.6	20	7.76	532	4.82
S047283		12.04	1.07	7.20	10.9	630	1.38	1.76	2.24	1.16	43.4	14.1	17	7.00	552	4.81
S047284		11.70	0.82	7.48	10.9	1440	1.39	0.81	2.68	0.35	49.2	14.1	18	6.82	605	4.57
S047285		11.34	0.76	7.50	14.7	2230	1.48	1.00	3.09	0.56	54.6	12.0	18	7.01	531	4.64
S047286		5.86	0.86	7.61	12.7	1930	1.39	1.15	2.85	0.55	54.1	13.9	17	6.95	614	4.88
S047287		12.40	1.15	6.99	19.2	620	1.41	1.45	2.87	0.48	42.0	12.9	16	8.54	716	5.23
S047288		11.92	0.62	7.25	15.4	2060	1.50	0.89	3.52	0.39	45.7	12.8	17	10.40	490	4.50
S047289		12.14	0.59	7.50	6.0	1870	1.49	0.55	2.96	0.20	45.1	12.8	17	10.45	513	4.14
S047290		12.08	0.73	6.92	3.9	1110	1.37	0.51	2.39	0.29	43.3	14.2	16	7.18	656	4.77
S047291		12.40	0.70	7.25	8.4	720	1.30	2.29	2.99	0.18	45.9	12.4	16	6.50	413	5.01
S047292		11.10	0.28	6.81	45.3	1230	1.59	0.96	3.44	0.25	66.2	8.0	23	4.87	77.9	2.73
S047293		0.34	4.66	6.90	738	420	1.45	3.21	2.14	11.30	55.1	12.5	26	13.40	322	5.11
S047294		11.62	0.30	7.16	34.4	1350	1.66	0.94	3.58	0.22	69.7	8.1	22	5.16	145.0	2.78
S047295		7.76	1.16	7.03	11.2	960	1.57	1.16	3.74	0.17	32.7	8.6	16	9.58	548	3.64
S047296		11.80	0.69	7.20	12.6	1230	1.53	1.35	2.83	0.21	36.8	12.8	16	7.66	456	4.56
S047297		8.64	0.52	7.50	6.6	1120	1.57	0.64	2.80	0.25	31.7	8.8	17	6.09	427	3.33
S047298		12.06	0.84	7.42	13.0	1450	1.45	0.86	2.65	0.28	38.9	11.9	17	5.50	497	4.14
S047299		6.08	0.01	0.08	<0.2	80	0.05	0.03	20.7	0.09	1.29	0.7	1	0.28	3.6	0.46
S047300		11.90	0.55	7.96	12.6	1940	1.47	0.46	2.97	0.16	47.9	13.3	19	5.48	437	4.49
S047301		5.12	0.45	7.70	18.2	1640	1.57	0.35	2.95	0.15	38.9	12.9	21	6.19	400	4.02
S047302		<0.02	0.48	7.85	20.2	1590	1.51	0.33	2.96	0.13	40.6	12.2	22	6.39	396	3.95
S047303		8.12	0.28	7.46	26.0	1490	1.83	0.83	3.03	0.13	63.0	7.3	17	5.05	42.1	2.39
S047304		6.64	0.66	8.54	30.8	1380	1.75	0.61	2.74	0.17	56.4	10.0	24	6.37	422	3.36
S047305		5.24	0.70	7.86	4.7	1630	1.81	0.56	2.74	0.15	47.7	8.7	31	7.61	646	2.65
S047306		5.18	0.61	6.58	27.4	1340	1.28	0.34	3.92	1.02	41.8	7.2	34	13.80	366	2.13
S047307		8.40	0.40	7.88	5.1	1580	1.49	0.26	2.18	0.18	45.9	7.0	40	6.27	380	2.06
S047308		0.34	11.15	6.52	1575	540	1.35	11.30	1.86	31.7	49.7	16.7	19	12.80	282	6.37
S047309		9.82	0.38	7.21	7.7	1510	1.47	0.29	3.02	0.17	40.6	11.3	18	15.40	415	3.41
S047310		12.48	1.65	6.69	6.3	100	1.37	0.74	2.61	0.40	42.5	21.2	14	6.61	1680	6.23
S047311		5.12	0.01	0.07	0.3	30	0.07	0.03	20.0	0.08	1.34	0.9	1	0.19	4.7	0.49
S047312		11.34	0.60	7.09	4.6	1550	1.45	0.52	2.34	0.21	40.0	14.0	17	5.18	620	4.09
S047313		12.04	0.54	7.29	4.2	1580	1.51	0.37	2.62	0.14	44.1	12.5	18	6.32	658	3.68
S047314		12.08	0.90	7.15	7.4	830	1.51	1.06	2.72	0.19	48.6	14.0	15	12.30	784	4.17
S047315		11.66	0.77	7.32	3.2	1480	1.46	0.57	2.69	0.19	46.1	16.9	18	7.26	1010	4.69
S047316		12.50	1.13	6.79	17.5	1270	1.29	0.73	3.60	0.40	40.4	16.6	18	8.52	953	4.60

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118735

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047281		17.05	0.15	0.8	0.108	3.05	20.6	12.7	1.48	365	4.63	1.75	8.4	15.5	910	52.2
S047282		16.30	0.17	0.5	0.124	2.90	20.7	16.4	1.63	381	14.50	1.30	7.8	10.6	1150	29.7
S047283		16.95	0.19	0.5	0.161	3.21	20.8	16.8	1.71	301	25.5	1.32	7.6	9.4	1090	56.0
S047284		17.05	0.21	0.5	0.126	3.00	23.2	15.3	1.74	378	18.10	1.64	7.7	8.7	1230	16.4
S047285		17.95	0.18	0.6	0.127	2.84	25.6	15.6	1.78	481	17.25	1.62	7.9	8.4	1170	17.9
S047286		18.50	0.19	0.5	0.144	2.91	25.8	16.1	1.81	453	17.95	1.60	8.1	8.9	1210	20.8
S047287		17.35	0.21	0.6	0.148	2.78	19.5	20.0	1.73	448	27.2	1.38	7.6	8.7	1160	49.5
S047288		17.10	0.25	0.6	0.092	2.80	21.4	14.9	1.69	522	22.5	1.57	8.0	7.8	1190	14.8
S047289		16.85	0.24	0.5	0.088	2.84	22.3	17.1	1.70	352	17.70	1.61	8.2	8.5	1170	14.8
S047290		16.35	0.24	0.5	0.077	3.02	20.2	15.6	1.65	260	34.8	1.60	7.8	9.7	1190	17.2
S047291		17.35	0.24	0.5	0.092	3.01	21.6	17.7	1.33	442	21.4	1.24	7.3	9.0	1160	15.2
S047292		18.15	0.26	4.1	0.185	2.35	32.6	22.2	1.14	1380	2.61	1.58	10.8	8.5	1540	24.7
S047293		16.10	0.22	1.2	0.316	3.01	30.6	27.2	0.80	1920	15.80	0.15	6.7	15.0	520	498
S047294		18.40	0.26	3.4	0.174	2.24	33.6	26.1	1.13	1220	3.80	1.42	10.4	8.2	1470	27.8
S047295		15.65	0.23	0.5	0.090	2.75	15.8	15.3	1.55	568	39.2	1.28	7.0	7.4	1130	34.4
S047296		16.85	0.23	0.5	0.083	2.57	17.2	15.7	1.76	297	32.3	1.59	7.7	7.9	1240	23.2
S047297		16.45	0.24	0.4	0.053	2.50	15.7	15.0	1.84	300	16.75	1.88	7.5	7.4	1190	22.5
S047298		17.25	0.23	0.5	0.077	2.95	18.8	15.5	1.65	398	30.6	1.91	8.0	7.5	1140	36.7
S047299		0.24	0.15	<0.1	0.005	0.03	0.6	1.1	12.90	196	0.57	0.01	0.2	1.3	180	1.2
S047300		17.30	0.22	0.6	0.068	2.70	22.7	15.7	1.95	365	25.3	1.87	8.3	8.4	1280	13.3
S047301		19.10	0.22	0.6	0.064	2.32	17.9	19.1	1.84	359	23.8	2.01	8.2	8.8	1160	14.3
S047302		18.95	0.23	0.5	0.060	2.29	19.2	19.6	1.85	371	26.2	1.99	7.9	8.1	1160	15.1
S047303		19.20	0.24	4.2	0.044	2.96	32.1	14.0	0.62	608	6.39	2.18	11.5	6.3	1080	26.6
S047304		17.60	0.25	0.7	0.060	3.02	28.8	22.5	1.41	439	38.5	1.72	7.8	7.2	830	22.4
S047305		17.80	0.23	0.9	0.062	3.06	23.9	15.1	1.09	242	43.4	1.79	7.5	8.4	590	16.3
S047306		15.45	0.26	1.2	0.053	3.94	19.8	9.3	0.58	997	30.0	0.70	7.1	8.2	370	72.9
S047307		17.00	0.29	1.0	0.033	4.33	21.4	12.6	1.02	218	57.0	1.99	8.5	9.5	390	16.2
S047308		14.75	0.24	1.2	0.782	2.83	25.4	19.9	0.76	1750	8.92	0.12	6.4	11.8	510	1300
S047309		16.80	0.25	0.4	0.037	2.66	19.5	18.2	1.69	254	11.55	1.42	8.1	8.4	1010	11.6
S047310		15.35	0.23	0.4	0.136	3.20	19.7	15.1	1.51	291	29.1	1.27	6.5	9.5	1030	28.9
S047311		0.24	0.15	<0.1	0.006	0.03	0.6	1.1	12.35	218	0.15	0.01	0.2	1.2	160	1.1
S047312		16.30	0.19	0.5	0.068	3.15	19.3	14.1	1.77	212	17.95	1.46	7.7	8.2	1130	14.7
S047313		16.95	0.22	0.5	0.056	2.74	21.9	14.5	1.75	189	44.2	1.73	7.9	9.8	1150	11.4
S047314		16.35	0.23	0.4	0.075	2.74	24.3	17.7	1.66	259	40.9	1.28	6.9	9.7	1090	12.9
S047315		17.35	0.22	0.5	0.070	2.59	22.7	15.6	1.78	190	20.8	1.56	7.3	10.6	1140	12.2
S047316		16.35	0.21	0.4	0.087	2.68	20.0	14.3	1.35	290	23.2	1.29	6.3	9.5	1100	18.6

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118735

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047281		83.9	<0.002	0.93	1.65	12.3	1	3.2	380	0.62	0.05	9.05	0.311	1.37	2.4	110
S047282		96.1	0.010	2.15	2.22	16.1	3	4.4	357	0.49	0.11	8.81	0.363	1.51	2.5	137
S047283		107.0	0.009	2.41	2.22	15.7	4	5.7	327	0.48	0.21	8.70	0.366	1.50	2.6	135
S047284		94.9	0.007	1.92	2.20	16.6	2	4.2	704	0.49	0.11	9.25	0.383	1.52	3.0	143
S047285		93.4	0.010	1.48	2.23	16.1	2	4.5	416	0.57	0.08	9.91	0.393	1.54	3.2	146
S047286		94.2	0.007	1.81	2.18	16.3	2	4.9	409	0.57	0.10	9.52	0.402	1.58	3.0	147
S047287		73.7	0.018	2.37	2.72	15.6	3	5.8	466	0.48	0.27	7.02	0.376	1.73	2.8	145
S047288		81.5	0.015	1.48	1.95	15.9	2	4.3	477	0.49	0.13	8.45	0.388	1.74	2.7	144
S047289		90.4	0.012	1.37	2.04	16.4	2	3.5	606	0.48	0.13	8.65	0.389	1.58	3.1	141
S047290		88.8	0.019	2.01	1.43	15.4	3	3.3	684	0.48	0.08	7.89	0.354	1.50	2.8	142
S047291		85.2	0.012	2.18	3.07	16.5	3	4.3	426	0.43	0.25	8.38	0.373	1.63	3.4	162
S047292		79.8	0.004	0.81	6.03	6.3	<1	1.3	209	0.61	0.20	5.95	0.372	1.88	2.7	73
S047293		171.5	0.010	2.73	29.0	9.6	1	5.5	113.5	0.48	0.32	11.40	0.209	2.74	5.1	67
S047294		80.6	0.004	0.92	7.88	7.8	1	1.7	243	0.60	0.21	6.94	0.372	1.82	2.9	82
S047295		103.0	0.019	2.21	5.05	15.0	5	4.0	332	0.44	0.30	8.25	0.366	2.00	2.6	131
S047296		68.3	0.022	2.43	4.43	15.3	4	6.3	374	0.46	0.21	7.55	0.384	1.49	3.4	145
S047297		89.1	0.011	1.41	6.15	15.2	3	3.3	623	0.46	0.11	8.47	0.387	1.20	2.2	139
S047298		83.3	0.025	2.12	2.59	16.0	4	4.8	833	0.50	0.17	8.66	0.378	1.51	3.0	141
S047299		1.7	0.003	0.01	0.13	0.2	<1	<0.2	49.9	<0.05	<0.05	0.12	<0.005	0.02	0.8	2
S047300		72.1	0.011	1.58	2.05	17.8	3	4.1	1010	0.53	0.06	9.13	0.416	1.28	3.3	156
S047301		54.8	0.011	1.22	2.57	15.7	3	3.7	1545	0.50	0.08	7.31	0.410	1.34	2.9	149
S047302		61.3	0.017	1.22	2.62	15.5	3	3.8	1500	0.51	0.07	7.58	0.411	1.28	3.0	147
S047303		119.5	0.010	1.03	6.28	5.5	1	1.5	389	0.76	0.36	9.55	0.311	1.87	4.4	58
S047304		111.0	0.018	1.47	2.73	12.7	2	3.6	333	0.55	0.21	14.70	0.327	1.57	3.3	109
S047305		96.3	0.020	1.43	2.24	9.8	2	3.8	353	0.55	0.17	15.60	0.265	1.77	4.1	85
S047306		148.0	0.020	1.49	6.47	9.0	2	3.6	200	0.56	0.20	14.25	0.213	2.75	3.4	76
S047307		124.0	0.031	0.69	2.39	11.2	2	2.5	334	0.63	0.10	14.95	0.238	1.80	3.8	85
S047308		170.5	0.004	4.54	65.0	9.1	1	7.4	94.5	0.50	1.01	11.05	0.202	2.67	5.0	61
S047309		71.6	0.009	1.17	1.64	12.3	2	2.7	384	0.51	0.07	7.74	0.349	1.41	2.7	122
S047310		97.9	0.012	5.11	2.05	14.2	7	6.0	534	0.40	0.18	7.61	0.316	1.80	3.0	129
S047311		1.5	<0.002	0.03	0.08	0.2	<1	<0.2	51.3	<0.05	<0.05	0.21	<0.005	<0.02	0.5	2
S047312		88.5	0.013	1.92	1.72	14.0	3	4.2	399	0.49	0.09	8.97	0.368	1.61	3.9	137
S047313		97.3	0.018	0.93	1.20	15.0	2	3.2	1125	0.49	0.07	9.12	0.374	1.35	3.0	137
S047314		108.0	0.070	2.53	2.58	15.0	5	6.8	316	0.42	0.38	9.27	0.343	1.69	3.2	131
S047315		92.3	0.019	2.18	0.83	15.5	3	7.2	920	0.46	0.11	8.32	0.374	1.68	3.1	145
S047316		98.4	0.016	2.17	6.96	14.9	3	4.3	319	0.40	0.11	7.97	0.342	1.87	4.5	137

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Finalized Date: 9-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118735

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047281		2.6	12.2	86	19.1	0.015
S047282		4.9	14.1	88	12.0	0.031
S047283		6.6	14.3	107	10.5	0.032
S047284		6.4	15.8	85	10.7	0.035
S047285		5.5	16.9	89	11.7	0.041
S047286		5.9	16.3	90	11.0	0.035
S047287		6.0	15.1	102	11.5	0.048
S047288		4.0	16.6	89	11.3	0.035
S047289		5.1	16.5	87	9.9	0.031
S047290		4.6	16.6	65	9.3	0.044
S047291		5.7	15.8	96	9.4	0.026
S047292		1.2	9.6	133	166.0	0.017
S047293		5.8	12.3	911	33.4	0.371
S047294		1.7	10.4	141	140.0	0.023
S047295		7.9	13.9	102	11.9	0.027
S047296		5.1	15.6	65	9.6	0.026
S047297		4.5	15.4	68	9.3	0.027
S047298		4.4	14.5	113	10.7	0.025
S047299		0.1	0.7	20	<0.5	<0.005
S047300		4.8	19.7	73	10.2	0.025
S047301		3.4	15.0	80	14.2	0.024
S047302		3.5	15.9	85	12.6	0.024
S047303		1.8	9.5	105	155.0	0.031
S047304		4.3	12.7	105	20.8	0.026
S047305		5.2	10.5	58	29.0	0.032
S047306		5.2	8.9	108	38.7	0.034
S047307		4.2	10.7	39	32.9	0.023
S047308		6.1	10.8	2370	30.2	0.923
S047309		3.5	13.7	50	8.1	0.028
S047310		6.6	13.6	62	8.9	0.064
S047311		0.1	0.7	20	<0.5	<0.005
S047312		5.3	16.2	49	9.2	0.042
S047313		3.7	16.3	40	9.1	0.051
S047314		6.5	14.7	71	7.9	0.059
S047315		4.8	16.5	43	9.1	0.058
S047316		4.6	15.6	61	8.4	0.077

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Project: Klaza

Finalized Date: 9-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16118735

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

CERTIFICATE VA16118736

Project: Klaza

P.O. No.: Batch 49

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

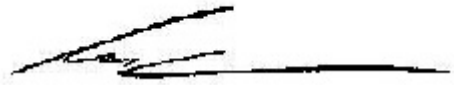
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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CERTIFICATE OF ANALYSIS VA16118736

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
K290869		1.30				0.12	7.77	6.6	2660	1.63	0.19	2.17	0.20	52.3	5.2	11
K290870		1.64				0.11	7.56	15.7	2770	1.62	0.19	1.91	0.57	53.2	6.2	10
K290871		1.32				0.29	7.89	20.3	2450	1.80	0.42	2.53	1.49	46.6	4.7	9
K290872		0.32	118	0.977	1.590	>100	5.52	8370	1330	1.15	62.6	2.05	231	34.5	8.4	18
K290873		1.84				0.94	6.27	104.0	770	1.19	0.55	5.38	9.96	61.9	29.3	8
K290874		1.26				0.37	7.50	31.8	2280	1.33	0.68	3.17	1.59	53.7	17.9	9
K290875		2.66				2.85	7.12	501	1570	1.42	0.94	1.98	26.9	42.3	6.7	9
K290876		1.46			1.420	31.5	6.69	3060	1420	1.37	17.85	1.74	184.0	45.0	7.1	8
K290877		6.22				0.04	0.07	1.6	60	0.06	0.04	22.1	0.18	1.22	0.5	1
K290878		3.24				1.95	7.34	90.5	1170	1.18	0.61	1.82	16.00	53.8	5.1	10
K290879		1.20				1.63	7.35	84.4	1830	1.33	1.06	2.35	3.80	54.5	26.8	8
K290880		1.70				0.05	8.21	18.9	990	1.93	0.16	1.56	0.24	71.1	5.4	15
K290881		2.60				0.22	7.13	24.6	2210	1.75	0.14	2.13	0.26	58.1	5.4	13
K290882		1.60				0.57	7.34	97.7	1970	1.84	0.53	2.17	3.57	49.0	7.3	9
K290883		1.62				0.34	6.87	103.5	1510	1.93	0.10	3.72	0.19	50.2	5.1	7
K290884		0.60				0.32	6.50	90.3	1370	1.67	0.12	5.13	0.19	51.2	4.1	6
K290885		1.26				4.11	7.13	174.5	1100	1.78	6.07	3.50	3.69	52.6	4.7	7
K290886		1.16				0.16	7.02	18.1	2090	1.60	0.30	2.66	0.17	36.5	4.8	8
K290887		7.12				0.10	7.09	11.5	2220	1.72	0.13	2.52	0.10	49.4	4.2	10
K290888		7.28				0.36	7.15	16.6	1350	1.76	0.41	2.87	0.41	52.7	7.7	13
K290889		1.40				4.11	6.68	102.0	950	1.18	2.21	2.84	33.2	52.4	13.7	18
K290890		1.96				3.58	6.61	61.1	840	1.46	2.54	3.15	24.3	48.1	13.2	20
K290891		0.32				4.33	6.73	700	830	1.20	3.07	2.12	10.15	49.6	11.0	25
K290892		3.84				5.26	6.72	42.8	760	1.26	1.80	2.22	30.9	36.4	21.2	10
K290893		5.34		1.850	1.300	45.6	5.79	859	1180	1.20	7.14	2.22	212	41.5	5.2	6
K290894		1.68				8.70	6.64	204	1370	1.54	6.16	2.01	35.2	47.4	7.7	8
K290895		5.06				0.03	0.07	1.2	40	0.06	0.03	21.9	0.16	1.30	0.5	<1
K290896		1.18				0.33	7.62	16.2	480	1.44	0.16	1.96	0.96	51.7	4.0	8
K290897		1.38				3.36	6.86	159.0	1130	1.35	1.09	1.83	10.15	47.8	6.4	9
K290898		2.02				0.11	7.06	10.7	1340	1.28	0.13	1.52	0.21	42.1	4.6	8
K290899		4.28				0.11	6.45	8.6	1620	1.34	0.14	2.46	0.21	34.4	3.6	9
K290900		<0.02				0.11	6.47	8.7	1640	1.27	0.14	2.51	0.21	32.5	3.8	9
S047551		2.78				4.18	6.54	104.0	480	1.38	4.52	1.43	10.05	40.6	19.4	8
S047552		1.34				3.46	6.94	57.9	500	1.30	3.83	0.73	9.75	10.50	32.6	9
S047553		2.48				3.58	7.34	59.5	890	1.42	2.24	2.42	10.60	44.0	13.4	9
S047554		5.18				9.25	7.24	53.5	1590	1.47	13.25	2.47	4.90	40.8	11.3	10

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Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118736

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
K290869		9.60	11.5	2.87	14.55	0.13	1.1	0.040	3.27	29.2	14.9	0.67	436	1.92	2.47	7.7
K290870		10.25	11.4	2.78	13.90	0.12	1.0	0.039	3.26	30.1	17.2	0.73	436	1.38	2.27	7.5
K290871		9.34	80.6	3.03	14.80	0.12	1.0	0.062	3.21	25.3	15.0	0.70	482	1.06	2.18	8.0
K290872		11.00	1275	8.41	11.55	0.10	1.0	4.54	2.36	18.4	29.7	0.66	3060	13.50	0.09	5.1
K290873		8.41	21.9	3.75	13.25	0.13	0.8	0.159	2.76	35.9	15.4	0.40	1080	1.16	0.42	6.5
K290874		6.42	31.6	3.97	15.25	0.15	1.0	0.085	3.34	28.3	16.4	0.70	658	2.06	1.05	8.9
K290875		14.55	47.3	3.89	14.60	0.12	1.1	0.397	3.54	21.9	18.7	0.69	1660	1.24	0.08	7.3
K290876		17.25	1385	5.70	13.20	0.10	0.9	2.98	3.03	25.2	11.8	0.69	1380	1.80	0.03	6.0
K290877		0.18	2.9	0.55	0.21	0.12	<0.1	0.005	0.03	0.6	1.2	13.75	218	0.11	0.01	0.1
K290878		13.85	18.1	3.31	13.50	0.11	0.8	0.172	3.28	29.8	12.7	0.71	1520	1.97	0.06	6.6
K290879		12.50	18.3	4.53	15.50	0.13	1.1	0.159	3.33	29.2	24.5	0.89	2200	1.13	0.06	6.0
K290880		21.6	8.9	2.55	18.35	0.14	3.7	0.028	2.88	38.2	167.0	0.78	553	0.73	0.05	10.4
K290881		19.25	11.5	2.38	17.50	0.13	3.4	0.027	2.45	30.4	95.3	0.78	523	2.03	0.04	9.9
K290882		34.9	8.7	2.67	14.35	0.13	1.2	0.056	2.80	26.3	27.9	0.74	768	2.16	0.05	7.4
K290883		32.4	6.1	2.35	12.85	0.13	1.0	0.033	2.44	28.6	17.6	1.26	1000	2.05	0.05	6.8
K290884		31.3	7.6	2.69	12.50	0.14	1.0	0.030	2.28	29.1	16.4	1.90	1340	1.85	0.05	6.6
K290885		26.7	19.7	2.82	14.00	0.15	0.9	0.077	3.18	30.6	23.1	1.22	1480	1.45	0.06	6.8
K290886		13.50	13.0	2.73	14.75	0.11	1.0	0.044	3.25	18.7	84.6	0.59	507	1.57	0.48	7.6
K290887		12.05	14.0	2.76	14.55	0.15	1.1	0.035	2.83	26.2	12.7	0.64	463	2.02	2.11	7.7
K290888		16.95	14.6	2.64	15.25	0.13	1.1	0.058	2.72	26.4	54.6	0.84	1380	2.11	0.36	7.2
K290889		9.88	78.6	4.67	14.05	0.13	2.0	0.442	2.71	20.0	30.5	1.28	1600	1.34	0.10	5.3
K290890		11.95	48.8	3.56	13.65	0.16	1.9	0.386	2.48	18.1	67.3	1.17	1800	4.56	0.08	4.8
K290891		12.75	303	5.10	13.60	0.11	1.0	0.287	2.95	29.1	24.5	0.80	1830	12.55	0.15	5.9
K290892		8.09	34.0	4.07	14.20	0.13	0.9	0.138	2.89	14.9	13.7	0.82	2360	5.29	0.11	4.9
K290893		18.65	223	3.24	11.25	0.10	0.9	4.99	2.22	23.4	45.6	0.79	1030	19.00	0.03	5.5
K290894		18.40	202	4.20	13.00	0.11	1.1	0.782	2.75	27.2	33.8	0.79	1300	2.07	0.03	6.2
K290895		0.15	1.4	0.48	0.19	0.14	<0.1	0.005	0.03	0.6	1.2	13.40	201	0.06	<0.01	0.4
K290896		19.55	9.2	2.74	13.90	0.15	1.2	0.055	1.92	28.5	411	0.75	864	1.47	0.03	7.5
K290897		14.00	71.4	3.73	13.15	0.10	1.0	0.191	2.53	26.6	78.1	0.68	1510	1.18	0.03	6.5
K290898		13.70	12.1	2.67	13.80	0.12	1.1	0.040	2.21	22.1	131.0	0.59	730	0.80	0.06	7.2
K290899		13.75	5.7	2.34	14.25	0.13	1.1	0.034	2.79	17.5	60.6	0.37	565	1.09	0.44	7.3
K290900		13.55	5.4	2.34	13.95	0.12	1.2	0.034	2.88	16.0	60.3	0.37	575	0.93	0.45	7.2
S047551		11.45	79.5	5.06	12.85	0.11	1.0	0.429	3.14	23.1	17.6	0.57	949	1.29	0.04	5.5
S047552		4.57	37.9	4.92	12.75	0.10	1.0	0.426	3.55	5.0	5.7	0.44	633	1.29	0.04	5.2
S047553		15.45	35.6	3.72	13.85	0.14	0.9	0.244	3.62	23.4	6.6	0.60	1190	0.74	0.05	5.9
S047554		15.65	86.6	3.35	14.95	0.12	1.1	0.145	3.27	20.1	91.8	0.69	1100	0.81	0.31	7.1

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CERTIFICATE OF ANALYSIS VA16118736

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
K290869		6.8	570	20.2	127.0	<0.002	0.14	2.46	9.1	1	1.6	369	0.67	<0.05	14.85	0.241
K290870		2.8	560	19.4	115.5	0.002	0.19	2.31	9.2	1	1.4	351	0.63	<0.05	14.65	0.244
K290871		2.7	600	19.1	128.5	<0.002	0.45	2.55	9.4	1	1.8	306	0.64	<0.05	13.65	0.258
K290872		13.2	460	>10000	133.5	0.002	7.24	227	7.0	1	8.0	123.5	0.40	0.45	9.06	0.187
K290873		2.6	520	217	153.5	<0.002	2.74	4.61	7.9	2	3.1	87.2	0.57	0.09	12.75	0.209
K290874		2.9	620	35.2	134.0	<0.002	1.50	4.32	10.6	1	2.5	160.0	0.73	0.17	15.00	0.272
K290875		2.3	540	703	162.5	<0.002	1.38	12.70	8.7	1	2.8	67.0	0.62	<0.05	12.25	0.228
K290876		2.5	480	2020	182.5	<0.002	5.26	158.5	8.4	1	5.3	56.4	0.52	0.27	11.90	0.205
K290877		1.7	180	3.9	1.4	<0.002	<0.01	0.28	0.2	1	<0.2	49.6	<0.05	<0.05	0.32	<0.005
K290878		2.0	530	764	163.0	<0.002	1.77	8.92	7.9	1	3.3	53.0	0.57	0.08	13.40	0.214
K290879		3.3	590	209	206	<0.002	3.23	11.95	8.6	2	3.4	123.0	0.48	0.19	12.90	0.192
K290880		5.0	1120	12.9	110.0	<0.002	0.06	10.95	5.4	1	1.8	452	0.70	<0.05	11.05	0.331
K290881		4.8	980	19.3	72.8	<0.002	0.12	11.95	4.6	1	1.4	269	0.68	<0.05	9.30	0.300
K290882		2.5	560	138.5	116.0	<0.002	0.77	11.10	9.1	1	1.9	140.5	0.64	0.07	14.15	0.239
K290883		1.9	500	22.5	131.0	<0.002	0.40	8.70	8.7	<1	1.3	233	0.57	<0.05	14.70	0.214
K290884		1.8	490	24.1	119.0	<0.002	0.24	8.63	8.5	1	1.4	324	0.56	<0.05	14.35	0.206
K290885		2.0	530	435	182.5	<0.002	1.07	11.60	9.0	1	1.9	153.5	0.55	<0.05	14.70	0.220
K290886		2.1	590	15.3	105.0	<0.002	0.34	5.29	8.4	1	2.3	205	0.63	0.09	10.95	0.251
K290887		2.4	540	16.9	108.0	<0.002	0.06	2.79	9.8	1	1.5	338	0.63	<0.05	13.90	0.238
K290888		2.5	590	35.0	107.5	<0.002	0.89	9.80	9.9	1	2.2	138.5	0.61	0.10	12.25	0.247
K290889		3.4	670	1220	166.5	<0.002	2.82	11.50	11.3	1	3.2	128.5	0.36	0.30	7.95	0.239
K290890		3.5	680	1070	144.0	<0.002	2.15	30.0	11.5	2	2.7	122.0	0.32	0.23	7.61	0.247
K290891		13.6	520	499	162.5	0.004	2.72	26.1	8.8	2	5.2	105.0	0.49	0.25	12.25	0.207
K290892		3.1	510	1955	160.5	<0.002	2.82	18.60	8.7	1	2.8	48.2	0.39	0.63	11.55	0.191
K290893		2.3	430	>10000	117.5	<0.002	2.44	81.1	7.5	1	1.9	110.5	0.46	0.06	11.85	0.186
K290894		2.5	490	1275	154.0	<0.002	2.31	52.6	8.5	1	2.7	95.2	0.51	0.15	12.90	0.209
K290895		1.5	200	9.3	1.2	<0.002	0.01	0.17	0.2	1	<0.2	47.2	<0.05	<0.05	0.11	0.007
K290896		1.9	620	64.6	96.7	<0.002	0.13	19.70	8.8	1	1.7	215	0.60	<0.05	14.70	0.247
K290897		2.3	510	529	139.5	<0.002	2.34	29.1	8.4	1	2.2	102.5	0.52	<0.05	12.75	0.215
K290898		1.7	570	13.4	90.0	<0.002	0.16	20.1	8.8	<1	1.5	112.0	0.61	<0.05	12.70	0.240
K290899		1.7	540	21.6	112.5	<0.002	0.13	8.03	8.1	1	1.7	164.0	0.65	<0.05	10.55	0.238
K290900		1.7	540	19.9	108.5	<0.002	0.14	7.77	7.8	1	1.8	165.5	0.59	<0.05	10.00	0.241
S047551		2.3	480	486	201	<0.002	4.69	14.45	7.8	1	4.3	55.5	0.45	0.51	13.25	0.183
S047552		2.6	510	794	230	<0.002	4.79	4.95	7.6	1	6.0	17.0	0.44	0.35	14.40	0.175
S047553		2.5	570	661	238	<0.002	3.34	5.44	9.5	1	3.4	59.4	0.49	0.26	13.85	0.200
S047554		2.5	580	723	142.0	<0.002	1.67	12.25	8.4	<1	2.8	180.5	0.57	0.18	10.90	0.227

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118736

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K290869		1.17	3.9	63	1.6	15.8	93	28.9	<0.005
K290870		1.12	3.4	62	1.1	14.5	169	27.9	<0.005
K290871		1.42	3.3	65	1.0	15.6	169	26.7	<0.005
K290872		2.20	5.5	52	4.4	8.6	>10000	32.5	4.42
K290873		2.41	25.6	53	1.4	17.6	1250	18.2	0.232
K290874		1.83	5.7	71	1.6	16.5	441	27.0	0.007
K290875		2.96	5.1	61	3.1	12.1	2080	28.2	0.082
K290876		2.95	4.4	54	4.1	11.0	>10000	22.7	0.875
K290877		0.02	0.6	1	0.1	0.8	35	<0.5	<0.005
K290878		2.62	4.2	59	2.2	11.2	1580	21.3	0.053
K290879		2.66	3.0	68	2.2	10.7	326	35.1	0.048
K290880		1.48	4.1	53	1.7	9.7	144	148.0	<0.005
K290881		1.12	5.2	47	1.5	8.1	97	127.0	<0.005
K290882		2.16	4.7	64	4.4	13.5	398	31.0	0.013
K290883		1.86	7.4	54	4.8	15.3	50	26.6	0.012
K290884		1.68	10.1	51	3.2	15.9	54	25.8	0.012
K290885		2.75	5.7	58	2.6	14.6	326	25.8	0.043
K290886		1.61	3.2	65	2.1	11.4	45	26.9	<0.005
K290887		1.14	4.2	61	1.1	15.6	37	30.9	<0.005
K290888		2.33	4.5	69	2.5	14.0	74	32.0	0.007
K290889		2.58	5.6	79	5.7	11.6	2880	79.3	0.122
K290890		2.38	7.1	86	3.1	15.3	1740	85.2	0.093
K290891		2.53	5.4	65	5.3	13.4	850	30.5	0.353
K290892		2.71	3.6	61	1.9	10.3	2880	30.6	0.074
K290893		1.99	6.9	52	3.4	11.9	>10000	26.4	1.735
K290894		2.27	6.6	58	3.9	12.5	2610	35.2	0.558
K290895		0.03	0.8	2	0.1	0.8	30	0.5	<0.005
K290896		1.84	4.5	66	4.7	13.5	134	35.0	<0.005
K290897		2.39	4.5	58	3.5	13.2	1010	30.1	0.139
K290898		1.46	2.8	63	3.3	13.5	60	32.6	<0.005
K290899		1.74	3.6	63	1.3	11.6	48	34.2	<0.005
K290900		1.75	3.6	63	1.3	10.7	49	33.4	<0.005
S047551		2.48	4.0	53	3.4	9.6	853	30.7	0.771
S047552		2.61	2.4	50	4.7	7.0	1130	28.4	0.066
S047553		2.89	2.8	62	3.2	13.0	820	28.6	0.106
S047554		2.32	3.5	65	2.7	11.7	472	31.5	0.022

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 10-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16118736

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21	Zn-OG62

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CERTIFICATE VA16118738

Project: Klaza

P.O. No.: Batch 52

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

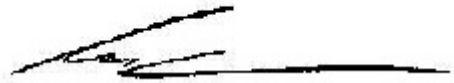
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10-AUG-2016
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CERTIFICATE OF ANALYSIS VA16118738

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047555		2.74			2.94	7.35	43.4	1580	1.42	1.91	2.19	12.55	47.2	6.0	8	18.70
S047556		4.16			0.19	7.12	12.2	2540	1.54	0.19	2.68	0.23	41.5	5.6	9	15.40
S047557		2.38			1.18	7.38	46.7	1520	1.81	0.77	3.28	0.83	50.5	8.4	10	31.3
S047558		1.82			0.59	7.55	30.7	1400	2.00	0.53	2.19	3.23	55.4	8.0	9	30.1
S047559		1.80			2.99	7.14	97.5	660	1.38	1.53	2.01	9.20	53.1	17.7	7	7.39
S047560		4.40			4.16	7.77	288	650	1.54	2.25	1.29	27.4	55.4	5.9	9	13.80
S047561		1.16			3.21	7.52	226	900	1.59	1.50	1.46	21.7	55.1	5.2	9	13.35
S047562		1.78			8.65	7.31	521	400	1.39	3.28	0.37	33.7	54.1	8.5	9	11.55
S047563		1.82			46.3	5.59	2740	910	1.29	35.9	1.12	43.1	36.5	16.0	10	13.20
S047564		3.48			2.91	7.19	259	610	1.45	1.80	2.50	5.48	50.7	10.2	8	19.20
S047565		0.34			11.60	6.91	1565	400	1.33	11.60	1.94	31.5	45.5	17.2	19	13.30
S047566		1.56			1.65	7.59	40.4	820	1.79	0.41	2.36	11.50	50.3	4.9	9	19.25
S047567		1.36			11.80	7.73	264	800	1.71	6.66	1.99	53.0	54.4	7.8	8	20.1
S047568		1.86		1.805	61.6	5.86	1665	370	1.40	56.5	0.96	209	36.4	46.5	7	9.82
S047569		1.62			3.14	7.29	516	1210	1.61	0.32	2.13	21.4	54.7	5.1	9	12.15
S047570		5.12			0.06	0.08	1.2	40	0.08	0.05	20.7	0.17	1.22	0.6	2	0.18
S047571		3.76			0.65	7.25	19.6	2300	1.38	0.56	2.60	3.08	45.4	7.4	11	10.70
S047572		1.34			3.74	7.22	1305	1040	1.39	1.99	2.10	9.02	50.4	11.5	11	10.30
S047573		4.10			0.14	6.98	9.6	2380	1.58	0.30	2.48	0.19	38.4	8.0	10	8.16
S047574		3.66			1.68	6.63	36.2	1750	1.45	1.68	3.38	3.62	43.2	8.3	8	12.95
S047575		1.58			11.70	6.39	4100	1080	1.29	7.65	2.55	7.65	38.7	8.0	7	15.45
S047576		1.40		2.04	42.1	6.76	5430	140	1.41	47.1	1.30	204	44.0	5.0	9	10.65
S047577		0.36	117	1.590	>100	5.34	7650	150	1.09	61.8	1.93	221	31.4	9.0	18	10.95
S047578		1.18			0.68	8.24	27.1	2100	1.33	0.45	1.63	1.76	55.3	5.8	10	9.60
S047579		4.24			18.75	7.03	3290	390	1.37	39.1	1.65	19.35	50.8	9.0	9	11.50
S047580		1.52			0.49	6.68	45.7	1840	1.23	1.04	3.71	0.61	42.3	7.6	10	7.23
S047581		3.70			0.14	7.57	13.9	2110	1.81	0.26	2.11	0.17	46.6	7.5	8	13.05
S047582		4.44			0.28	7.93	52.5	2010	1.34	0.71	1.87	0.33	50.3	7.8	9	15.20
S047583		4.66			2.29	6.34	3290	210	1.43	0.74	1.01	10.15	43.4	6.8	7	15.60
S047584		5.16			0.02	0.08	1.4	40	0.06	0.03	20.0	0.06	1.27	0.6	1	0.21
S047585		1.22			5.02	6.74	201	640	1.48	2.58	1.94	8.08	44.0	4.4	7	16.60
S047586		3.88			1.86	7.50	296	790	1.67	1.35	2.13	3.02	51.4	8.7	8	23.9
S047587		<0.02			1.80	7.14	278	890	1.59	1.28	2.03	2.92	50.6	7.7	7	22.5
S047588		1.60			0.10	6.19	11.9	1570	1.43	0.27	3.51	0.19	36.9	6.8	8	16.65
S047589		2.90			0.24	6.56	27.9	2010	1.18	0.75	2.99	0.17	39.0	6.9	9	11.60
S047590		1.56			10.70	6.20	932	250	1.71	5.21	2.73	99.8	41.7	6.5	9	19.45

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CERTIFICATE OF ANALYSIS VA16118738

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047555		66.3	2.97	14.95	0.11	1.1	0.369	2.30	24.5	161.0	0.67	746	0.77	0.14	7.5	2.1
S047556		10.5	2.80	15.10	0.14	1.2	0.036	2.93	20.9	30.6	0.63	681	0.86	1.70	7.7	2.4
S047557		15.6	2.89	17.80	0.14	3.5	0.057	2.78	25.5	118.0	1.01	806	3.13	0.04	9.9	4.4
S047558		14.0	2.73	17.50	0.14	3.4	0.110	2.81	29.0	88.2	0.76	742	6.61	0.05	9.7	3.7
S047559		25.3	3.77	14.45	0.14	0.9	0.296	3.31	27.3	8.6	0.73	2420	25.9	0.04	6.1	2.2
S047560		94.1	4.04	15.80	0.14	1.0	0.535	3.19	30.4	44.0	0.59	1580	7.32	0.03	7.5	2.9
S047561		81.8	3.55	15.50	0.12	1.0	0.356	2.92	30.2	55.6	0.60	1480	6.10	0.03	7.2	2.2
S047562		240	4.69	15.45	0.13	1.0	0.850	3.43	29.6	9.9	0.37	1140	11.20	0.03	6.7	2.5
S047563		777	7.51	11.40	0.14	1.4	1.385	1.85	19.0	60.3	0.37	847	50.2	0.02	5.4	3.6
S047564		46.6	3.53	14.15	0.14	1.1	0.122	3.01	28.1	24.1	0.71	1970	2.12	0.03	7.0	2.2
S047565		285	6.63	14.45	0.12	1.1	0.790	2.91	23.6	19.0	0.78	1780	8.29	0.13	6.3	11.9
S047566		15.6	3.91	14.65	0.12	1.1	0.080	3.12	27.6	39.8	0.81	2310	1.69	0.03	7.1	2.1
S047567		272	4.47	15.95	0.14	1.7	0.959	3.26	29.3	51.7	0.78	2210	1.40	0.03	8.3	2.7
S047568		842	8.51	12.60	0.14	1.1	10.00	2.62	18.2	19.6	0.52	2120	2.01	0.02	5.8	3.0
S047569		31.2	3.78	14.95	0.13	1.2	0.179	3.25	29.7	10.4	0.69	4130	1.83	0.55	7.4	2.4
S047570		2.3	0.45	0.22	0.13	<0.1	0.006	0.03	0.6	1.1	12.75	195	0.08	0.01	0.2	1.4
S047571		17.9	2.93	15.40	0.15	1.1	0.144	2.73	23.3	11.5	0.74	645	10.05	2.10	8.0	2.6
S047572		170.5	4.18	14.20	0.15	0.9	0.130	3.03	27.7	13.1	0.63	1230	5.95	0.88	7.0	2.8
S047573		13.7	2.81	15.15	0.13	1.1	0.047	2.67	19.6	13.1	0.81	579	4.22	2.25	7.7	2.5
S047574		44.9	3.12	14.50	0.14	1.0	0.108	2.94	22.1	18.4	0.57	901	1.50	0.60	7.2	2.2
S047575		426	3.71	14.00	0.13	0.9	0.562	2.89	19.1	31.2	0.51	1050	2.10	0.16	6.7	2.3
S047576		1440	7.55	14.00	0.12	1.0	4.89	2.98	22.6	20.1	0.55	1260	1.53	0.06	6.3	2.0
S047577		1230	7.83	12.00	0.12	1.0	4.55	2.26	15.7	30.4	0.61	2940	14.15	0.08	5.3	13.7
S047578		34.4	3.32	16.40	0.14	1.2	0.103	3.40	29.2	29.6	0.64	831	1.46	0.12	8.2	2.4
S047579		257	4.75	13.75	0.14	1.0	0.600	3.08	27.6	21.9	0.61	1340	1.26	0.06	6.7	2.3
S047580		28.6	2.71	14.60	0.13	1.1	0.093	2.93	21.7	23.1	0.54	739	1.65	0.15	7.2	2.1
S047581		14.0	3.30	15.30	0.14	1.3	0.052	2.86	23.6	24.0	0.81	548	3.38	1.33	8.5	2.6
S047582		12.5	2.85	16.65	0.14	1.1	0.050	3.22	26.0	66.0	0.68	639	3.84	0.19	8.0	2.6
S047583		11.1	4.08	14.10	0.13	0.9	0.238	2.77	22.6	34.0	0.49	2170	3.99	0.02	5.6	2.1
S047584		1.6	0.44	0.23	0.16	<0.1	0.005	0.03	0.6	1.3	12.30	193	0.30	<0.01	0.2	1.4
S047585		103.5	3.60	13.80	0.15	1.0	0.280	2.80	23.8	20.2	0.66	2860	4.02	0.02	7.0	2.2
S047586		32.0	3.37	15.45	0.13	1.1	0.184	3.08	28.3	39.2	0.73	2350	8.01	0.03	6.4	2.6
S047587		30.9	3.22	14.65	0.14	1.1	0.174	2.95	27.3	37.2	0.69	2240	7.82	0.03	6.0	2.4
S047588		22.1	2.47	14.15	0.15	1.0	0.053	2.92	18.3	349	0.58	824	1.86	0.09	7.3	1.9
S047589		27.1	2.71	14.65	0.15	1.1	0.063	2.96	19.0	29.1	0.58	846	1.34	0.11	7.7	2.1
S047590		154.5	3.42	13.85	0.15	1.1	1.245	2.92	20.2	82.4	0.62	1640	2.20	0.06	6.8	3.9

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VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118738

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047555		600	489	90.4	<0.002	0.72	21.4	8.7	1	2.0	214	0.61	0.09	11.90	0.241	1.55
S047556		570	26.2	108.0	<0.002	0.13	4.85	9.1	<1	1.6	335	0.61	<0.05	10.55	0.244	1.59
S047557		800	45.9	96.2	0.002	0.38	21.6	7.2	1	1.5	510	0.72	0.06	8.71	0.294	1.78
S047558		760	94.8	121.0	0.002	0.49	20.3	7.6	<1	1.5	310	0.72	0.07	9.95	0.283	1.88
S047559		500	406	211	0.003	2.75	13.25	8.7	1	3.6	48.1	0.50	0.24	12.20	0.190	2.88
S047560		590	788	188.0	<0.002	3.03	22.6	9.8	<1	3.9	85.0	0.59	0.11	14.00	0.241	2.95
S047561		550	516	175.5	<0.002	2.25	22.3	9.8	<1	3.7	109.5	0.58	0.12	14.25	0.228	2.91
S047562		550	1170	208	<0.002	4.48	91.8	8.8	<1	4.6	26.6	0.52	0.22	12.55	0.225	3.43
S047563		510	2640	111.5	<0.002	7.76	273	6.3	1	4.8	315	0.40	0.78	7.74	0.177	1.91
S047564		550	385	155.0	<0.002	1.62	16.45	9.9	1	2.6	139.5	0.57	0.32	11.55	0.234	2.95
S047565		540	1330	163.0	0.002	4.73	64.3	8.8	1	7.5	95.5	0.51	1.08	11.15	0.207	2.65
S047566		560	875	160.0	<0.002	0.58	7.84	9.4	<1	2.3	120.5	0.58	<0.05	12.55	0.228	3.07
S047567		640	2190	178.5	<0.002	2.17	27.1	10.1	<1	3.5	215	0.65	0.19	12.85	0.255	3.06
S047568		430	6140	156.5	0.002	8.62	49.6	7.2	2	5.3	80.0	0.44	1.42	8.31	0.178	2.65
S047569		530	932	172.0	<0.002	1.36	10.95	9.2	1	2.8	127.5	0.62	<0.05	14.10	0.220	2.79
S047570		170	6.8	1.4	<0.002	0.01	0.18	0.2	<1	<0.2	48.2	<0.05	<0.05	0.12	<0.005	0.03
S047571		580	80.3	111.0	<0.002	0.25	1.68	9.7	<1	1.6	353	0.63	0.05	12.15	0.244	1.36
S047572		530	558	158.5	0.002	1.88	7.51	9.0	<1	4.7	176.0	0.55	0.11	12.70	0.226	1.88
S047573		560	22.9	90.7	<0.002	0.12	1.17	8.9	1	1.6	380	0.59	0.11	10.10	0.242	1.09
S047574		550	323	121.5	<0.002	0.81	8.66	8.8	<1	2.8	185.0	0.56	0.05	10.70	0.221	1.80
S047575		500	527	112.5	<0.002	1.81	56.9	8.4	<1	4.7	113.5	0.54	1.98	9.91	0.211	1.86
S047576		490	4990	156.0	<0.002	7.04	60.9	8.5	1	6.0	55.9	0.50	0.32	10.85	0.199	2.21
S047577		430	9450	125.0	<0.002	6.87	217	6.7	1	8.1	118.0	0.40	0.44	7.83	0.174	2.27
S047578		630	108.5	139.5	<0.002	0.56	7.39	10.0	<1	2.7	89.2	0.65	<0.05	13.75	0.258	2.08
S047579		510	639	165.0	<0.002	3.16	22.8	8.9	<1	4.3	68.2	0.54	0.13	11.60	0.208	2.28
S047580		540	41.3	112.0	<0.002	1.10	9.73	8.7	<1	2.0	137.0	0.59	0.18	10.20	0.223	1.80
S047581		610	21.3	116.5	<0.002	0.20	3.71	10.2	<1	1.6	233	0.72	0.09	12.35	0.257	1.51
S047582		620	34.2	127.0	0.002	0.77	7.84	10.2	1	1.9	120.0	0.64	0.28	13.00	0.253	1.95
S047583		450	660	161.5	<0.002	3.16	37.3	8.5	<1	3.0	41.0	0.45	0.21	10.65	0.183	2.93
S047584		170	2.4	1.4	<0.002	<0.01	0.12	0.2	<1	<0.2	48.4	<0.05	<0.05	0.18	<0.005	0.03
S047585		480	538	156.0	<0.002	2.66	58.0	9.1	<1	3.4	48.3	0.55	0.06	11.45	0.215	3.17
S047586		520	247	179.5	<0.002	1.76	33.1	9.5	<1	2.2	69.2	0.53	0.51	13.20	0.200	3.36
S047587		510	215	173.5	<0.002	1.68	31.7	9.0	1	2.1	65.7	0.49	0.53	12.45	0.191	3.21
S047588		530	13.8	93.6	<0.002	0.26	16.40	8.1	<1	1.6	169.0	0.59	0.09	9.60	0.228	1.99
S047589		560	20.4	98.4	<0.002	0.45	13.05	8.5	<1	1.9	120.5	0.61	0.24	9.87	0.239	2.00
S047590		500	2670	127.5	<0.002	2.16	40.9	8.6	1	2.5	166.5	0.56	0.21	10.10	0.214	2.46

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16118738

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047555		2.8	65	2.9	13.4	1130	33.6	0.115
S047556		3.1	67	1.6	14.5	63	33.3	0.006
S047557		4.5	71	2.0	14.5	136	133.5	0.070
S047558		5.9	69	2.2	15.8	361	128.0	0.028
S047559		3.8	58	2.2	10.1	841	26.8	0.064
S047560		5.2	68	3.1	12.3	2590	31.2	0.125
S047561		5.3	65	2.8	12.8	1880	29.7	0.117
S047562		3.6	65	4.9	9.9	3230	31.6	0.313
S047563		16.0	47	4.3	8.6	3800	47.5	5.47
S047564		4.3	68	2.6	14.5	567	30.5	0.480
S047565		5.1	63	5.6	11.7	2450	30.2	0.910
S047566		3.6	65	2.6	13.4	1130	31.6	0.016
S047567		5.4	70	3.4	14.7	4380	54.3	0.330
S047568		3.9	50	3.7	9.4	>10000	34.4	7.18
S047569		4.3	60	2.8	15.1	1880	33.8	0.089
S047570		0.6	1	0.1	0.7	29	0.9	<0.005
S047571		3.8	68	1.9	16.6	289	32.0	0.023
S047572		4.1	62	2.8	14.1	1010	26.6	0.572
S047573		2.9	65	1.5	15.2	52	31.0	<0.005
S047574		3.4	62	3.0	15.5	380	28.3	0.094
S047575		2.8	60	3.4	13.1	862	27.3	0.875
S047576		2.9	55	4.2	13.5	>10000	27.3	2.61
S047577		4.9	51	4.1	8.5	>10000	32.4	4.33
S047578		2.5	70	7.1	15.9	202	34.3	0.014
S047579		2.5	60	4.3	13.3	1890	28.8	2.93
S047580		2.0	62	2.6	15.5	121	31.7	0.039
S047581		2.5	70	1.9	16.1	55	37.5	0.005
S047582		2.7	70	4.0	15.1	66	32.5	0.015
S047583		2.6	56	5.1	9.6	744	25.6	1.500
S047584		0.6	1	0.1	0.8	17	0.5	<0.005
S047585		3.3	60	5.1	10.9	619	27.5	0.470
S047586		9.6	63	4.3	13.5	271	30.7	0.168
S047587		9.6	61	3.9	13.0	266	31.0	0.112
S047588		3.1	60	2.0	12.5	49	29.7	<0.005
S047589		3.9	65	3.5	13.5	52	31.6	0.200
S047590		4.8	61	3.5	13.6	6330	31.6	0.390

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 10-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16118738

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 22-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121836

Project: Klaza

P.O. No.: Batch 20

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

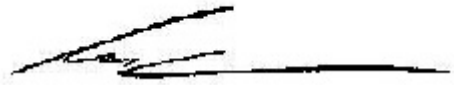
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16121836

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Cu	Pb	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd
	Units	kg	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
K292729		1.80	12.95						62.6	6.50	1640	320	1.88	17.40	2.18	112.5
K292730		2.02					2.51		64.2	4.08	1310	320	1.36	3.04	2.56	253
K292731		1.82					1.490		19.10	2.31	593	80	0.58	30.6	4.67	206
K292732		6.08							0.10	0.04	2.0	40	0.06	0.04	21.3	0.54
K292733		1.48					2.31		25.4	2.47	617	100	0.49	36.7	3.49	340
K292734		2.76							7.20	7.31	331	140	1.22	9.02	0.61	4.10
K292735		<0.02							7.10	7.02	320	120	1.29	9.26	0.54	4.06
K292736		1.84							10.75	4.49	601	340	0.66	15.60	0.20	8.58
K292737		1.54							0.51	5.49	13.4	3870	0.93	0.41	4.05	0.61
K292738		1.22		273		7.90	5.91		>100	3.55	1860	670	0.76	12.75	2.34	849
K292739		0.34							40.1	5.55	2160	280	1.24	36.5	1.60	45.5
K292740		2.08		240					>100	6.28	5480	500	1.50	431	1.45	4.20
K292741		2.54							31.1	6.00	101.5	1320	1.47	0.81	2.38	132.0
K292742		1.50		483		12.45	4.06		>100	4.44	7690	980	1.11	2.17	1.50	675
K292743		2.20					4.13		34.3	4.45	87.8	230	1.15	0.64	4.65	657
K292744		0.22	13.65	123	2.82	2.31	14.85		>100	4.51	168.5	770	0.40	1.85	2.10	837
K292745		1.42					1.235		16.00	3.92	3190	110	1.04	5.94	4.73	178.0
K292746		1.54		142					>100	6.95	655	520	1.48	235	1.04	15.75
K292747		1.74				0.984	3.11		36.5	5.99	4140	200	1.17	7.48	2.05	444
K292748		2.60							14.70	3.79	1755	170	0.69	21.4	1.50	124.5
K292749		6.18							0.17	0.05	14.9	70	<0.05	0.18	21.4	1.29
K292750		4.02	13.10	119		1.480	1.225	3.40	>100	5.58	>10000	620	1.11	6.77	0.48	173.0
K292751		1.92	13.90	339		6.18	5.88	2.56	>100	4.59	>10000	850	0.92	17.15	0.54	913
K292752		1.46						1.560	17.95	6.07	>10000	160	1.35	12.85	3.62	76.7
K292753		1.22							2.32	7.52	256	1960	1.54	0.42	5.52	13.00
K292754		1.24							3.02	7.05	2900	1310	1.49	0.44	4.67	14.15
K292755		1.54							21.4	5.91	4940	290	1.20	13.80	4.20	48.3
K292756		2.36					2.03	1.280	35.2	5.74	>10000	640	1.23	6.58	0.90	221
K292757		2.72							50.3	5.27	9160	590	1.47	15.20	2.62	88.0
K292758		1.44		254		7.86	4.86		>100	4.74	1390	160	0.94	29.2	0.70	444
K292759		0.98		148		3.12	2.05	3.87	>100	4.42	>10000	580	0.96	65.0	0.38	203
K292760		<0.02		151		3.19	2.14	4.30	>100	4.26	>10000	540	0.97	63.5	0.38	207
K292761		3.20						1.715	85.9	4.68	>10000	580	1.36	44.3	0.58	78.3
K292762		3.06	11.50						91.6	5.30	1035	60	1.49	177.0	1.32	15.60
K292763		2.80							19.60	6.41	871	780	1.59	3.44	0.99	23.1
K292764		2.76					1.030		71.6	5.57	2270	420	1.32	34.3	1.66	160.0

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Finalized Date: 22-AUG-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16121836

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
K292729		47.9	13.9	19	24.1	597	7.87	16.30	0.11	2.1	1.055	2.58	26.4	58.5	0.78	746
K292730		26.8	5.8	5	10.10	147.0	7.53	10.30	0.08	0.7	1.710	2.02	14.4	12.1	0.87	54800
K292731		31.7	6.2	6	3.68	283	13.25	8.55	0.09	0.3	9.65	1.03	18.5	15.8	1.96	5740
K292732		1.02	0.6	1	0.11	2.4	0.46	0.15	0.09	<0.1	0.016	0.02	0.5	0.8	13.10	256
K292733		11.80	4.6	5	4.70	368	16.20	10.15	0.08	0.3	16.05	1.09	6.3	10.1	1.46	2990
K292734		51.0	6.6	12	7.33	196.5	6.53	17.15	0.11	0.9	0.399	3.68	26.5	5.0	0.54	1460
K292735		47.2	6.4	13	7.08	192.5	6.30	16.90	0.10	1.0	0.383	3.53	24.4	5.2	0.49	1340
K292736		27.6	38.7	18	3.17	277	15.75	11.45	0.09	0.8	0.269	2.19	13.1	3.1	0.21	117
K292737		39.1	5.5	9	9.45	52.1	2.99	11.70	0.08	0.7	0.084	2.76	22.6	14.2	1.22	1880
K292738		23.2	3.8	6	4.02	1425	6.59	8.44	0.06	0.5	19.85	1.75	12.2	7.9	0.93	2620
K292739		35.1	16.6	23	9.79	1140	8.95	13.20	0.09	0.7	1.560	2.58	18.2	15.2	0.65	2250
K292740		46.4	17.6	11	6.59	4340	7.39	13.40	0.10	0.9	1.695	3.09	25.7	6.2	0.74	849
K292741		44.9	6.0	10	14.30	212	4.58	12.85	0.10	0.9	0.288	2.75	25.6	20.4	1.00	2400
K292742		22.0	4.9	7	10.55	982	5.12	11.35	0.08	0.7	6.08	2.08	8.8	9.0	0.65	2000
K292743		30.8	3.2	8	7.97	518	6.24	10.15	0.07	0.6	3.25	2.13	17.6	10.3	1.74	4870
K292744		22.2	60.8	47	1.46	>10000	9.41	17.75	0.25	0.6	3.42	0.85	11.4	5.4	0.81	1660
K292745		26.7	4.1	8	12.40	208	5.48	9.25	0.05	0.6	5.39	1.69	13.5	20.7	1.22	2360
K292746		82.4	7.5	10	13.05	7570	7.30	15.05	0.09	0.8	3.05	2.96	51.2	6.6	0.68	2580
K292747		28.3	2.0	9	8.08	199.0	7.54	27.3	0.07	0.6	6.26	2.65	10.7	6.1	0.88	3170
K292748		10.15	6.1	7	8.39	103.5	11.50	10.75	0.05	0.4	0.494	1.58	2.9	16.4	0.59	1200
K292749		1.43	0.5	1	0.15	4.3	0.48	0.21	<0.05	<0.1	0.018	0.02	0.6	0.4	13.25	218
K292750		34.7	6.1	10	8.43	332	8.15	14.85	0.07	1.0	0.448	2.59	18.8	9.2	0.31	558
K292751		35.4	4.3	8	7.30	2490	7.84	12.95	0.07	1.0	17.25	2.19	19.1	10.9	0.32	1170
K292752		37.7	20.0	105	21.6	171.5	9.52	15.40	0.08	0.6	1.545	2.34	18.7	25.0	1.65	1960
K292753		40.1	19.7	23	28.4	62.1	5.46	18.10	0.07	0.5	0.118	2.18	20.6	185.0	2.56	1710
K292754		39.5	22.5	22	22.8	65.4	6.07	17.60	0.09	0.5	0.162	3.00	19.3	22.0	2.18	3130
K292755		37.3	15.4	9	16.35	490	8.77	16.30	0.08	0.5	1.695	2.20	19.7	34.7	1.94	2340
K292756		37.7	7.6	10	5.29	346	8.17	13.50	0.08	0.9	3.77	2.78	20.2	10.6	0.39	752
K292757		31.0	13.4	9	15.65	547	8.48	13.30	0.07	1.4	1.175	1.85	16.6	26.4	0.82	1660
K292758		24.1	5.1	7	7.69	1470	10.25	12.45	0.07	0.8	9.91	2.32	11.9	7.3	0.35	1020
K292759		33.9	11.4	8	4.44	1890	12.45	10.50	0.08	0.7	6.27	2.09	18.1	10.5	0.25	727
K292760		32.5	11.2	7	4.24	1960	13.10	10.10	0.08	0.6	6.26	1.98	17.8	9.9	0.24	725
K292761		30.5	23.5	11	12.70	2620	10.65	11.35	0.07	0.7	2.83	2.14	16.1	15.9	0.28	474
K292762		28.1	17.2	9	13.65	1330	12.60	12.70	0.07	0.8	1.440	2.50	13.7	62.9	0.56	1080
K292763		48.2	11.0	11	14.00	342	5.37	14.65	0.07	0.9	0.454	2.97	26.7	19.9	0.45	1040
K292764		30.8	11.7	8	14.35	914	8.43	13.00	0.06	1.0	4.84	2.30	14.4	24.2	0.64	2470

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121836

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05
K292729		11.45	0.07	6.7	13.2	520	5250	126.5	<0.002	6.44	47.8	7.3	3	10.6	146.5	0.50
K292730		8.79	0.02	4.2	3.1	330	5090	128.5	<0.002	4.43	92.2	8.8	1	2.6	134.0	0.31
K292731		16.40	0.02	1.9	2.6	170	1070	56.3	<0.002	>10.0	32.9	3.6	2	9.3	72.6	0.16
K292732		0.14	<0.01	0.1	1.5	180	8.6	1.0	<0.002	0.01	0.20	0.1	<1	<0.2	47.6	<0.05
K292733		6.81	0.02	2.1	1.5	170	2220	62.7	<0.002	>10.0	25.4	3.6	3	14.7	84.3	0.17
K292734		9.34	0.05	5.8	2.8	570	216	203	<0.002	6.27	20.5	10.1	1	8.9	14.8	0.53
K292735		28.8	0.05	5.4	2.8	540	213	199.5	0.002	6.10	19.85	9.9	1	8.7	14.6	0.49
K292736		12.20	0.04	3.1	2.9	330	153.0	129.5	0.002	>10.0	15.10	6.3	3	10.9	8.2	0.30
K292737		0.39	0.03	4.9	1.7	420	23.5	158.0	<0.002	0.26	20.3	8.0	<1	1.0	150.0	0.40
K292738		8.12	0.02	3.5	1.5	260	>10000	104.0	<0.002	9.31	448	4.5	1	3.3	30.6	0.29
K292739		16.30	0.06	4.8	14.4	440	1710	142.0	<0.002	7.72	103.5	8.1	2	10.3	61.6	0.40
K292740		2.87	0.05	5.1	2.7	450	718	184.0	<0.002	5.18	117.5	8.8	2	8.8	37.6	0.56
K292741		1.28	0.03	6.0	2.8	430	7150	153.0	<0.002	1.60	66.7	8.0	1	2.1	49.9	0.50
K292742		10.70	0.02	4.6	1.9	330	>10000	106.0	<0.002	6.95	686	5.9	1	8.2	48.8	0.35
K292743		1.50	0.02	4.5	1.7	320	5590	117.0	<0.002	3.41	32.9	6.4	1	4.3	54.3	0.35
K292744		156.0	1.11	2.4	19.2	560	>10000	31.5	0.070	>10.0	188.0	11.6	9	19.4	226	0.15
K292745		5.31	0.02	4.0	1.9	260	2810	109.5	<0.002	5.33	69.3	5.4	<1	2.9	132.0	0.31
K292746		2.91	0.06	5.1	3.1	540	815	164.5	<0.002	4.44	243	8.4	1	6.0	40.1	0.40
K292747		8.48	0.10	5.5	2.1	480	>10000	148.5	<0.002	5.76	86.6	8.4	<1	66.6	66.2	0.36
K292748		25.8	0.03	3.3	2.0	270	1740	99.7	<0.002	>10.0	63.4	4.9	1	9.0	82.3	0.24
K292749		0.38	<0.01	0.1	1.3	180	34.5	1.7	<0.002	0.02	0.59	0.2	<1	0.3	55.7	<0.05
K292750		8.30	0.02	5.7	2.2	400	>10000	163.5	<0.002	7.67	244	7.4	<1	17.6	22.2	0.43
K292751		32.0	0.02	4.9	2.3	340	>10000	127.5	<0.002	>10.0	870	6.1	1	12.9	17.6	0.39
K292752		2.48	0.03	5.6	38.1	800	2120	109.0	<0.002	7.54	83.8	16.6	1	4.1	354	0.32
K292753		2.11	0.04	5.1	10.4	1090	463	127.5	<0.002	1.20	35.9	19.4	1	2.3	328	0.28
K292754		1.70	0.03	5.2	11.0	1050	494	179.0	<0.002	1.43	49.4	18.3	<1	2.4	423	0.26
K292755		2.08	0.04	3.7	5.2	780	1885	142.0	<0.002	5.90	123.5	14.2	1	9.5	197.5	0.20
K292756		1.04	0.03	5.7	2.3	390	8250	180.5	<0.002	9.04	81.9	8.1	1	9.9	37.9	0.43
K292757		2.16	0.02	5.4	4.3	460	9540	120.5	<0.002	8.48	90.4	5.9	1	4.9	253	0.36
K292758		1.46	0.02	5.0	1.8	360	>10000	108.0	<0.002	>10.0	380	6.1	1	12.5	19.5	0.38
K292759		22.7	0.02	4.0	1.8	290	>10000	133.0	<0.002	>10.0	398	6.4	1	18.2	13.7	0.29
K292760		20.1	0.02	3.7	1.8	280	>10000	127.0	<0.002	>10.0	402	6.1	1	10.7	12.8	0.28
K292761		1.38	0.02	4.6	2.4	330	2250	152.0	<0.002	>10.0	145.5	6.5	1	11.9	100.5	0.32
K292762		2.03	0.07	6.4	2.4	450	1305	121.0	<0.002	>10.0	74.9	8.6	1	4.8	109.0	0.44
K292763		5.66	0.03	6.7	2.6	460	6280	186.0	<0.002	4.79	132.0	9.1	1	4.9	37.3	0.49
K292764		13.50	0.03	6.1	2.6	450	2510	123.0	<0.002	7.95	258	7.7	1	6.1	127.5	0.43

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121836

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292729		0.87	10.60	0.211	2.43	5.5	53	3.8	11.3	6060	86.3	>10.0
K292730		<0.05	8.41	0.155	1.68	8.4	47	1.5	16.2	>10000	21.6	1.225
K292731		1.47	5.24	0.061	1.01	5.6	22	3.9	8.9	>10000	10.1	2.38
K292732		<0.05	0.07	<0.005	<0.02	0.7	2	0.1	0.8	57	0.6	0.005
K292733		2.39	4.21	0.069	1.07	2.6	27	4.7	7.7	>10000	9.4	3.54
K292734		1.46	12.65	0.189	3.00	2.7	68	6.8	8.8	305	28.2	0.366
K292735		1.25	12.55	0.172	2.96	2.8	65	6.6	8.3	290	27.7	0.281
K292736		3.51	8.59	0.092	1.48	2.0	44	4.8	5.5	588	17.0	0.715
K292737		<0.05	9.33	0.193	2.21	3.2	67	4.2	10.0	78	20.7	0.005
K292738		0.14	6.16	0.116	1.78	2.5	33	4.1	4.9	>10000	13.3	2.48
K292739		0.76	8.65	0.165	2.27	5.3	55	6.9	8.7	3350	23.1	1.730
K292740		1.96	15.00	0.177	2.22	7.5	59	3.5	8.9	305	25.2	2.93
K292741		0.05	11.55	0.181	2.88	4.9	53	3.5	11.8	8660	26.0	0.391
K292742		<0.05	6.44	0.151	2.23	3.9	41	3.4	7.7	>10000	19.5	3.63
K292743		0.05	8.58	0.144	2.08	4.7	45	2.8	9.6	>10000	17.8	1.965
K292744		0.54	1.99	0.179	8.34	2.4	124	8.5	13.4	>10000	13.6	>10.0
K292745		0.06	7.15	0.120	2.30	7.5	36	5.3	9.4	>10000	17.1	2.46
K292746		0.57	12.70	0.159	3.31	3.0	63	2.7	10.4	1340	24.2	0.304
K292747		<0.05	8.55	0.188	3.30	2.4	60	3.2	6.4	>10000	17.7	0.893
K292748		1.13	3.57	0.103	1.99	2.7	30	5.2	6.4	8590	12.5	0.551
K292749		<0.05	0.21	<0.005	0.02	0.5	2	0.1	0.8	66	<0.5	<0.005
K292750		0.21	11.05	0.170	2.74	2.5	47	3.5	7.1	>10000	28.0	>10.0
K292751		0.16	9.03	0.145	2.40	5.2	42	5.1	9.8	>10000	25.6	>10.0
K292752		0.30	4.82	0.353	2.65	1.8	126	5.9	13.3	6200	15.9	3.58
K292753		0.13	3.93	0.446	2.14	1.7	163	4.7	19.3	980	14.9	0.555
K292754		<0.05	4.23	0.416	3.29	3.3	160	4.7	18.7	985	12.9	0.548
K292755		0.08	3.88	0.306	2.33	3.5	131	3.6	13.6	4250	11.1	2.14
K292756		0.62	9.49	0.168	2.26	2.5	47	4.8	9.2	>10000	25.4	3.04
K292757		0.61	9.37	0.172	1.58	4.3	47	2.9	9.6	9390	58.3	4.63
K292758		0.23	7.40	0.155	2.25	2.0	44	2.0	7.3	>10000	23.2	2.24
K292759		1.06	7.88	0.123	1.95	3.2	39	3.0	7.7	>10000	20.6	5.42
K292760		1.19	7.20	0.115	1.87	2.8	38	2.8	7.4	>10000	18.3	6.40
K292761		1.20	8.41	0.134	2.18	3.6	43	3.9	8.3	5670	20.9	8.00
K292762		0.74	7.82	0.196	2.12	4.9	63	2.6	11.1	1440	23.4	>10.0
K292763		0.21	12.45	0.196	3.06	7.8	59	3.9	10.4	1940	26.2	0.342
K292764		0.84	8.64	0.180	2.49	5.8	50	3.9	10.9	>10000	35.1	3.09

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121836

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
CRU-31	CRU-QC	Cu-OG62	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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Finalized Date: 23-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121837

Project: Klaza

P.O. No.: Batch 46

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

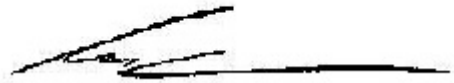
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121837

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047317		11.80	1.02	7.79	14.8	1760	1.62	0.59	2.60	0.61	48.5	18.0	26	7.91	978	4.84
S047318		10.86	0.70	7.54	12.2	1660	1.67	0.58	2.43	0.52	52.4	18.9	21	7.80	761	5.59
S047319		11.22	0.90	7.72	9.7	1640	1.75	0.44	2.75	0.33	43.8	17.0	21	8.26	884	4.67
S047320		4.26	1.09	6.75	8.4	100	1.43	0.79	3.15	0.37	40.8	20.2	17	7.41	865	7.26
S047321		6.70	1.35	7.04	52.9	260	1.36	1.36	5.38	0.52	49.0	16.7	13	19.25	612	5.48
S047322		5.00	0.07	0.08	10.9	30	0.08	0.04	21.2	0.10	1.67	0.6	1	0.23	6.8	0.46
S047323		7.70	0.56	7.87	16.7	2170	1.44	0.41	3.11	0.26	48.3	19.4	21	6.86	629	5.08
S047324		6.08	0.67	7.96	8.5	1850	1.49	0.60	2.75	0.19	54.4	17.3	22	6.51	796	4.86
S047325		10.34	0.69	7.86	7.0	1490	1.49	0.59	2.60	0.25	49.7	16.6	18	5.85	835	4.96
S047326		6.60	1.02	7.46	6.5	1120	1.23	0.60	3.83	0.51	78.5	16.7	18	7.73	1510	4.32
S047327		0.36	4.65	6.88	748	500	1.39	3.42	2.14	10.75	49.1	13.1	27	13.85	324	5.10
S047328		7.64	0.74	7.96	8.3	1950	1.59	0.50	2.70	6.36	51.9	13.9	24	13.90	684	4.05
S047329		11.62	0.56	7.87	9.0	2100	1.48	0.28	3.19	0.37	41.8	13.7	22	7.30	576	3.98
S047330		12.30	1.17	7.48	21.0	1520	1.39	0.90	3.50	1.64	48.4	15.7	22	8.17	774	4.12
S047331		10.76	0.70	7.51	13.6	2120	1.51	0.40	2.89	0.54	43.5	14.8	25	8.30	845	4.40
S047332		<0.02	0.74	8.37	13.5	2270	1.55	0.46	3.17	0.35	49.8	14.0	20	9.19	838	4.60
S047333		6.56	0.42	7.97	15.4	2360	1.56	0.22	3.47	0.16	41.4	11.9	18	14.00	481	4.57
S047334		9.42	1.57	6.98	35.7	1520	0.99	1.00	5.46	1.99	47.3	21.0	16	11.25	1385	4.10
S047335		7.06	1.00	7.62	11.0	2030	1.39	0.64	3.44	0.26	51.8	13.8	19	12.65	842	4.35
S047336		7.04	1.44	7.52	15.8	800	1.24	0.72	3.30	1.70	50.5	16.4	20	9.47	1425	4.10
S047337		7.48	1.06	7.77	9.7	2060	1.59	0.98	2.84	2.92	51.6	15.1	22	9.14	781	4.75
S047338		0.44	11.45	6.39	1575	160	1.25	11.65	1.88	32.2	42.6	17.6	18	13.55	275	6.45
S047339		7.08	0.81	7.96	9.3	2090	1.51	0.48	2.59	0.76	48.3	15.2	19	7.58	755	4.22
S047340		7.66	0.76	7.83	10.4	2180	1.55	0.76	2.57	0.39	48.3	15.7	24	6.64	687	4.03
S047341		7.12	0.65	7.75	10.7	1960	1.49	0.46	3.14	0.23	47.6	16.3	18	11.40	610	4.30
S047342		7.82	0.50	7.61	9.8	2120	1.43	0.35	2.82	0.19	43.8	13.8	20	6.43	461	4.19
S047343		3.36	0.50	7.87	8.8	2150	1.42	0.35	2.79	0.24	43.2	13.7	18	6.46	457	4.24
S047344		7.02	0.73	7.76	14.6	2110	1.40	0.59	3.41	0.24	48.9	15.1	20	8.42	677	4.22
S047345		7.46	0.58	8.07	17.1	2590	1.46	0.47	3.43	0.23	47.6	14.6	22	8.71	503	4.31
S047346		5.50	1.52	7.37	108.5	560	1.31	1.53	3.25	0.97	42.2	16.8	18	9.35	820	4.18
S047347		6.14	0.02	0.06	0.3	30	0.05	0.05	20.3	0.07	1.08	0.8	1	0.31	4.0	0.46
S047348		5.80	3.23	7.81	266	490	1.43	8.23	2.05	10.35	67.0	9.5	17	8.56	290	3.20
S047349		4.04	1.19	7.22	125.0	440	1.55	1.95	2.98	8.73	61.2	5.5	15	4.51	46.0	2.23
S047350		7.70	1.52	7.14	104.0	720	1.57	2.34	2.95	13.85	57.0	6.3	15	6.75	26.9	2.34
S047351		6.62	1.40	7.07	98.4	1570	1.72	2.05	2.83	12.50	57.0	6.2	16	4.85	69.8	2.10
S047352		3.66	0.88	6.91	101.5	740	1.44	0.83	3.45	8.73	56.7	8.2	20	5.19	104.5	2.72

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121837

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047317		18.60	0.08	0.5	0.103	2.88	24.4	16.0	1.99	239	37.2	1.76	7.9	9.2	1280	32.7
S047318		18.00	0.08	0.6	0.074	2.84	25.9	15.8	2.13	231	20.9	1.66	9.3	11.0	1380	22.2
S047319		19.05	0.07	0.5	0.089	2.72	21.7	17.8	2.03	280	37.3	1.72	8.0	10.9	1350	18.5
S047320		16.25	0.09	0.4	0.079	2.66	19.2	17.6	1.33	359	27.8	1.39	6.2	11.1	1170	24.7
S047321		16.85	0.09	0.4	0.088	3.41	25.4	7.2	1.18	1480	27.9	0.28	5.9	8.2	1110	100.5
S047322		0.30	<0.05	<0.1	<0.005	0.03	0.8	0.5	13.05	202	0.25	0.01	0.3	1.2	190	10.3
S047323		18.60	0.08	0.5	0.090	2.85	24.0	15.2	2.02	256	12.65	1.82	8.1	10.0	1350	20.0
S047324		18.10	0.09	0.5	0.082	2.61	28.4	13.1	2.00	201	24.6	1.86	7.5	9.5	1290	18.5
S047325		18.25	0.08	0.5	0.079	3.10	25.2	12.4	1.80	179	25.2	1.89	8.2	9.4	1260	17.3
S047326		17.15	0.10	0.4	0.120	3.68	41.4	15.1	1.75	214	66.1	1.64	7.3	8.7	1190	16.9
S047327		16.10	0.08	1.1	0.308	3.08	27.6	25.9	0.78	1940	17.60	0.15	6.7	14.8	540	497
S047328		19.20	0.08	0.5	0.067	2.83	26.6	17.8	2.01	261	39.9	1.87	8.6	9.9	1300	251
S047329		18.45	0.08	0.5	0.086	2.53	20.7	15.7	1.78	409	23.2	2.14	8.8	9.1	1250	40.0
S047330		17.50	0.08	0.6	0.154	2.86	24.5	18.4	1.48	603	43.8	1.54	7.7	8.9	1180	40.4
S047331		17.30	0.07	0.5	0.077	2.69	21.0	16.4	1.39	247	45.4	1.40	8.1	8.7	1190	23.1
S047332		17.20	0.14	0.5	0.086	2.93	25.3	16.3	1.55	265	52.3	1.50	7.9	9.0	1250	23.0
S047333		17.00	0.11	0.5	0.074	2.79	20.6	15.8	1.10	258	35.1	1.39	8.2	8.8	1230	12.8
S047334		15.50	0.13	0.4	0.168	2.32	25.1	18.7	1.10	389	152.5	0.22	6.6	9.0	1060	108.0
S047335		16.95	0.13	0.5	0.098	2.78	25.8	19.4	1.48	370	67.4	1.16	7.5	9.1	1210	43.1
S047336		15.70	0.17	0.5	0.149	3.72	26.4	17.1	1.31	429	65.9	0.97	6.4	8.0	1120	102.5
S047337		17.90	0.13	0.5	0.127	3.06	25.3	20.1	1.93	330	26.5	1.46	7.7	8.6	1250	137.5
S047338		14.80	0.12	1.0	0.788	2.86	21.3	18.4	0.74	1770	8.83	0.12	6.2	11.8	520	1285
S047339		17.85	0.15	0.5	0.084	2.88	24.0	16.0	1.90	270	52.9	1.82	8.0	8.4	1200	64.7
S047340		17.25	0.14	0.5	0.096	2.94	23.8	15.1	1.70	329	22.0	1.80	8.2	7.8	1100	34.4
S047341		16.75	0.14	0.5	0.076	2.82	24.2	16.4	1.74	367	103.0	1.61	8.0	7.8	1200	21.3
S047342		17.15	0.11	0.5	0.067	2.84	21.6	13.7	1.89	306	43.9	1.83	8.0	7.8	1230	17.4
S047343		17.15	0.13	0.5	0.063	2.89	20.5	13.2	1.92	301	41.0	1.91	7.8	7.8	1240	16.1
S047344		16.90	0.14	0.5	0.079	2.66	24.8	17.1	1.75	465	23.9	1.64	7.6	7.8	1200	19.8
S047345		16.75	0.12	0.5	0.076	2.67	23.8	18.1	1.77	394	28.9	1.80	7.8	7.8	1200	34.4
S047346		15.95	0.14	0.5	0.124	2.67	21.1	21.7	1.56	685	23.0	1.21	7.1	7.4	1130	81.9
S047347		0.25	0.09	<0.1	<0.005	0.03	0.5	1.1	12.60	198	0.24	0.01	0.2	1.5	150	1.8
S047348		19.15	0.15	3.1	0.178	3.15	36.4	24.0	0.93	525	56.3	0.06	8.4	6.8	1120	537
S047349		17.80	0.15	3.4	0.147	2.51	32.1	37.2	0.98	922	2.81	0.20	10.3	5.4	950	426
S047350		19.05	0.14	3.5	0.215	3.16	29.1	27.5	0.67	667	6.22	0.47	10.9	5.8	960	647
S047351		18.80	0.16	3.7	0.167	2.99	29.0	17.1	0.72	921	2.73	1.14	11.0	5.9	990	549
S047352		16.70	0.17	3.5	0.195	2.77	28.2	10.7	1.26	1260	10.60	1.57	10.3	7.4	1220	380

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121837

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047317		105.0	0.023	1.07	1.62	18.3	2	3.6	717	0.47	0.07	9.78	0.417	1.61	3.0	162
S047318		96.8	0.011	1.88	1.63	19.1	3	3.8	520	0.59	0.06	11.05	0.468	1.49	3.6	180
S047319		94.3	0.014	1.14	1.75	18.0	2	3.5	457	0.50	0.06	9.45	0.445	1.70	3.3	171
S047320		89.3	0.013	6.02	2.39	15.5	6	5.8	313	0.37	0.23	8.37	0.349	1.82	4.3	143
S047321		175.5	0.007	5.23	8.21	15.5	5	10.1	147.0	0.37	0.37	10.25	0.320	3.18	6.0	141
S047322		2.2	<0.002	0.01	0.20	0.3	<1	<0.2	50.4	<0.05	<0.05	0.21	<0.005	0.02	0.8	2
S047323		84.2	0.005	1.69	0.99	17.3	3	4.5	651	0.47	0.10	9.13	0.431	1.60	3.3	167
S047324		92.1	0.012	1.84	0.84	17.0	3	4.8	532	0.49	0.13	10.85	0.415	1.57	3.5	159
S047325		100.0	0.019	2.27	0.64	16.5	3	7.0	475	0.50	0.13	9.34	0.405	1.76	3.1	156
S047326		119.5	0.065	1.95	0.94	15.7	3	5.8	347	0.43	0.11	9.22	0.368	1.82	4.5	138
S047327		157.5	0.005	2.80	30.6	9.5	1	5.8	114.5	0.50	0.38	12.10	0.216	2.73	5.6	69
S047328		102.5	0.037	0.84	1.58	17.2	2	3.6	388	0.49	0.11	9.86	0.417	1.55	3.7	156
S047329		80.1	0.012	0.79	2.40	16.8	1	3.2	536	0.53	0.06	9.63	0.421	1.43	3.8	151
S047330		112.0	0.014	2.08	4.16	15.9	2	4.3	1205	0.46	0.15	10.20	0.385	1.83	4.7	145
S047331		93.5	0.020	1.15	3.29	16.6	2	3.4	1385	0.50	0.10	9.59	0.400	1.41	5.3	149
S047332		114.5	0.022	1.11	3.50	17.3	2	3.6	1590	0.55	0.10	10.80	0.422	1.39	5.5	159
S047333		91.5	0.019	0.52	2.86	16.9	1	3.0	393	0.56	<0.05	9.50	0.418	1.39	4.2	155
S047334		72.0	0.050	1.78	6.08	14.0	2	4.7	159.5	0.48	0.09	9.60	0.351	1.18	3.3	132
S047335		94.2	0.032	1.13	3.50	16.6	2	3.2	308	0.53	0.12	9.81	0.403	1.37	3.3	156
S047336		130.0	0.055	2.27	3.58	15.4	3	5.5	277	0.43	0.22	9.39	0.346	1.94	3.2	142
S047337		91.5	0.014	1.65	2.50	16.5	2	6.0	463	0.52	0.17	9.44	0.404	1.81	3.5	159
S047338		147.5	0.003	4.59	61.2	9.0	2	7.5	93.6	0.51	1.10	10.15	0.203	2.65	5.1	63
S047339		95.7	0.022	1.09	3.33	16.6	2	2.9	462	0.53	0.08	9.62	0.397	1.53	3.0	153
S047340		93.4	0.008	1.44	3.34	15.5	2	2.6	990	0.57	0.13	10.50	0.373	1.54	3.6	139
S047341		102.5	0.053	1.62	2.49	17.1	2	3.4	452	0.54	0.11	10.55	0.399	1.54	3.5	155
S047342		83.1	0.014	1.05	1.99	16.3	3	2.9	673	0.52	0.07	9.22	0.407	1.42	3.6	154
S047343		82.1	0.014	1.05	1.87	16.3	2	2.9	775	0.54	0.08	9.13	0.416	1.46	3.5	159
S047344		94.0	0.016	1.47	2.55	16.3	3	3.3	548	0.53	0.17	11.30	0.396	1.52	3.7	152
S047345		88.2	0.015	1.08	2.70	16.7	2	2.9	644	0.55	0.13	10.70	0.415	1.53	4.1	159
S047346		88.2	0.006	2.40	4.54	15.0	3	4.3	558	0.48	0.30	8.61	0.373	1.83	4.2	143
S047347		1.9	<0.002	<0.01	0.05	0.2	1	0.2	48.3	<0.05	<0.05	0.08	<0.005	0.02	0.5	2
S047348		144.0	0.010	3.13	15.60	8.3	2	3.7	122.5	0.58	0.48	10.90	0.286	2.46	4.8	80
S047349		94.2	<0.002	1.81	5.56	4.7	1	1.1	152.5	0.76	0.58	9.70	0.275	1.99	4.4	49
S047350		110.5	0.002	2.09	7.84	4.8	1	1.7	138.0	0.78	0.42	9.57	0.275	2.56	4.5	53
S047351		113.0	<0.002	1.50	11.55	4.9	1	1.6	265	0.78	0.35	9.64	0.285	2.33	4.7	50
S047352		112.0	0.003	1.97	11.15	6.4	1	1.8	341	0.70	0.35	7.03	0.329	2.12	3.0	69

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16121837

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047317		2.7	18.7	72	11.1	0.073
S047318		3.8	21.7	69	13.3	0.046
S047319		2.2	18.2	65	11.7	0.056
S047320		4.6	14.8	93	9.1	0.047
S047321		14.0	14.5	132	9.3	0.070
S047322		0.1	0.9	25	<0.5	<0.005
S047323		2.6	17.6	62	10.4	0.051
S047324		2.9	19.6	48	11.1	0.091
S047325		3.1	19.8	48	10.2	0.062
S047326		4.0	27.5	54	9.0	0.112
S047327		5.7	12.2	914	32.7	0.364
S047328		3.1	18.7	319	10.7	0.064
S047329		2.4	17.9	89	10.8	0.045
S047330		5.1	16.9	202	15.1	0.057
S047331		2.3	16.6	81	9.7	0.051
S047332		2.6	18.1	74	9.0	0.052
S047333		2.5	15.8	45	9.3	0.030
S047334		4.4	16.8	135	9.1	0.085
S047335		2.3	15.9	95	8.5	0.050
S047336		6.3	15.1	119	9.3	0.083
S047337		4.1	16.3	224	9.6	0.040
S047338		5.8	11.3	2390	28.6	0.873
S047339		3.1	19.2	95	8.6	0.045
S047340		2.9	17.5	98	11.6	0.032
S047341		2.8	17.0	81	8.8	0.036
S047342		5.2	17.9	60	9.2	0.028
S047343		5.4	18.1	59	9.1	0.030
S047344		8.3	16.5	82	9.3	0.035
S047345		3.1	16.1	80	9.7	0.032
S047346		4.2	14.7	160	8.3	0.050
S047347		0.1	0.7	18	<0.5	<0.005
S047348		5.3	12.0	689	116.0	0.073
S047349		1.8	9.0	614	123.0	0.031
S047350		2.3	8.8	885	132.5	0.020
S047351		1.9	9.0	796	142.5	0.021
S047352		3.3	10.8	610	142.5	0.031

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 23-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121837

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	SPL-21	SPL-21d	WEI-21

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121838

Project: Klaza

P.O. No.: Batch 48

This report is for 35 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

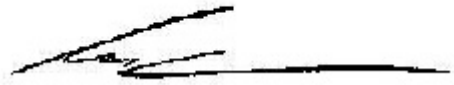
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121838

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047353		5.26			0.65	7.27	45.0	1390	1.46	0.90	3.50	0.66	43.1	12.2	20	6.50
S047354		7.52			0.58	7.32	12.7	2180	1.43	0.55	3.01	0.21	36.5	12.9	20	6.49
S047355		4.08			1.45	6.80	88.7	1330	1.37	2.04	6.24	2.30	45.3	11.7	11	10.65
S047356		4.90			0.24	7.03	32.8	2050	1.68	0.50	2.83	0.27	51.5	6.5	20	4.78
S047357		4.96			0.73	6.94	75.1	1910	1.85	1.12	2.69	5.83	49.2	6.0	18	5.89
S047358		0.62			10.80	6.59	1505	1000	1.30	10.85	1.87	29.9	43.3	16.6	19	13.70
S047359		7.30			0.95	7.12	51.2	730	1.49	0.66	4.39	2.24	42.2	12.3	19	15.40
S047360		8.12			0.52	7.66	6.5	2950	1.60	0.28	2.67	0.19	37.5	12.1	17	10.80
S047361		6.92			1.51	7.49	5.6	1590	1.61	0.40	3.20	0.33	35.8	11.5	17	11.40
S047362		5.70			2.26	6.89	62.1	390	1.01	0.81	3.40	0.36	59.0	42.7	14	9.74
S047363		6.20			0.02	0.06	<0.2	20	0.07	0.01	22.5	0.06	1.64	0.9	<1	0.21
S047364		4.68			0.87	6.77	114.5	540	1.91	0.99	4.14	0.30	50.1	9.8	13	54.3
S047365		6.72			0.64	6.88	41.6	730	1.38	1.20	3.18	0.19	57.0	5.6	17	5.95
S047366		7.20			0.60	6.97	36.6	650	1.57	1.37	2.25	0.15	58.6	6.0	17	10.50
S047367		2.74			0.40	7.39	108.5	610	1.44	0.39	4.51	0.11	47.7	12.5	17	9.21
S047368		<0.02			0.45	7.69	114.0	620	1.40	0.39	4.58	0.14	50.4	13.4	18	9.73
S047369		4.64			0.84	7.26	189.0	1290	1.29	0.78	3.88	0.16	44.6	13.2	16	8.76
S047370		5.76			2.32	7.16	126.0	210	1.37	1.98	4.24	0.47	47.5	22.9	20	12.30
S047371		4.56			0.65	7.40	10.3	1110	1.36	0.56	3.03	0.16	38.9	15.8	19	8.40
S047372		4.68			0.59	7.80	4.7	1920	1.39	0.58	3.25	0.10	44.1	19.1	16	9.95
S047373		7.10			0.58	7.48	11.6	2580	1.30	0.60	3.43	0.10	40.1	12.8	18	6.45
S047374		1.60			0.06	6.86	13.5	1890	1.17	0.14	1.81	0.16	26.5	9.2	11	24.8
S047375		1.34			0.08	7.18	18.1	1970	1.47	0.15	1.43	0.60	32.1	5.2	11	20.4
S047376		1.30			4.89	5.84	608	1710	1.28	2.33	1.57	78.2	31.8	9.0	11	10.80
S047377		5.12			0.01	0.07	1.0	40	0.05	0.03	22.3	0.13	1.30	0.7	1	0.21
S047378		2.08			0.34	7.41	52.5	1730	1.44	0.26	1.38	1.53	37.4	6.3	12	17.20
S047379		2.24			0.08	7.62	20.3	2480	1.61	0.15	1.91	0.14	46.3	6.1	11	19.25
S047380		5.44			0.15	7.56	12.5	2290	1.49	0.20	2.11	0.55	45.0	6.8	11	16.70
S047381		0.36	114	1.560	>100	5.43	5330	1120	1.09	60.9	1.92	223	33.0	9.3	21	11.00
S047382		1.60			1.08	7.32	172.5	1560	1.51	0.18	1.44	4.21	49.7	5.6	19	25.9
S047383		2.54			3.95	7.27	320	1220	1.46	0.66	2.39	28.7	45.9	8.7	15	19.05
S047384		2.96			0.33	7.22	26.9	1910	1.51	0.14	2.08	0.31	47.8	7.4	18	18.75
S047385		1.42			0.26	7.37	21.6	1410	1.48	0.14	2.09	0.30	47.2	6.8	15	18.35
S047386		4.18			1.66	8.32	87.5	1250	1.47	1.03	1.79	11.10	55.5	7.4	21	18.20
S047387		2.84			9.62	6.78	337	980	1.44	8.43	2.14	14.15	43.7	8.2	17	15.30

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121838

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047353		372	3.72	16.10	0.12	0.7	0.097	2.69	22.3	22.4	1.48	976	43.0	1.34	7.2	8.1
S047354		403	4.08	16.90	0.11	0.6	0.049	2.58	17.9	21.0	1.90	454	16.25	1.83	7.4	7.9
S047355		575	4.38	14.75	0.10	0.5	0.127	2.73	23.2	25.6	2.24	3760	18.75	0.39	6.1	6.7
S047356		98.2	2.51	17.25	0.11	3.2	0.061	2.82	26.6	12.0	0.94	1300	3.71	1.98	10.2	6.6
S047357		72.4	2.36	17.75	0.12	3.0	0.114	2.81	25.9	16.5	0.76	1130	3.47	1.84	10.3	6.2
S047358		284	6.55	14.20	0.10	1.0	0.725	2.87	24.2	19.7	0.75	1790	9.44	0.13	6.2	12.3
S047359		695	3.97	14.85	0.10	0.5	0.050	3.08	22.2	22.8	1.18	1010	55.5	0.65	7.5	6.8
S047360		672	3.75	16.20	0.09	0.5	0.044	2.84	19.3	21.6	1.85	213	47.7	1.61	8.0	6.8
S047361		2220	3.36	16.10	0.11	0.5	0.095	2.68	19.1	22.1	1.52	216	210	1.38	6.9	7.3
S047362		2770	7.24	12.65	0.14	0.4	0.161	4.24	32.2	14.9	0.99	323	764	0.29	5.4	8.4
S047363		24.7	0.47	0.28	0.07	<0.1	<0.005	0.02	0.8	1.1	12.95	208	6.66	0.01	0.2	1.3
S047364		403	3.61	13.85	0.11	1.3	0.051	2.01	29.3	24.7	1.47	675	48.0	0.04	6.8	6.5
S047365		63.5	2.42	16.80	0.12	2.9	0.056	2.46	31.5	51.2	1.11	910	3.98	0.09	9.5	5.6
S047366		41.4	2.44	16.70	0.12	2.9	0.050	2.31	33.2	45.4	0.96	653	4.37	0.09	9.6	6.4
S047367		360	3.12	16.25	0.11	1.1	0.057	2.11	25.3	53.9	1.41	972	21.1	0.04	7.7	7.0
S047368		353	3.22	16.80	0.11	1.1	0.066	2.19	27.3	54.7	1.46	998	21.0	0.04	8.0	7.3
S047369		613	3.76	15.45	0.12	0.5	0.079	2.83	23.8	35.3	1.28	904	149.0	0.13	7.1	7.2
S047370		1455	5.44	16.05	0.12	0.6	0.150	3.30	24.9	24.5	1.49	1200	36.7	0.32	5.7	8.1
S047371		738	4.66	16.25	0.10	0.5	0.085	2.82	20.1	20.8	1.76	320	37.5	1.25	6.5	8.6
S047372		645	4.73	16.75	0.12	0.5	0.080	2.39	23.6	18.6	1.90	302	44.1	1.55	7.2	8.5
S047373		514	3.88	16.30	0.10	0.5	0.060	2.40	20.4	20.2	1.45	496	69.2	1.08	7.5	7.3
S047374		13.4	3.27	16.45	0.08	1.2	0.040	2.67	13.7	107.0	0.33	641	1.61	0.11	8.4	2.4
S047375		7.4	2.83	15.60	0.09	1.1	0.028	2.49	16.8	217	0.38	619	1.33	0.09	7.8	2.5
S047376		139.5	4.56	12.15	0.07	0.8	0.267	2.69	17.4	29.6	0.58	2040	3.72	0.03	5.6	2.5
S047377		2.6	0.46	0.25	0.10	<0.1	<0.005	0.03	0.7	1.3	12.90	203	0.14	<0.01	0.2	1.4
S047378		14.2	2.70	15.30	0.12	1.1	0.059	2.49	19.8	151.0	0.45	1120	1.93	0.10	7.6	2.4
S047379		15.2	2.69	16.65	0.11	1.2	0.045	2.98	24.4	17.2	0.33	355	1.43	1.69	8.3	2.8
S047380		9.4	2.89	16.75	0.12	1.1	0.050	2.93	23.2	21.7	0.57	461	1.24	1.61	8.7	2.6
S047381		1245	8.06	12.80	0.10	1.0	4.53	2.28	16.7	30.0	0.63	3010	14.55	0.08	5.5	13.9
S047382		15.9	3.46	16.80	0.12	1.1	0.049	2.89	25.5	86.7	0.36	1080	2.57	0.09	8.4	2.4
S047383		138.0	3.69	14.90	0.15	1.0	0.165	3.09	25.0	30.3	0.83	1820	3.07	0.03	6.9	2.4
S047384		13.0	2.77	16.05	0.13	1.0	0.032	2.88	24.6	127.5	0.68	1050	1.64	0.07	7.9	2.5
S047385		11.9	2.78	15.65	0.12	0.9	0.032	2.87	25.2	127.0	0.70	1040	1.38	0.07	7.6	2.3
S047386		49.4	4.24	16.70	0.14	1.1	0.236	3.19	29.4	71.1	0.75	1870	1.47	0.06	8.1	2.5
S047387		293	4.11	14.45	0.11	0.9	0.258	3.01	22.9	19.4	0.76	1860	1.91	0.02	7.1	2.5

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Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121838

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047353		1230	101.0	85.4	0.014	1.97	4.23	16.2	2	3.5	454	0.51	0.17	9.46	0.414	1.53
S047354		1290	29.5	65.7	0.006	0.63	2.09	16.7	1	2.7	777	0.56	<0.05	9.88	0.428	1.34
S047355		1090	103.0	116.0	0.006	2.44	7.47	14.9	2	4.7	560	0.45	0.16	10.40	0.355	2.15
S047356		1090	32.0	104.0	<0.002	1.20	9.63	6.8	1	1.5	580	0.72	0.20	9.15	0.320	1.81
S047357		1050	280	103.5	<0.002	1.46	10.80	5.4	1	1.6	300	0.73	0.27	8.49	0.298	1.81
S047358		550	1295	169.0	<0.002	4.64	58.8	9.5	1	7.1	95.3	0.51	1.01	10.70	0.211	2.29
S047359		1100	131.0	107.0	0.025	2.39	5.22	14.7	2	4.2	257	0.51	0.14	8.97	0.375	2.01
S047360		1250	13.2	85.8	0.018	1.11	1.71	16.0	2	3.3	985	0.57	<0.05	9.26	0.414	1.46
S047361		1290	12.4	83.1	0.248	1.30	2.52	17.2	2	4.5	294	0.48	0.05	9.41	0.398	1.45
S047362		1030	16.3	144.0	0.235	6.11	10.60	14.0	8	6.8	204	0.36	0.18	8.59	0.294	1.95
S047363		180	1.5	2.2	<0.002	<0.01	0.15	0.3	<1	<0.2	52.4	<0.05	<0.05	0.14	<0.005	0.02
S047364		940	38.7	127.5	0.019	1.80	39.2	11.2	2	2.6	115.5	0.47	0.16	9.88	0.310	1.83
S047365		970	96.6	96.5	<0.002	1.24	18.45	5.3	1	1.4	92.0	0.70	0.31	9.67	0.278	1.84
S047366		970	77.8	101.5	<0.002	1.40	17.40	5.6	1	2.1	95.0	0.69	0.28	9.97	0.277	1.70
S047367		1270	26.2	80.7	0.006	1.09	49.8	15.2	1	5.7	124.0	0.54	0.09	8.57	0.409	1.77
S047368		1310	28.5	89.4	0.005	1.14	52.1	16.3	2	4.0	126.5	0.55	0.10	9.44	0.409	1.80
S047369		1320	30.2	103.0	0.048	2.24	34.9	17.2	2	5.4	139.5	0.45	0.22	8.41	0.409	2.07
S047370		1250	94.2	146.5	0.020	4.68	12.15	17.0	4	8.8	205	0.40	0.39	7.77	0.375	2.57
S047371		1300	12.9	88.2	0.016	2.18	4.31	18.2	2	5.3	1260	0.45	0.10	8.48	0.392	1.61
S047372		1350	11.8	81.6	0.016	1.81	2.13	18.9	2	3.5	1990	0.48	0.10	9.25	0.435	1.44
S047373		1320	12.1	56.2	0.033	1.32	8.65	17.1	2	3.6	2400	0.54	0.12	8.56	0.439	1.33
S047374		720	15.8	95.6	<0.002	0.05	36.7	9.6	1	1.5	133.0	0.70	<0.05	8.40	0.288	1.24
S047375		630	16.2	98.5	<0.002	0.05	34.4	10.0	1	1.4	175.0	0.66	<0.05	9.92	0.260	1.20
S047376		440	1025	173.0	<0.002	3.03	58.0	8.8	1	2.2	83.6	0.47	0.09	9.26	0.182	2.26
S047377		190	2.2	1.5	<0.002	<0.01	0.16	0.2	<1	<0.2	51.1	<0.05	<0.05	0.11	<0.005	<0.02
S047378		560	61.6	117.5	<0.002	0.30	30.5	9.2	1	1.7	114.0	0.67	<0.05	12.00	0.238	1.64
S047379		630	17.9	119.5	0.003	0.03	10.95	9.9	1	1.9	257	0.65	<0.05	11.95	0.256	1.31
S047380		660	32.9	111.5	<0.002	0.11	6.54	9.9	1	1.9	265	0.69	<0.05	11.75	0.267	1.24
S047381		470	9640	128.5	0.004	7.09	219	7.2	1	8.8	122.0	0.43	0.52	8.03	0.181	2.17
S047382		630	320	137.0	<0.002	0.49	24.4	10.2	1	2.4	94.0	0.68	<0.05	12.50	0.243	2.02
S047383		540	656	168.0	0.002	1.46	44.8	9.0	1	2.8	67.6	0.57	<0.05	11.55	0.214	3.16
S047384		570	114.0	124.5	<0.002	0.34	27.4	9.3	1	1.6	141.5	0.63	<0.05	11.60	0.236	2.41
S047385		600	74.6	127.5	0.002	0.30	27.8	9.3	1	1.6	143.5	0.61	<0.05	11.45	0.236	2.26
S047386		630	330	156.5	<0.002	0.89	24.5	10.4	1	2.5	109.5	0.64	<0.05	13.90	0.254	2.56
S047387		510	850	172.5	0.002	2.68	73.4	9.1	1	3.6	53.1	0.57	0.09	11.15	0.211	2.98

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121838

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047353		3.4	156	3.7	15.7	199	16.6	0.040
S047354		3.6	161	3.2	16.7	101	10.3	0.022
S047355		3.4	130	5.2	16.8	333	8.9	0.085
S047356		4.0	65	1.6	9.9	99	120.5	0.015
S047357		3.5	55	1.7	8.5	472	109.0	0.022
S047358		5.0	61	6.1	12.0	2370	28.9	0.811
S047359		3.3	131	4.7	16.0	224	8.7	0.045
S047360		3.5	149	3.8	16.7	42	9.9	0.045
S047361		3.2	156	7.8	15.0	46	8.7	0.175
S047362		2.9	123	10.5	15.8	47	7.2	0.109
S047363		0.5	2	0.1	0.9	18	<0.5	<0.005
S047364		7.9	101	6.5	13.6	95	41.3	0.043
S047365		4.4	52	2.3	10.2	87	102.0	0.023
S047366		5.1	52	2.7	10.0	76	103.5	0.023
S047367		3.8	141	5.6	14.7	151	34.2	0.021
S047368		4.0	143	5.7	15.5	153	35.9	0.021
S047369		5.1	153	10.0	14.0	165	9.9	0.040
S047370		3.7	152	7.9	14.5	171	12.9	0.071
S047371		3.1	166	3.4	16.0	59	9.5	0.034
S047372		3.4	170	2.5	18.5	53	9.9	0.033
S047373		3.0	159	6.4	15.8	62	10.3	0.025
S047374		2.1	77	5.0	12.1	80	30.4	<0.005
S047375		4.4	66	3.3	12.7	111	26.8	<0.005
S047376		4.8	53	3.7	11.4	5160	20.3	0.133
S047377		0.6	2	0.1	0.9	22	<0.5	<0.005
S047378		4.0	61	3.7	13.9	197	27.6	<0.005
S047379		2.0	70	1.8	14.7	109	30.7	<0.005
S047380		2.6	71	3.8	14.5	107	28.6	0.034
S047381		5.0	52	4.6	8.4	>10000	32.9	4.39
S047382		3.2	67	5.0	17.1	653	31.0	0.016
S047383		5.4	60	4.4	14.0	2490	25.8	0.131
S047384		5.1	63	4.2	14.1	82	27.6	0.006
S047385		5.1	63	4.4	14.5	78	24.7	<0.005
S047386		4.8	72	6.2	14.3	1300	28.6	0.025
S047387		4.7	61	3.8	12.0	1220	25.6	0.119

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 24-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121838

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121839

Project: Klaza

P.O. No.: Batch 50

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

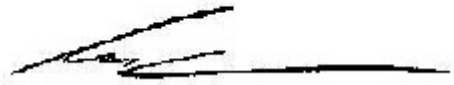
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121839

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
S047388		2.62				0.21	7.63	18.0	1060	1.53	0.22	1.58	0.45	48.9	6.4	12
S047389		1.64				62.6	4.39	9780	1000	0.89	8.70	0.22	123.5	22.2	8.3	11
S047390		1.38				0.38	7.57	72.1	1630	1.86	0.34	2.11	0.59	48.2	9.0	10
S047391		1.98				0.13	7.62	10.3	2220	1.77	0.27	2.58	0.32	48.8	5.9	9
S047392		1.78				0.47	7.64	174.0	2420	1.85	0.62	2.36	0.55	55.8	10.2	11
S047393		1.66				0.81	7.37	74.3	1830	1.42	0.27	1.62	1.98	47.5	7.2	9
S047394		3.54				9.27	7.01	268	920	1.74	5.58	2.42	46.2	52.0	13.1	10
S047395		5.98				0.04	0.07	0.7	30	0.10	0.06	21.0	0.13	1.12	0.6	1
S047396		1.58				2.29	7.25	83.3	890	1.87	0.66	2.85	18.60	49.2	9.3	8
S047397		1.36				0.16	7.25	12.4	2060	1.81	0.25	2.45	0.44	44.4	7.2	9
S047398		1.78				0.88	7.45	378	1470	1.90	0.46	2.54	0.64	46.3	8.4	10
S047399		1.54				0.18	7.44	34.2	2280	2.04	0.26	2.41	0.27	44.0	7.7	10
S047400		0.86				0.18	7.48	35.1	2850	1.93	0.27	2.49	0.26	48.3	7.9	10
S047401		1.24				14.50	6.44	623	1790	1.64	11.10	1.15	20.6	39.0	7.7	8
S047402		1.52				0.42	7.35	98.3	1290	2.37	0.26	2.71	1.86	58.2	7.8	19
S047403		2.14				0.27	7.17	32.5	1070	2.44	0.16	3.83	0.29	52.8	7.0	13
S047404		0.34	119		1.610	>100	5.50	8200	1190	1.29	59.8	2.02	232	35.1	10.3	19
S047405		2.44				2.51	6.59	583	1970	1.47	1.71	1.74	9.16	48.2	11.1	11
S047406		1.62				6.26	7.85	381	1460	1.91	6.31	1.81	9.09	52.4	9.8	11
S047407		2.28				0.62	7.28	46.0	1550	1.54	0.48	1.80	1.71	48.3	7.9	9
S047408		1.94				1.05	6.91	86.2	3520	1.89	0.82	2.05	1.83	65.5	7.8	19
S047409		3.02				3.59	6.86	237	900	1.53	1.64	2.41	4.68	39.8	10.4	8
S047410		1.70				10.55	6.33	599	480	1.73	8.60	3.20	22.1	48.1	12.7	8
S047411		6.12				0.04	0.09	1.2	50	0.09	0.06	22.2	0.10	1.71	0.6	1
S047412		1.64		1.095		35.0	7.27	598	590	1.27	24.7	1.80	48.8	78.1	25.3	10
S047413		1.46				1.41	7.51	34.2	1300	1.39	0.62	2.99	5.17	46.8	3.9	12
S047414		1.30				0.18	7.44	8.1	2060	1.50	0.32	2.67	0.24	48.4	5.4	12
S047415		0.30				4.59	7.01	741	870	1.46	3.78	2.16	11.05	50.0	13.4	25
S047416		4.76				0.43	7.88	10.3	2180	1.75	0.21	2.72	5.53	48.0	5.6	13
S047417		5.62				0.17	7.53	6.0	1770	1.60	0.29	3.00	0.11	49.9	6.4	13
S047418		<0.02				0.16	7.54	6.3	1800	1.70	0.34	3.06	0.11	49.0	6.5	12
S047419		1.78				1.04	7.78	46.4	540	1.35	1.34	2.99	0.74	52.2	14.0	25
S047420		1.40				4.02	7.83	241	490	1.24	3.45	1.07	8.42	56.8	22.7	27
S047421		2.06				5.75	7.20	427	450	1.26	8.15	2.02	8.91	51.3	31.4	24
S047422		1.72				0.35	7.25	11.3	1430	1.56	0.49	2.91	0.22	43.5	21.1	12
S047423		1.54				0.15	7.37	11.5	2260	1.75	0.36	2.62	0.19	45.4	8.0	11

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121839

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047388		22.2	9.0	2.76	16.40	0.12	1.0	0.036	1.48	25.4	265	0.57	922	1.36	0.02	7.8
S047389		6.63	2750	11.30	9.78	0.10	0.6	3.62	2.08	10.6	27.2	0.21	298	4.39	0.02	3.8
S047390		13.80	14.5	3.24	16.15	0.13	1.2	0.051	3.47	25.6	26.5	0.58	756	1.94	0.93	7.5
S047391		13.15	9.0	2.91	16.80	0.13	1.2	0.042	3.00	25.0	16.7	0.68	573	1.79	2.04	8.0
S047392		15.65	15.7	3.48	16.30	0.13	1.3	0.045	3.11	28.7	27.0	0.84	574	1.83	1.11	8.9
S047393		14.20	19.6	2.76	16.25	0.13	1.1	0.046	2.85	24.7	73.5	0.59	771	1.13	0.10	7.4
S047394		14.80	197.0	3.79	15.10	0.17	1.1	0.848	2.79	26.6	53.6	0.85	1410	5.69	0.15	6.6
S047395		0.21	2.6	0.49	0.20	0.11	<0.1	0.007	0.03	0.5	1.1	13.05	227	0.08	<0.01	0.2
S047396		25.6	53.8	2.89	15.30	0.07	1.1	0.146	2.64	24.0	68.7	0.97	1180	1.71	0.05	8.2
S047397		16.60	20.5	2.75	15.55	0.07	1.1	0.041	3.10	21.8	62.3	0.58	494	1.06	1.47	8.3
S047398		15.85	36.7	2.78	16.00	0.06	1.1	0.039	3.61	23.0	17.4	0.79	1080	1.59	0.80	7.6
S047399		22.8	25.7	2.59	16.50	0.06	1.0	0.044	3.47	21.6	134.0	0.68	934	1.46	0.15	8.8
S047400		20.4	18.9	2.58	15.65	0.07	1.0	0.034	3.36	24.2	126.5	0.73	942	1.58	0.15	7.9
S047401		14.60	571	6.36	13.75	0.07	0.9	0.457	3.16	20.1	15.5	0.47	913	3.27	0.05	6.2
S047402		19.35	20.3	2.82	19.70	0.08	4.6	0.064	2.32	27.5	146.5	0.79	836	3.60	0.05	11.7
S047403		18.70	20.1	2.17	18.90	0.06	3.1	0.034	2.40	25.7	109.5	0.66	564	3.66	0.05	11.0
S047404		11.35	1260	8.31	12.70	0.05	1.1	4.80	2.37	18.3	32.3	0.65	3170	15.70	0.08	5.7
S047405		14.35	58.7	3.06	13.95	0.06	1.0	0.216	2.93	25.1	25.7	0.66	1420	5.15	0.03	7.1
S047406		25.9	165.0	3.73	17.20	0.08	1.3	0.347	3.03	26.3	50.8	0.78	1220	1.87	0.04	10.1
S047407		18.85	17.0	2.74	15.35	0.05	1.1	0.089	2.16	24.3	98.2	0.69	889	0.87	0.04	8.5
S047408		21.8	34.3	2.85	15.95	0.07	3.4	0.099	2.20	33.8	78.6	0.84	787	1.20	0.03	9.5
S047409		21.5	237	3.62	14.60	0.05	1.2	0.360	2.81	19.0	19.2	0.82	2840	2.54	0.04	7.6
S047410		17.40	361	4.80	13.75	0.06	1.4	0.975	2.40	24.4	34.7	1.12	3580	1.87	0.04	6.8
S047411		0.30	1.6	0.49	0.27	0.07	<0.1	0.008	0.04	0.8	1.3	13.65	219	0.25	<0.01	0.2
S047412		9.54	392	4.74	14.60	0.08	1.1	1.130	3.46	41.8	4.1	0.72	1470	0.79	0.03	7.3
S047413		13.90	18.1	3.18	15.80	0.06	1.1	0.114	3.37	23.1	28.2	0.88	1340	1.21	0.17	8.3
S047414		10.15	2.1	2.96	15.65	0.05	1.2	0.029	2.88	24.2	13.5	0.75	481	1.36	2.21	8.5
S047415		13.50	313	5.19	15.45	0.06	1.1	0.334	3.10	26.4	23.1	0.82	1970	14.60	0.16	6.6
S047416		12.05	17.7	3.13	16.15	0.06	1.2	0.103	2.95	24.1	14.0	0.80	624	1.57	2.26	8.7
S047417		9.59	2.0	2.96	16.10	0.06	1.1	0.076	2.66	24.4	14.6	0.80	807	1.12	1.89	8.2
S047418		10.00	2.0	3.05	16.80	0.06	1.1	0.078	2.70	24.0	15.1	0.80	817	0.91	1.95	8.6
S047419		8.31	4.6	5.13	17.85	0.07	2.2	0.142	3.50	18.9	29.1	1.36	2140	4.96	0.07	6.4
S047420		7.29	51.5	6.95	18.45	0.09	2.4	0.274	3.57	21.5	49.4	1.09	1340	0.65	0.06	6.0
S047421		7.18	26.7	7.56	17.25	0.08	2.1	0.348	3.38	19.4	38.9	1.11	1820	0.46	0.06	6.3
S047422		9.46	4.5	3.21	16.25	0.05	1.2	0.088	3.10	20.3	21.4	0.95	1140	1.16	1.13	7.6
S047423		13.20	10.5	2.88	16.15	0.07	1.2	0.041	3.08	22.0	10.0	0.69	562	1.47	2.12	8.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121839

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047388		4.6	630	26.0	71.9	<0.002	0.20	30.3	10.0	1	1.5	214	0.65	<0.05	13.10	0.253
S047389		2.1	290	3740	132.5	<0.002	>10.0	299	5.3	1	9.1	26.7	0.33	0.25	6.13	0.123
S047390		2.6	560	62.7	157.0	<0.002	1.29	5.10	9.7	1	2.0	190.5	0.63	0.05	12.70	0.237
S047391		2.6	560	23.8	116.0	<0.002	0.11	1.95	9.8	1	1.7	338	0.70	<0.05	13.50	0.237
S047392		3.0	710	42.4	118.5	<0.002	0.53	8.77	10.1	<1	1.9	210	0.76	<0.05	12.15	0.257
S047393		2.4	560	67.0	114.0	<0.002	0.53	20.9	9.8	1	2.0	92.2	0.65	<0.05	13.00	0.232
S047394		3.0	560	1380	158.5	<0.002	2.36	50.3	8.8	1	7.6	119.0	0.56	0.51	11.05	0.215
S047395		1.3	170	4.3	1.4	<0.002	0.01	0.13	0.2	<1	<0.2	50.9	<0.05	<0.05	0.10	<0.005
S047396		6.5	540	735	109.5	0.003	0.85	11.25	9.9	1	3.3	122.0	0.63	0.05	13.85	0.229
S047397		2.4	530	31.7	113.5	<0.002	0.16	8.01	9.2	<1	2.4	284	0.66	<0.05	13.85	0.227
S047398		2.3	500	40.2	153.5	<0.002	0.70	12.30	9.1	1	2.3	167.5	0.59	<0.05	15.00	0.212
S047399		1.8	610	15.8	123.5	<0.002	0.22	8.26	10.4	1	2.8	187.5	0.61	<0.05	12.80	0.257
S047400		2.0	590	15.6	126.5	<0.002	0.25	7.22	9.8	1	2.9	208	0.58	<0.05	13.45	0.239
S047401		2.2	430	1220	184.0	<0.002	6.10	57.9	8.4	<1	5.7	76.4	0.41	0.33	11.15	0.183
S047402		5.8	1260	118.5	62.1	<0.002	0.26	15.00	6.1	1	2.4	671	0.65	<0.05	8.47	0.355
S047403		4.5	960	21.4	69.4	<0.002	0.12	14.70	4.8	<1	2.4	334	0.70	<0.05	8.89	0.289
S047404		14.5	470	9750	138.0	0.002	7.27	230	7.8	1	8.9	127.5	0.38	0.47	9.49	0.188
S047405		3.1	500	410	173.0	<0.002	1.84	38.2	9.2	<1	4.5	75.4	0.50	0.06	13.05	0.209
S047406		2.6	600	275	157.5	<0.002	1.35	60.6	14.6	1	2.8	95.8	0.69	0.12	13.95	0.305
S047407		2.2	600	45.2	95.2	<0.002	0.32	31.0	10.5	1	1.8	108.5	0.63	<0.05	13.65	0.242
S047408		5.8	1060	85.0	103.0	<0.002	0.67	34.4	6.9	1	1.5	373	0.55	<0.05	10.15	0.297
S047409		2.5	550	271	140.0	<0.002	2.03	32.6	9.7	<1	3.1	231	0.55	0.06	11.85	0.229
S047410		2.9	510	740	149.0	<0.002	3.07	68.4	9.1	1	3.7	203	0.46	0.30	10.45	0.209
S047411		1.2	220	3.5	2.1	<0.002	<0.01	0.25	0.2	<1	<0.2	51.4	<0.05	<0.05	0.13	<0.005
S047412		2.2	540	>10000	217	0.002	4.20	32.1	8.9	1	6.4	41.8	0.54	0.57	14.95	0.220
S047413		1.6	590	529	148.5	<0.002	0.54	5.88	9.0	1	3.6	140.5	0.60	<0.05	13.25	0.241
S047414		2.1	570	30.4	103.0	<0.002	0.08	2.21	9.9	1	2.1	344	0.62	<0.05	13.30	0.247
S047415		14.9	550	494	163.0	0.005	2.83	29.2	9.2	1	5.9	113.5	0.48	0.33	12.20	0.210
S047416		2.1	600	187.0	118.0	<0.002	0.13	2.33	10.3	1	2.2	356	0.65	<0.05	14.60	0.254
S047417		2.1	620	19.0	112.5	<0.002	0.44	2.20	10.8	<1	2.6	283	0.58	<0.05	12.30	0.251
S047418		2.2	640	19.2	111.5	<0.002	0.41	2.25	11.1	1	2.8	288	0.62	<0.05	11.80	0.263
S047419		2.4	750	111.0	229	0.002	2.43	2.17	15.5	1	4.5	78.0	0.36	0.24	8.53	0.316
S047420		3.5	790	882	243	<0.002	4.20	6.72	14.9	1	4.9	62.7	0.35	0.37	8.18	0.304
S047421		3.6	740	710	217	<0.002	5.40	5.37	13.5	1	4.8	66.1	0.35	0.43	7.79	0.292
S047422		2.9	590	35.8	141.5	<0.002	1.16	2.59	10.0	1	2.6	230	0.59	0.09	12.85	0.240
S047423		2.4	570	23.3	115.5	<0.002	0.29	3.72	10.4	<1	1.8	349	0.64	<0.05	12.65	0.249

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121839

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047388		1.35	2.9	70	5.3	13.9	94	27.2	0.006
S047389		1.78	4.7	38	3.5	8.6	8130	14.5	4.03
S047390		2.18	3.8	64	3.4	13.6	93	30.8	0.012
S047391		1.25	2.9	64	3.5	16.6	81	29.9	0.022
S047392		1.49	3.8	70	2.3	16.8	79	36.6	0.017
S047393		1.59	4.6	64	2.7	14.6	173	28.7	0.017
S047394		2.32	6.7	55	3.2	12.3	3300	33.3	0.983
S047395		<0.02	0.7	2	0.1	0.7	24	<0.5	<0.005
S047396		2.01	5.9	64	3.0	14.7	1470	28.1	0.024
S047397		1.45	4.2	58	1.7	14.0	74	30.1	0.006
S047398		2.47	5.2	55	2.4	13.7	76	27.2	0.055
S047399		1.97	3.4	66	2.5	13.1	61	27.7	0.005
S047400		1.87	3.5	61	2.5	13.5	60	25.9	0.006
S047401		2.52	5.2	52	4.0	10.7	1960	25.2	1.405
S047402		1.13	5.5	61	1.6	9.7	226	187.5	0.022
S047403		1.08	5.2	48	1.6	8.4	101	114.0	0.006
S047404		2.37	5.4	54	4.6	9.5	>10000	34.6	4.58
S047405		2.99	5.5	61	6.4	10.6	914	26.9	0.118
S047406		2.92	9.5	97	6.1	14.9	666	35.1	0.334
S047407		1.96	5.1	68	4.6	12.8	159	30.7	0.029
S047408		1.65	8.6	60	2.7	12.0	191	138.5	0.050
S047409		3.04	5.2	61	4.0	12.7	433	32.1	0.151
S047410		2.29	4.5	60	3.6	13.4	1820	46.1	0.386
S047411		0.02	0.7	2	0.6	0.9	21	0.8	0.005
S047412		3.18	4.7	59	2.9	11.5	5150	28.2	0.972
S047413		2.65	4.7	66	2.4	14.4	613	31.9	0.030
S047414		1.23	3.9	67	0.9	16.7	52	32.7	<0.005
S047415		2.64	5.3	68	6.0	12.0	906	31.8	0.347
S047416		1.35	4.3	67	1.2	16.8	563	35.7	0.011
S047417		1.60	3.9	71	1.0	13.9	58	29.7	<0.005
S047418		1.75	3.9	73	0.9	14.1	58	30.0	<0.005
S047419		2.73	4.1	107	4.0	13.9	127	74.0	0.012
S047420		2.61	3.2	112	6.1	9.4	987	75.7	0.112
S047421		2.52	3.5	99	4.2	12.4	1120	82.9	0.900
S047422		2.10	3.5	67	2.2	13.9	53	32.7	0.005
S047423		1.50	3.5	66	3.2	14.8	49	33.7	0.005

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121839

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121840

Project: Klaza

P.O. No.: Batch 51

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

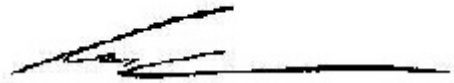
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121840

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047424		2.34			3.35	7.95	125.5	1290	2.11	5.61	2.51	9.64	57.5	10.6	11	30.8
S047425		4.50			0.51	6.89	40.7	1890	1.56	0.54	2.51	4.34	39.4	7.2	16	15.50
S047426		4.32			0.19	7.27	17.5	2370	1.72	0.17	2.88	0.50	42.7	8.5	18	15.85
S047427		1.52			2.20	7.11	163.0	1450	1.66	1.46	3.04	10.00	47.0	10.2	13	20.2
S047428		0.34	120	1.605	>100	5.46	8350	330	1.21	61.3	2.04	233	31.1	10.3	20	11.50
S047429		4.84			0.32	7.81	26.9	2190	1.60	0.18	2.80	0.97	47.3	7.8	15	12.50
S047430		3.38			10.55	6.48	921	920	1.19	14.30	1.20	34.9	35.3	9.3	14	13.25
S047431		6.02			0.04	0.08	1.4	30	0.06	0.06	21.3	0.13	1.59	0.7	2	0.36
S047432		2.40			1.64	7.53	236	1350	1.55	0.59	2.04	17.45	44.3	6.9	13	17.50
S047433		1.34			0.38	7.59	100.0	2260	1.57	0.38	2.87	4.11	42.2	7.3	14	13.20
S047434		4.04			0.10	7.75	10.7	2290	1.58	0.22	2.76	0.16	38.8	7.1	14	10.10
S047435		2.32			3.54	7.34	294	1570	1.45	0.92	2.99	8.93	43.4	11.3	16	16.95
S047436		1.64			0.08	7.74	8.2	2350	1.64	0.15	2.19	0.18	49.0	7.0	14	9.67
S047437		3.02			0.10	7.44	7.5	2160	1.59	0.25	2.67	0.17	42.9	6.0	16	10.20
S047438		1.42			0.50	7.70	106.0	1070	2.02	0.56	2.76	1.31	43.9	8.4	16	21.8
S047439		1.38			15.45	6.68	1715	1600	1.44	11.80	1.41	24.0	36.2	8.2	15	12.45
S047440		4.66			0.36	7.26	14.3	2360	1.63	0.39	2.88	0.56	40.1	9.2	18	10.95
S047441		<0.02			0.33	7.42	14.0	2360	1.57	0.32	2.91	0.58	43.6	9.3	14	11.30
S047442		2.02			15.85	7.33	716	1240	1.62	7.80	1.86	13.85	47.4	7.3	15	15.50
S047443		1.48			0.25	7.63	35.9	2090	1.80	0.41	2.59	1.25	46.4	8.2	14	19.35
S047444		1.40			0.09	7.21	7.7	2300	1.77	0.21	2.78	0.15	44.5	11.1	13	12.10
S047445		2.60			18.60	7.03	2320	1950	1.34	20.8	0.85	83.6	44.3	5.4	14	19.30
S047446		0.34			13.10	6.70	1645	300	1.58	13.90	1.98	33.7	39.3	18.7	20	13.50
S047447		1.26			0.17	7.20	182.0	1100	1.44	0.17	2.13	3.19	30.4	7.2	13	12.85
S047448		2.20			0.40	8.23	196.0	1230	1.61	0.16	0.84	1.59	48.7	5.9	14	19.50
S047449		1.42			0.35	8.68	141.5	850	1.46	0.26	0.84	10.35	53.8	5.7	12	19.65
S047450		3.38		1.200	94.0	6.95	6910	550	1.64	66.6	0.18	254	44.9	3.8	8	31.1
S047451		5.06			0.17	0.08	7.4	20	0.06	0.17	21.5	0.41	1.43	0.6	1	0.19
S047452		2.96			0.62	5.82	102.5	660	1.10	0.23	0.82	6.24	39.8	4.6	26	14.25
S047453		2.30			5.20	5.37	390	2500	1.22	0.96	1.00	30.2	41.1	4.6	7	36.8
S047454		5.14			2.24	7.76	311	700	1.66	0.38	1.60	10.85	46.6	4.6	15	14.00
S047455		2.90			0.60	7.32	269	470	1.46	0.15	1.69	3.61	39.8	4.8	12	15.15
S047456		2.40			0.33	7.37	363	460	1.47	0.22	1.65	4.05	40.5	4.2	17	12.90
S047457		6.62			1.68	7.59	462	830	1.69	1.01	1.60	13.60	42.8	4.7	12	27.8
S047458		5.90			0.69	8.22	394	2460	1.97	0.21	0.94	10.95	43.4	6.7	10	19.15
S047459		3.86			1.94	7.71	104.0	2000	1.65	2.18	2.43	16.45	48.8	6.9	12	19.65

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121840

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047424		101.0	3.52	18.05	0.06	2.6	0.289	3.07	29.8	92.7	0.96	837	2.32	0.05	9.6	3.9
S047425		31.7	3.15	15.30	0.06	1.1	0.101	3.15	18.8	24.6	0.72	937	1.90	1.31	7.6	2.3
S047426		13.5	3.01	16.30	0.06	1.1	0.047	3.19	20.0	17.0	0.67	712	2.06	1.87	8.7	2.6
S047427		77.3	3.04	15.35	0.05	1.4	0.362	3.26	24.1	44.2	1.01	1560	1.47	0.21	7.7	2.3
S047428		1280	8.45	12.90	0.05	1.1	4.93	2.37	15.0	28.9	0.65	3180	16.20	0.08	5.9	14.7
S047429		11.9	3.08	16.15	0.06	1.1	0.053	3.01	23.7	15.1	0.78	719	1.76	2.06	8.3	2.3
S047430		107.0	9.20	13.30	<0.05	0.9	0.692	2.88	16.8	27.8	0.50	1080	3.41	0.03	6.3	1.8
S047431		0.9	0.50	0.22	0.05	<0.1	0.007	0.03	0.8	1.2	13.10	228	0.07	<0.01	0.2	1.1
S047432		38.1	3.91	15.65	0.05	1.1	0.218	3.37	24.6	39.8	0.76	2850	3.08	0.05	8.0	8.8
S047433		26.7	3.11	15.75	0.07	1.1	0.258	3.58	22.3	11.7	0.66	748	2.35	1.25	8.2	3.8
S047434		16.1	3.02	17.00	0.06	1.1	0.040	3.06	19.9	16.2	0.79	580	2.32	1.73	8.8	3.2
S047435		249	3.37	14.85	0.05	1.0	0.177	3.25	25.5	28.7	0.92	1460	2.15	0.25	6.7	2.8
S047436		15.0	2.99	16.05	0.06	1.1	0.037	3.16	26.9	16.9	0.86	506	2.11	2.58	8.1	3.3
S047437		5.6	2.93	15.80	0.07	1.4	0.040	2.98	23.2	11.0	0.73	632	1.40	1.95	8.4	2.7
S047438		108.5	3.09	16.90	0.06	1.3	0.079	3.67	23.7	22.4	0.72	1380	1.46	0.42	8.7	3.2
S047439		216	5.82	14.10	0.06	1.0	0.570	3.21	19.1	21.5	0.53	1070	5.32	0.07	6.6	3.2
S047440		22.1	3.18	15.90	0.06	1.1	0.063	3.24	21.3	13.0	0.73	889	2.01	1.74	8.1	2.7
S047441		25.1	3.20	15.95	0.06	1.2	0.064	3.31	22.7	13.5	0.75	912	1.86	1.72	8.3	2.6
S047442		404	4.90	15.60	0.05	1.1	0.592	3.43	27.1	18.7	0.74	3040	1.99	0.09	7.4	2.7
S047443		8.8	3.63	15.95	0.07	1.2	0.112	3.51	25.5	57.4	0.72	1320	1.66	0.79	8.1	2.5
S047444		11.8	2.93	16.10	0.06	1.2	0.047	2.92	23.2	14.6	0.75	625	1.97	2.33	8.7	2.6
S047445		337	3.49	14.95	0.06	1.0	3.17	2.98	25.1	61.6	0.31	777	3.30	0.06	7.4	3.0
S047446		296	6.96	15.35	0.07	1.1	0.817	3.06	20.9	21.1	0.79	1940	9.34	0.14	6.9	13.2
S047447		9.8	3.46	16.30	0.05	1.4	0.050	1.21	15.4	210	0.45	1130	3.41	0.02	9.4	2.5
S047448		7.3	3.19	16.85	0.05	1.4	0.071	1.89	27.4	212	0.31	468	3.62	0.03	8.7	2.5
S047449		8.5	3.19	17.35	0.06	1.4	0.088	1.41	30.5	152.0	0.28	848	3.81	0.02	9.8	2.3
S047450		1740	4.30	16.25	0.05	0.9	15.00	2.77	25.0	30.4	0.24	315	5.67	0.02	7.2	1.5
S047451		4.3	0.48	0.23	0.06	<0.1	0.026	0.03	0.7	1.5	13.25	201	0.12	0.01	0.2	1.5
S047452		9.2	2.24	12.20	0.07	0.8	0.158	2.54	23.7	35.9	0.34	1170	6.79	0.02	5.8	2.0
S047453		42.7	2.65	11.20	0.05	1.0	0.356	1.89	24.2	37.7	0.26	1390	11.40	0.02	5.5	1.9
S047454		161.5	2.90	15.90	<0.05	1.0	0.200	2.37	26.2	260	0.64	1080	3.47	0.03	8.2	2.3
S047455		135.5	3.20	15.30	0.05	1.0	0.087	1.89	21.3	180.5	0.60	1320	2.64	0.03	7.8	2.4
S047456		40.0	3.15	14.90	<0.05	1.0	0.072	1.63	21.7	188.5	0.55	1360	3.38	0.02	7.7	2.2
S047457		102.5	3.26	16.65	0.05	1.1	0.215	2.95	23.0	79.3	0.58	1150	2.45	0.04	8.4	2.6
S047458		60.1	3.65	16.30	0.06	1.1	0.155	3.46	23.8	39.6	0.43	455	1.95	0.80	8.5	3.0
S047459		55.1	3.65	16.05	0.06	1.0	0.313	2.91	28.0	69.4	0.91	2490	2.15	0.04	7.8	2.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121840

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047424		680	236	145.0	<0.002	1.01	24.0	9.9	1	5.2	505	0.64	<0.05	12.55	0.281	2.45
S047425		560	78.5	121.0	<0.002	0.74	4.91	9.5	<1	2.7	280	0.55	<0.05	11.00	0.235	1.87
S047426		590	36.3	116.0	<0.002	0.16	3.99	10.6	1	2.4	340	0.61	<0.05	11.40	0.267	1.73
S047427		580	170.5	163.0	<0.002	0.94	11.70	9.9	1	2.7	168.5	0.55	0.06	12.25	0.232	2.68
S047428		480	9890	130.5	<0.002	7.31	230	7.6	1	8.9	124.0	0.41	0.50	8.54	0.187	2.43
S047429		620	79.7	119.0	<0.002	0.17	2.68	11.0	<1	2.1	357	0.58	<0.05	13.30	0.260	1.55
S047430		480	1240	162.5	<0.002	9.14	16.35	8.9	1	6.5	56.4	0.44	0.41	10.20	0.208	2.45
S047431		180	5.3	2.2	<0.002	0.02	0.10	0.2	1	<0.2	51.1	<0.05	<0.05	0.09	<0.005	0.02
S047432		580	709	152.5	0.002	1.57	12.55	10.3	<1	3.4	92.4	0.57	<0.05	12.85	0.247	3.27
S047433		630	96.3	139.0	<0.002	0.38	5.42	10.9	1	2.3	271	0.55	<0.05	12.25	0.263	2.26
S047434		630	22.1	104.0	<0.002	0.19	3.52	11.1	1	2.2	298	0.63	<0.05	11.90	0.264	1.59
S047435		510	437	187.0	<0.002	1.38	20.1	10.0	1	2.8	113.0	0.48	0.06	13.25	0.220	2.76
S047436		590	21.2	112.5	0.002	0.11	1.33	11.0	1	1.6	402	0.58	<0.05	13.45	0.246	1.31
S047437		570	22.2	120.5	<0.002	0.17	2.41	11.0	1	1.6	331	0.61	<0.05	13.10	0.246	1.54
S047438		620	69.0	179.0	<0.002	0.91	23.7	11.8	<1	1.6	156.5	0.68	0.07	13.05	0.274	3.48
S047439		480	1570	177.0	<0.002	5.24	58.2	9.5	1	5.6	68.1	0.47	0.32	11.15	0.199	2.89
S047440		620	64.3	124.5	<0.002	0.28	4.88	10.8	1	1.8	306	0.61	<0.05	12.20	0.249	2.10
S047441		660	64.9	132.5	<0.002	0.27	5.25	11.4	<1	1.9	304	0.60	<0.05	12.75	0.254	2.03
S047442		520	856	202	<0.002	2.37	73.4	10.7	1	4.4	75.0	0.56	0.09	13.90	0.222	3.40
S047443		580	33.0	150.5	<0.002	0.41	4.75	11.3	1	1.9	210	0.60	<0.05	14.10	0.243	2.47
S047444		590	20.8	97.3	<0.002	0.20	1.66	11.0	<1	1.8	445	0.64	0.05	11.65	0.250	1.23
S047445		500	1510	167.5	<0.002	1.33	84.5	10.6	<1	2.8	136.0	0.51	<0.05	12.60	0.216	2.43
S047446		560	1350	149.5	0.002	4.93	61.4	10.3	1	8.0	98.0	0.51	2.10	11.35	0.216	2.86
S047447		640	35.9	38.6	<0.002	0.05	20.7	11.3	1	1.7	204	0.69	<0.05	10.40	0.277	1.28
S047448		650	22.1	104.0	<0.002	0.14	25.4	12.2	<1	1.6	202	0.66	<0.05	15.25	0.261	1.63
S047449		660	112.0	87.4	<0.002	0.08	33.0	12.8	1	1.9	196.0	0.72	<0.05	16.35	0.286	1.44
S047450		380	9990	165.5	<0.002	2.50	330	11.2	1	8.6	83.5	0.51	0.11	13.50	0.221	3.75
S047451		200	20.1	1.5	<0.002	<0.01	0.67	0.2	<1	<0.2	49.7	<0.05	<0.05	0.13	<0.005	0.02
S047452		390	61.2	155.5	<0.002	0.28	70.7	7.5	<1	1.3	108.5	0.40	<0.05	11.20	0.180	3.09
S047453		570	1180	119.0	<0.002	0.25	81.3	7.1	<1	3.7	301	0.37	<0.05	10.30	0.173	2.71
S047454		630	145.0	122.0	<0.002	0.43	101.0	11.0	<1	2.8	151.5	0.54	<0.05	12.00	0.259	2.43
S047455		600	22.2	86.7	<0.002	0.19	84.4	10.9	<1	1.8	189.5	0.55	<0.05	11.75	0.249	2.05
S047456		620	30.4	75.7	<0.002	0.17	49.1	10.6	<1	1.8	216	0.53	<0.05	12.00	0.241	1.74
S047457		670	233	139.5	<0.002	0.53	41.7	11.5	<1	2.8	124.0	0.57	<0.05	11.60	0.267	3.17
S047458		650	158.0	147.0	<0.002	0.19	17.05	12.4	<1	2.2	159.5	0.59	<0.05	13.80	0.268	2.11
S047459		580	215	150.5	<0.002	0.68	22.6	11.2	<1	2.2	141.0	0.55	<0.05	13.55	0.241	3.31

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Finalized Date: 18-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121840

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047424		5.4	73	2.8	15.2	736	93.1	0.711
S047425		3.4	64	1.8	12.5	334	28.9	0.035
S047426		3.1	73	1.2	14.4	78	32.0	0.009
S047427		5.2	63	2.5	14.8	865	41.4	0.112
S047428		5.4	54	4.8	8.9	>10000	32.8	4.44
S047429		4.0	70	1.0	15.9	132	30.4	<0.005
S047430		3.6	57	3.8	11.0	2800	25.0	0.898
S047431		0.5	2	0.1	1.0	25	<0.5	<0.005
S047432		4.5	67	5.1	12.4	1420	31.4	0.062
S047433		4.4	71	1.4	14.4	373	31.7	0.009
S047434		3.4	72	3.0	14.5	47	32.1	<0.005
S047435		4.9	65	3.2	13.7	736	27.6	0.064
S047436		4.1	67	2.9	15.9	41	31.2	<0.005
S047437		4.0	67	1.3	15.5	59	37.3	<0.005
S047438		5.7	75	2.8	13.8	192	37.3	0.010
S047439		5.0	57	4.3	10.5	1900	29.5	0.703
S047440		4.5	69	2.2	14.6	107	33.1	0.005
S047441		4.1	70	2.1	15.1	110	34.4	0.005
S047442		6.3	61	4.3	13.0	1360	33.7	0.269
S047443		5.4	67	3.9	14.8	184	35.3	0.008
S047444		4.2	66	2.9	16.2	46	37.5	<0.005
S047445		4.0	61	3.2	13.4	5130	29.7	2.89
S047446		5.4	65	6.3	11.0	2520	32.4	0.837
S047447		2.8	77	5.7	15.0	813	37.7	<0.005
S047448		3.6	70	5.0	16.7	610	38.5	0.006
S047449		3.0	72	3.3	18.3	936	40.1	0.005
S047450		8.7	62	5.3	10.2	>10000	26.2	7.64
S047451		0.5	2	0.1	0.8	37	<0.5	0.006
S047452		4.4	55	3.2	8.5	954	22.7	0.030
S047453		7.1	49	5.1	11.9	3530	26.6	0.212
S047454		4.1	70	4.9	12.8	985	28.4	0.027
S047455		4.1	69	5.5	13.6	453	29.4	0.012
S047456		4.3	64	5.9	13.8	520	28.0	0.009
S047457		4.3	75	4.8	12.8	960	30.2	0.128
S047458		3.0	71	1.6	14.9	2090	32.3	0.388
S047459		4.4	65	5.2	15.2	1190	29.0	0.065

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Project: Klaza

Finalized Date: 18-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121840

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 19-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121841

Project: Klaza

P.O. No.: Batch 53

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

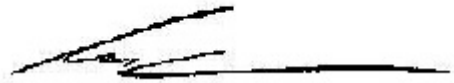
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121841

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047460		2.16			14.05	5.91	2610	730	1.17	8.44	0.66	142.5	23.8	5.9	9	9.79
S047461		2.88			2.49	7.97	297	1100	1.58	0.38	0.97	28.2	51.9	7.2	9	20.0
S047462		6.06			3.30	7.25	920	1020	1.56	0.41	0.76	22.4	45.8	6.4	19	22.9
S047463		2.46			5.56	7.14	385	470	1.56	1.08	0.38	19.95	39.4	5.8	15	11.60
S047464		5.02			0.04	0.09	1.4	50	0.10	0.02	22.8	0.18	1.51	0.6	1	0.22
S047465		3.84			14.35	5.49	4550	1080	0.98	8.56	0.39	55.3	29.5	8.9	18	7.21
S047466		3.70			9.19	7.05	6540	270	1.17	2.26	0.15	58.7	41.8	5.4	19	8.32
S047467		2.28			11.50	7.36	4230	680	1.25	11.85	1.22	43.0	48.2	7.7	16	11.15
S047468		1.44			0.59	8.11	577	1040	1.46	0.14	1.20	6.09	50.5	6.2	15	26.6
S047469		2.54			1.07	8.39	68.2	2260	1.45	0.54	1.16	8.90	54.5	5.7	16	14.85
S047470		0.44	121	1.615	>100	5.44	8140	430	1.02	55.1	1.98	226	30.4	9.6	17	11.00
S047471		6.12			2.21	8.01	302	1450	1.28	0.65	1.79	34.0	51.7	6.7	12	17.55
S047472		6.16			1.35	7.51	302	1950	1.29	0.34	1.99	12.05	39.5	9.2	11	18.75
S047473		6.00			0.34	7.88	88.6	1870	1.62	0.19	2.14	2.82	41.6	7.4	11	25.7
S047474		4.46			8.78	7.39	1450	1520	1.38	8.21	2.30	107.0	48.6	8.8	10	17.20
S047475		6.18			0.08	0.07	4.8	90	<0.05	0.04	21.8	0.32	1.24	0.6	1	0.21
S047476		10.58			0.92	7.41	65.4	1770	1.54	0.60	1.85	9.84	38.2	8.4	14	15.20
S047477		2.16			0.92	7.51	180.0	1720	1.61	0.50	1.29	7.29	47.6	7.0	12	16.80
S047478		4.08			0.70	7.69	137.5	1330	1.48	0.39	1.67	6.99	33.4	17.6	11	12.25
S047479		6.28			3.38	6.58	833	950	1.78	2.51	0.74	10.15	49.9	23.0	16	20.3
S047480		5.48			0.43	7.26	72.6	1510	1.54	0.32	2.32	3.61	46.0	11.2	14	18.90
S047481		5.22			4.53	7.33	64.7	1540	1.40	5.45	2.02	7.28	44.2	6.9	9	20.9
S047482		0.32			11.80	6.37	1405	1130	1.54	11.70	1.82	31.9	46.7	17.4	19	12.85
S047483		2.30			0.40	7.45	13.2	1320	1.95	0.29	2.26	1.62	41.9	13.7	9	13.80
S047484		2.66			0.22	7.71	7.6	1530	1.82	0.20	2.12	1.81	45.9	9.0	9	15.05
S047485		2.72			0.18	7.56	5.3	2280	1.94	0.12	2.22	0.13	48.6	7.0	9	19.55
S047486		1.94			0.88	7.35	24.3	1830	1.81	0.15	2.29	1.25	42.9	6.3	8	13.45
S047487		1.84			8.08	6.31	2070	1000	1.69	3.74	1.68	45.4	44.3	6.5	8	12.80
S047488		1.76			0.63	6.54	209	1500	1.60	0.38	3.24	2.70	34.2	4.9	11	13.95
S047489		4.18			1.44	7.52	110.0	1160	1.92	0.72	2.35	6.21	51.2	6.9	10	13.90
S047490		<0.02			1.44	7.07	120.0	1110	1.79	0.74	2.22	6.05	48.1	6.5	11	13.05
S047491		2.52			45.8	5.01	4630	3190	1.04	17.20	0.58	65.8	31.8	14.5	9	6.61
S047492		2.46			0.26	7.57	38.7	1080	1.87	0.13	2.52	0.36	48.4	3.0	9	16.30
S047493		3.00			0.20	6.74	59.0	1900	1.48	0.11	2.83	0.20	40.8	4.1	9	13.95
S047494		1.30			0.32	7.36	17.8	1960	1.67	0.16	3.09	0.32	41.0	6.2	9	12.75
S047495		2.22			1.23	7.23	238	1170	1.59	0.91	2.32	6.50	43.1	10.1	10	13.90

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121841

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047460		242	5.17	14.75	0.05	0.8	4.87	2.73	7.5	13.8	0.40	2690	2.63	0.03	6.0	2.6
S047461		20.6	4.71	17.60	0.08	1.1	0.461	3.56	28.7	13.2	0.51	3750	2.64	0.03	7.7	2.7
S047462		27.1	4.79	16.00	0.07	1.0	0.417	3.15	25.1	31.3	0.45	2140	2.95	0.02	7.0	3.0
S047463		89.3	5.47	17.00	0.05	1.1	0.382	3.42	17.9	13.5	0.34	1740	2.29	0.03	7.1	2.7
S047464		1.6	0.52	0.27	0.07	<0.1	0.006	0.04	0.7	1.3	14.00	226	0.18	<0.01	0.2	1.6
S047465		206	5.43	14.30	0.05	0.8	1.155	2.62	10.8	19.6	0.31	1180	9.75	0.02	4.9	2.5
S047466		176.0	6.77	15.70	0.05	1.1	0.969	3.39	21.7	7.5	0.27	893	3.12	0.02	6.7	2.4
S047467		75.4	5.43	16.65	0.06	1.1	0.520	3.43	26.8	8.4	0.61	1590	2.88	0.02	7.0	2.8
S047468		11.7	2.83	18.00	0.06	1.2	0.051	3.23	26.7	104.0	0.45	758	2.98	0.07	8.5	2.4
S047469		13.1	3.40	18.00	0.05	1.2	0.114	3.42	29.9	36.7	0.56	1060	2.44	0.09	8.4	2.1
S047470		1250	8.31	13.40	0.05	1.0	4.76	2.33	15.4	28.6	0.64	3110	15.95	0.08	5.5	13.6
S047471		25.5	3.33	17.40	0.06	1.1	0.487	2.16	27.9	103.0	0.72	1040	2.43	0.03	8.0	2.5
S047472		20.1	3.27	17.55	0.05	1.2	0.178	2.15	19.4	151.5	0.62	997	1.85	0.03	8.3	2.6
S047473		8.5	3.32	18.20	0.06	1.3	0.074	3.49	20.8	67.5	0.67	969	1.84	0.21	8.4	2.5
S047474		181.0	4.41	17.45	0.07	1.1	5.06	3.25	27.0	13.5	0.88	2790	2.33	0.03	7.1	2.3
S047475		4.7	0.49	0.26	0.07	<0.1	0.016	0.03	0.6	1.6	13.25	212	0.10	<0.01	0.1	1.5
S047476		16.6	3.36	16.50	0.06	1.2	0.114	3.02	19.2	35.6	0.58	888	1.71	0.49	8.1	2.9
S047477		28.2	3.01	16.25	0.06	1.2	0.103	3.00	25.2	96.5	0.50	1180	3.82	0.08	7.8	3.0
S047478		11.3	2.31	17.55	0.06	1.2	0.049	2.76	16.8	48.8	0.54	591	2.72	0.07	8.7	2.5
S047479		21.7	4.71	15.05	0.06	1.0	0.069	1.94	28.2	39.3	0.37	579	11.20	0.03	6.9	3.9
S047480		10.0	2.91	17.45	0.05	1.2	0.101	2.71	23.8	52.6	0.70	1190	1.46	0.09	8.5	2.7
S047481		460	2.92	17.70	0.10	1.1	0.201	2.74	22.8	26.0	0.45	663	1.11	0.09	7.9	2.9
S047482		264	6.31	15.70	0.13	1.0	0.750	2.76	24.8	20.4	0.74	1720	8.32	0.12	6.3	12.6
S047483		5.1	2.89	16.85	0.13	1.2	0.041	2.16	21.8	23.1	0.78	417	1.09	0.98	8.3	3.1
S047484		4.6	3.38	17.35	0.12	1.2	0.041	2.37	23.8	25.6	0.87	431	1.50	0.64	8.9	2.8
S047485		4.8	2.99	17.20	0.12	1.2	0.043	2.57	24.4	21.3	0.91	492	1.92	2.03	8.6	2.6
S047486		172.5	3.64	16.20	0.12	1.1	0.130	2.36	22.2	126.0	0.86	1400	1.14	0.05	7.4	2.2
S047487		86.1	4.56	14.40	0.11	0.9	0.361	2.77	24.2	27.1	0.75	1500	1.49	0.03	5.9	2.5
S047488		16.0	2.91	17.15	0.12	1.1	0.053	2.89	15.7	80.2	0.42	642	1.11	0.11	7.6	2.9
S047489		26.8	4.10	17.05	0.13	0.9	0.224	3.12	24.4	51.6	0.69	1490	1.31	0.38	7.8	3.3
S047490		23.5	4.05	16.50	0.13	0.9	0.216	2.96	22.6	47.8	0.64	1460	1.11	0.36	7.6	2.5
S047491		1005	7.67	11.40	0.11	0.6	1.275	2.39	15.3	23.7	0.34	1280	5.41	0.03	4.6	3.0
S047492		5.2	2.66	16.05	0.14	0.9	0.044	3.19	23.2	78.4	0.86	1110	1.30	0.06	7.6	2.1
S047493		4.1	3.17	16.25	0.11	0.8	0.156	3.07	18.4	26.5	0.74	1680	1.29	0.21	7.5	2.1
S047494		8.4	2.90	17.50	0.13	1.0	0.031	3.16	20.7	34.6	0.64	476	4.19	0.95	7.7	2.5
S047495		17.6	3.48	16.40	0.13	1.0	0.123	3.08	21.7	46.6	0.69	759	3.00	0.46	7.9	2.3

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121841

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047460		440	1640	155.5	<0.002	3.86	55.6	8.1	<1	7.7	156.0	0.41	0.07	8.16	0.194	3.03
S047461		560	627	207	<0.002	2.50	25.3	11.2	<1	3.3	30.8	0.52	<0.05	14.40	0.248	4.28
S047462		530	963	185.5	<0.002	2.59	33.1	10.4	<1	3.7	60.4	0.48	<0.05	12.30	0.230	3.59
S047463		510	621	201	<0.002	4.47	40.8	10.3	<1	7.5	68.7	0.53	<0.05	10.85	0.223	4.31
S047464		210	5.4	2.3	<0.002	0.01	0.25	0.2	<1	<0.2	50.5	<0.05	<0.05	0.15	<0.005	0.03
S047465		390	2130	177.5	<0.002	4.49	93.0	7.5	<1	8.0	121.5	0.35	0.17	7.39	0.167	2.90
S047466		510	1520	241	<0.002	6.27	63.0	9.0	<1	7.4	11.3	0.50	0.09	12.70	0.213	3.42
S047467		540	1560	213	<0.002	4.62	37.1	10.2	<1	5.2	24.9	0.51	0.19	13.75	0.229	3.63
S047468		620	139.5	144.5	<0.002	0.37	23.3	10.9	<1	1.9	121.0	0.62	<0.05	14.65	0.269	2.44
S047469		650	327	169.0	<0.002	0.28	19.60	11.3	1	2.0	85.2	0.61	<0.05	15.85	0.266	2.40
S047470		450	9620	129.0	0.002	7.20	226	7.5	1	8.7	122.0	0.37	0.43	8.68	0.184	2.32
S047471		620	494	109.0	<0.002	0.65	29.3	11.0	<1	2.6	167.0	0.58	<0.05	14.60	0.257	1.99
S047472		610	296	86.3	<0.002	0.59	31.7	10.4	<1	2.8	158.0	0.66	<0.05	12.30	0.257	2.06
S047473		630	50.0	137.0	<0.002	0.28	17.35	10.8	1	1.7	139.5	0.61	<0.05	12.65	0.271	2.68
S047474		580	1020	180.0	<0.002	2.16	39.6	11.0	<1	4.6	80.3	0.49	<0.05	11.95	0.239	3.67
S047475		200	6.3	1.7	<0.002	0.01	0.31	0.2	<1	<0.2	48.8	<0.05	<0.05	0.11	<0.005	0.02
S047476		610	270	122.0	<0.002	0.37	10.95	10.3	<1	2.2	142.0	0.60	<0.05	11.25	0.259	2.20
S047477		600	175.0	133.0	<0.002	0.73	29.0	10.8	<1	2.2	117.0	0.57	<0.05	12.90	0.258	2.17
S047478		650	149.0	108.5	<0.002	0.40	27.8	10.3	<1	2.7	86.9	0.63	0.06	11.15	0.270	2.21
S047479		540	409	112.5	<0.002	1.52	54.5	11.1	1	3.6	59.7	0.50	0.79	11.95	0.215	1.94
S047480		630	106.5	98.7	<0.002	0.53	19.20	10.6	1	2.2	124.5	0.62	0.09	11.75	0.265	2.09
S047481		610	586	105.5	<0.002	0.85	17.70	10.7	2	3.1	75.4	0.59	0.09	10.75	0.252	1.67
S047482		520	1285	160.5	<0.002	4.51	63.4	9.5	2	7.5	94.3	0.50	1.11	10.95	0.196	2.41
S047483		600	94.9	97.0	<0.002	0.37	6.39	10.8	1	2.0	169.0	0.66	0.10	11.50	0.254	1.33
S047484		680	58.3	100.0	<0.002	0.21	6.36	11.8	1	2.1	127.0	0.69	0.06	11.95	0.280	1.32
S047485		620	19.2	86.8	<0.002	0.07	3.34	10.9	1	1.7	371	0.65	<0.05	10.80	0.262	1.08
S047486		550	42.1	96.0	<0.002	0.20	82.9	9.5	1	2.0	121.0	0.59	<0.05	11.05	0.228	2.03
S047487		430	2950	161.0	<0.002	2.37	31.3	8.4	1	5.1	55.3	0.46	0.07	10.95	0.181	2.33
S047488		560	128.5	104.5	<0.002	0.21	18.45	8.7	1	1.7	134.5	0.61	<0.05	8.79	0.238	1.82
S047489		630	444	160.0	<0.002	1.59	12.10	12.0	1	4.1	113.0	0.57	0.12	12.25	0.248	2.56
S047490		580	448	147.0	<0.002	1.66	11.50	11.1	1	4.0	107.0	0.55	0.06	11.45	0.239	2.47
S047491		310	5300	151.0	<0.002	7.67	202	6.8	1	6.0	49.4	0.36	0.49	7.98	0.145	2.21
S047492		560	28.6	176.0	<0.002	0.34	9.19	10.0	1	2.7	93.4	0.59	<0.05	12.60	0.233	2.92
S047493		550	16.7	125.0	<0.002	0.16	9.09	8.9	1	2.4	102.5	0.57	<0.05	10.40	0.232	2.56
S047494		580	29.9	138.0	<0.002	0.09	7.03	9.7	1	2.0	184.0	0.61	<0.05	11.60	0.240	2.10
S047495		570	311	142.5	<0.002	1.64	8.07	10.3	1	3.6	139.0	0.61	0.07	13.05	0.240	2.15

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CERTIFICATE OF ANALYSIS VA16121841

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047460		3.9	52	6.1	9.3	9180	23.6	4.77
S047461		3.8	68	5.8	12.1	1700	29.4	0.145
S047462		3.9	65	5.9	11.9	1890	26.8	0.439
S047463		3.2	64	7.8	11.0	1430	28.3	0.481
S047464		0.6	2	0.1	0.9	24	<0.5	<0.005
S047465		3.6	55	6.2	9.6	3460	21.6	3.13
S047466		3.4	60	7.5	11.6	5300	30.0	1.920
S047467		4.4	64	7.3	10.7	2810	44.2	2.66
S047468		3.5	70	5.2	14.7	636	33.1	0.326
S047469		3.9	72	4.6	16.6	917	34.6	0.026
S047470		5.2	53	4.6	9.3	>10000	32.1	4.54
S047471		4.0	70	5.6	15.1	2280	31.7	0.084
S047472		3.4	71	3.5	13.1	855	33.5	0.171
S047473		4.4	72	3.2	14.2	380	35.0	0.059
S047474		5.3	68	7.3	13.9	6820	29.7	0.460
S047475		0.7	2	0.1	0.8	32	0.5	<0.005
S047476		4.5	71	2.7	14.1	986	29.5	0.140
S047477		3.9	69	5.1	14.9	617	28.1	0.031
S047478		4.0	71	3.1	13.5	856	30.4	0.005
S047479		6.1	72	2.6	24.9	2450	27.3	0.046
S047480		3.2	73	2.8	15.6	398	31.2	0.055
S047481		3.6	71	2.6	13.3	919	29.6	0.106
S047482		4.9	59	5.5	11.1	2270	28.1	0.861
S047483		3.2	69	1.5	13.2	630	33.2	<0.005
S047484		2.9	78	1.7	14.9	764	33.4	<0.005
S047485		2.4	73	0.9	17.4	226	34.9	<0.005
S047486		3.4	64	4.1	15.5	151	28.6	<0.005
S047487		11.0	53	4.6	12.6	3300	25.0	0.272
S047488		4.4	67	2.0	12.3	324	29.1	0.012
S047489		4.8	76	2.7	12.9	609	24.4	0.072
S047490		4.5	71	2.5	12.5	583	24.8	0.063
S047491		4.3	43	3.1	8.6	5170	14.9	2.03
S047492		6.0	63	1.9	13.0	74	23.5	0.005
S047493		4.5	62	1.9	12.6	43	22.6	<0.005
S047494		3.5	67	1.3	13.8	73	26.7	<0.005
S047495		3.6	66	2.5	13.9	623	27.2	0.037

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 19-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121841

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121842

Project: Klaza

P.O. No.: Batch 54

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

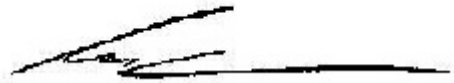
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121842

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047591		1.82			0.14	6.48	21.0	1830	1.46	0.16	3.13	0.14	37.0	5.4	7	14.70
S047592		2.28			0.19	6.96	10.0	2460	1.77	0.73	2.88	0.15	43.6	6.1	9	12.85
S047593		3.16			4.97	7.32	357	530	1.74	7.33	0.82	14.80	53.0	11.5	12	17.45
S047594		3.18			76.7	6.68	6570	330	1.64	18.65	0.50	55.9	46.1	6.3	8	22.7
S047595		2.56			0.28	8.27	147.5	1580	1.83	0.21	0.90	7.25	54.5	6.1	8	23.8
S047596		4.80			1.18	7.78	179.5	930	2.01	0.72	0.53	23.8	56.4	6.9	8	20.9
S047597		0.52			4.33	6.64	708	350	1.57	3.28	2.00	11.00	49.1	12.3	25	13.50
S047598		1.86			58.9	4.57	1180	1640	1.11	37.9	0.15	7.08	34.0	5.5	5	30.1
S047599		3.06			4.27	6.36	744	900	1.47	3.37	0.13	6.25	48.0	1.8	6	29.7
S047600		1.92			15.90	6.55	473	430	1.41	15.80	0.11	16.30	44.3	3.8	7	21.3
S047601		3.76			0.90	8.43	416	2050	1.95	0.98	0.35	34.2	51.2	9.3	7	15.45
S047602		5.22			0.04	0.08	3.1	30	0.09	0.04	20.4	0.13	1.35	0.6	1	0.28
S047603		5.04			0.28	7.86	38.7	2990	1.72	0.30	1.27	12.00	59.3	10.2	7	15.25
S047604		2.46			0.74	7.04	41.7	1070	1.47	0.38	2.07	10.25	45.8	9.2	11	12.40
S047605		3.46			8.78	5.71	492	380	1.17	2.20	5.73	74.9	51.9	14.7	7	11.45
S047606		<0.02			9.95	5.62	482	390	1.04	2.25	5.61	83.9	49.9	14.1	6	10.85
S047607		2.28			0.51	6.79	58.2	1620	1.37	0.29	3.23	4.58	44.1	6.7	9	21.7
S047608		2.60			0.38	6.76	328	1900	1.60	0.18	2.70	2.27	46.6	6.6	9	23.9
S047609		1.80			0.66	7.46	46.5	1320	1.25	0.51	1.13	4.68	53.4	4.5	10	13.00
S047610		0.32	116	1.595	>100	5.23	7040	130	1.29	61.4	1.90	219	32.6	9.3	18	11.65
S047611		2.24			1.08	7.19	131.0	1570	1.58	0.76	2.29	1.82	48.6	10.7	8	10.95
S047612		2.24			3.00	7.44	93.2	1780	1.69	0.14	2.60	13.20	52.3	5.4	9	10.80
S047613		2.02			3.67	7.24	60.4	1480	1.60	1.40	2.76	9.53	47.6	6.3	9	12.95
S047614		3.36			6.25	7.09	150.0	1710	2.18	0.53	2.15	32.9	48.4	6.2	9	25.9
S047615		1.98			0.20	7.42	26.1	1860	1.97	0.10	1.95	0.28	47.0	6.9	9	22.7
S047616		2.12			2.89	7.14	116.0	2140	1.93	0.95	1.70	82.1	52.8	5.3	9	15.90
S047617		4.50			1.56	6.76	158.0	2160	1.74	0.26	2.71	13.15	48.3	11.0	8	23.4
S047618		6.26			3.51	6.92	252	1460	1.78	0.28	3.19	26.3	51.5	8.1	8	24.3
S047619		4.10			0.30	6.92	22.7	2060	1.88	0.28	2.80	0.44	44.7	12.5	10	13.25
S047620		5.84			0.26	6.90	24.3	2180	1.80	0.24	2.03	0.36	39.7	7.2	8	18.30
S047621		1.00			3.57	7.04	1340	190	1.83	0.92	0.92	23.7	44.8	9.4	8	11.85
S047622		1.00			5.53	6.76	3460	490	1.63	0.88	1.03	38.2	38.8	9.5	10	13.65
S047623		2.44			4.18	7.17	3850	340	1.95	0.46	1.00	32.6	46.5	6.5	8	12.05
S047624		2.40			4.67	5.42	1150	170	1.44	2.11	1.63	37.2	32.2	7.2	7	10.80
S047625		5.10			0.03	0.13	5.5	40	0.09	0.03	20.0	0.17	1.64	0.7	2	0.21
S047626		3.80			0.24	7.12	39.5	2380	1.40	0.25	2.62	0.62	44.4	6.7	9	27.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047591		20.2	2.39	14.90	0.10	1.1	0.044	2.93	17.8	50.1	0.57	781	1.65	0.12	7.9	2.6
S047592		13.0	3.52	15.50	0.10	1.0	0.090	3.33	21.5	20.0	0.64	695	1.45	0.94	8.2	2.4
S047593		75.9	4.16	15.45	0.12	1.1	0.355	2.80	28.7	125.0	0.26	1290	2.21	0.07	8.1	2.6
S047594		812	5.27	14.40	0.11	1.0	1.780	2.72	25.2	44.4	0.29	926	3.01	0.03	6.7	1.8
S047595		18.3	3.09	18.30	0.11	1.2	0.096	2.53	28.3	191.5	0.33	685	2.88	0.06	8.9	2.1
S047596		52.6	4.19	16.10	0.11	1.1	0.424	2.66	31.4	107.0	0.42	1270	2.76	0.03	7.6	2.2
S047597		301	4.80	15.00	0.11	1.1	0.307	2.85	28.1	29.1	0.75	1820	13.25	0.14	6.1	14.6
S047598		288	1.99	11.50	0.08	0.8	6.82	1.48	19.3	46.3	0.16	151	28.0	0.02	4.9	0.9
S047599		106.5	3.84	14.10	0.10	0.9	1.475	2.40	26.8	30.3	0.20	169	19.00	0.02	6.4	0.6
S047600		81.3	3.75	15.75	0.10	1.0	0.664	2.68	23.5	19.0	0.22	163	14.50	0.02	6.4	0.8
S047601		58.4	3.31	17.25	0.12	1.2	0.259	3.28	27.7	44.6	0.24	1230	3.09	0.09	8.6	2.5
S047602		2.0	0.48	0.24	0.06	<0.1	0.011	0.03	0.7	1.2	12.45	221	0.22	0.01	0.2	1.5
S047603		10.4	3.39	15.80	0.13	1.4	0.056	2.94	32.0	16.8	0.68	1420	2.69	1.17	8.3	2.4
S047604		6.1	2.47	15.15	0.11	0.9	0.112	2.86	24.7	40.5	0.52	912	2.61	0.05	7.1	1.9
S047605		54.3	4.78	13.60	0.10	0.8	1.480	2.56	28.0	5.6	0.77	3010	1.13	0.04	5.8	2.0
S047606		52.0	4.80	13.10	0.11	0.8	1.810	2.55	26.7	5.3	0.70	2970	1.20	0.04	5.6	2.1
S047607		5.4	2.95	15.55	0.11	1.1	0.075	2.33	21.6	88.3	0.61	940	2.68	0.06	8.7	2.3
S047608		8.3	2.77	15.75	0.11	1.3	0.080	2.92	23.0	43.0	0.60	1500	1.27	0.84	8.0	2.1
S047609		11.2	2.97	14.85	0.10	1.0	0.077	2.74	32.8	84.2	0.52	930	3.21	0.05	6.8	1.9
S047610		1235	7.72	12.50	0.10	1.0	4.62	2.22	16.7	30.4	0.60	3010	14.25	0.08	5.6	13.8
S047611		8.2	2.92	15.25	0.12	0.9	0.194	3.20	25.9	22.7	0.55	916	1.11	0.71	7.4	2.2
S047612		33.3	2.84	15.75	0.11	1.0	0.387	2.91	28.0	14.8	0.72	1390	1.24	1.32	7.7	2.2
S047613		58.3	3.64	15.10	0.12	1.0	0.235	3.02	25.4	18.4	0.53	1160	1.08	0.76	7.2	2.2
S047614		145.0	3.98	15.10	0.12	1.1	0.217	2.96	26.8	17.1	1.00	1640	2.08	0.04	6.8	2.8
S047615		17.5	2.79	16.20	0.12	1.3	0.038	3.49	23.7	143.5	0.72	1030	1.24	0.10	8.3	2.3
S047616		152.5	3.32	15.20	0.12	1.2	2.17	3.26	29.6	58.4	0.75	1400	1.55	0.05	7.1	2.2
S047617		144.0	2.81	14.75	0.13	1.1	0.115	3.09	26.4	32.1	0.85	1360	1.45	0.05	7.1	2.4
S047618		36.8	2.78	15.05	0.12	1.1	0.075	2.94	28.3	24.7	0.95	1680	1.54	0.04	7.2	2.3
S047619		19.9	2.79	15.85	0.13	1.1	0.051	3.17	22.3	23.5	0.65	751	1.61	1.41	7.9	2.6
S047620		11.2	2.51	15.50	0.11	1.2	0.049	3.04	20.1	57.8	0.56	562	1.28	0.53	7.7	2.3
S047621		23.5	4.18	15.75	0.11	1.1	0.165	3.32	24.2	15.5	0.47	706	14.50	0.17	6.3	2.7
S047622		39.4	4.27	14.15	0.11	1.1	0.230	3.15	20.5	36.5	0.48	825	14.20	0.05	5.8	2.4
S047623		28.9	4.18	18.30	0.11	1.1	0.199	3.29	25.4	10.5	0.47	1100	19.45	0.02	7.3	2.6
S047624		153.5	4.28	11.75	0.13	0.9	1.430	2.42	17.3	26.6	0.61	2330	28.1	0.06	4.9	2.1
S047625		1.8	0.48	0.34	0.07	<0.1	0.008	0.03	0.8	1.2	12.20	224	0.16	0.01	0.2	1.8
S047626		4.3	2.89	15.10	0.11	1.1	0.039	3.00	23.0	16.3	0.83	1820	1.28	0.03	7.6	2.0

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Finalized Date: 15-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047591		560	20.5	96.8	<0.002	0.11	12.80	9.6	1	1.6	141.0	0.69	<0.05	10.40	0.239	1.88
S047592		600	24.1	134.0	<0.002	0.94	6.20	11.2	1	1.9	237	0.63	0.15	11.55	0.254	1.95
S047593		580	284	156.0	<0.002	1.93	27.1	12.2	1	1.8	113.5	0.64	0.23	13.50	0.251	2.09
S047594		450	3760	171.5	<0.002	2.58	147.0	9.5	1	3.0	69.1	0.50	0.36	11.00	0.205	2.90
S047595		680	52.2	138.0	<0.002	0.07	26.0	13.0	1	1.7	127.5	0.71	<0.05	14.75	0.270	1.78
S047596		570	465	162.5	<0.002	0.47	23.3	11.0	1	2.2	105.0	0.60	0.06	13.85	0.235	2.58
S047597		510	469	161.5	0.004	2.60	26.5	9.6	1	5.1	107.0	0.50	0.26	11.30	0.197	2.45
S047598		240	4720	94.8	<0.002	0.56	915	6.8	<1	6.4	145.0	0.40	0.07	9.60	0.168	2.92
S047599		550	1295	156.0	<0.002	0.16	80.5	10.1	<1	3.5	95.2	0.51	<0.05	14.60	0.202	2.92
S047600		340	1510	173.5	<0.002	1.54	73.2	9.2	1	7.9	80.4	0.54	0.10	11.35	0.193	3.05
S047601		680	82.3	162.5	<0.002	0.18	29.2	12.1	1	1.5	81.8	0.68	<0.05	16.60	0.252	2.07
S047602		170	5.4	1.8	<0.002	<0.01	0.35	0.2	1	<0.2	50.7	<0.05	<0.05	0.14	<0.005	0.02
S047603		590	37.0	123.5	<0.002	0.03	6.01	10.0	1	1.4	231	0.74	<0.05	14.80	0.242	1.33
S047604		530	204	136.5	<0.002	0.52	9.82	9.1	1	2.0	81.2	0.58	0.09	13.75	0.219	2.52
S047605		410	2870	163.5	<0.002	2.47	17.45	9.6	1	3.1	172.0	0.52	0.08	12.10	0.179	2.90
S047606		400	3170	155.0	<0.002	2.51	18.60	9.1	1	2.9	170.0	0.49	0.09	12.30	0.173	2.79
S047607		650	98.3	91.0	<0.002	0.42	27.8	11.4	1	1.7	182.5	0.65	<0.05	11.15	0.267	1.80
S047608		570	61.3	124.0	<0.002	0.75	10.65	10.2	1	1.5	195.5	0.66	<0.05	12.05	0.239	1.93
S047609		580	151.5	146.5	<0.002	0.51	21.5	9.5	<1	2.5	122.5	0.63	<0.05	13.25	0.223	2.01
S047610		440	9530	131.5	<0.002	6.81	211	7.4	1	8.1	119.0	0.44	0.49	8.10	0.175	2.30
S047611		530	256	174.5	<0.002	1.21	7.98	9.8	1	2.1	157.5	0.61	0.08	12.55	0.219	2.49
S047612		570	1055	121.0	<0.002	0.38	4.23	10.5	1	2.3	254	0.58	<0.05	13.30	0.240	1.50
S047613		520	1125	146.0	<0.002	1.37	6.29	9.8	1	3.6	172.0	0.60	<0.05	13.05	0.214	1.88
S047614		530	2570	164.0	<0.002	0.79	21.1	9.7	1	2.3	132.0	0.55	<0.05	12.80	0.211	2.53
S047615		600	27.0	132.0	<0.002	0.19	9.38	10.8	1	1.4	158.0	0.70	<0.05	12.25	0.249	2.05
S047616		520	728	179.5	<0.002	1.15	12.85	10.2	1	3.6	105.5	0.61	<0.05	13.45	0.210	2.45
S047617		510	184.5	141.0	<0.002	1.15	15.80	10.0	1	1.6	143.0	0.59	<0.05	12.05	0.215	2.58
S047618		550	1105	135.0	<0.002	0.97	10.60	10.1	1	1.9	135.0	0.62	<0.05	12.70	0.224	2.47
S047619		590	22.8	127.0	<0.002	0.61	4.14	10.7	1	1.8	279	0.65	<0.05	11.40	0.241	1.84
S047620		540	21.5	116.5	<0.002	0.49	8.24	9.6	1	1.2	182.5	0.65	0.06	10.80	0.231	1.83
S047621		530	1075	181.5	<0.002	3.63	24.0	10.3	1	7.4	62.2	0.54	0.20	12.40	0.199	2.82
S047622		480	923	167.5	<0.002	3.43	29.0	9.3	2	4.7	60.6	0.50	0.20	12.00	0.187	2.61
S047623		540	1255	180.0	<0.002	3.89	31.7	10.5	1	12.7	29.8	0.57	0.10	12.35	0.226	3.30
S047624		410	630	151.5	<0.002	3.90	62.1	7.5	1	3.0	78.2	0.40	0.19	8.63	0.159	2.47
S047625		200	4.6	1.5	<0.002	0.01	0.24	0.3	1	<0.2	53.1	<0.05	<0.05	0.13	0.008	0.02
S047626		580	27.0	124.5	0.004	1.02	6.68	10.5	1	1.4	161.0	0.58	0.09	11.45	0.255	2.88

***** See Appendix Page for comments regarding this certificate *****

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047591		3.5	65	4.1	14.7	52	32.4	0.015
S047592		3.8	68	2.8	15.7	56	30.5	0.005
S047593		4.5	70	3.5	18.6	1440	31.2	0.305
S047594		5.7	56	3.0	12.8	3430	27.6	8.65
S047595		3.5	78	3.6	18.0	873	32.7	0.010
S047596		5.3	65	5.1	13.7	1840	31.5	0.039
S047597		5.1	63	5.5	12.3	868	29.8	0.331
S047598		9.6	51	6.3	5.4	926	23.3	2.65
S047599		7.9	58	5.9	6.6	1040	25.9	0.183
S047600		4.9	55	7.2	6.6	772	27.4	1.270
S047601		8.9	69	4.0	16.1	2330	36.0	0.024
S047602		0.5	2	0.1	0.8	26	<0.5	<0.005
S047603		3.4	65	2.1	20.0	1880	37.3	0.005
S047604		4.1	62	1.9	11.1	633	25.7	0.023
S047605		4.1	63	3.7	13.6	4740	19.9	0.510
S047606		4.0	61	3.5	14.2	5140	20.1	1.175
S047607		4.2	76	3.6	18.0	302	31.7	0.030
S047608		3.5	65	3.1	15.8	220	36.1	0.069
S047609		5.0	63	2.7	12.2	430	27.0	0.010
S047610		5.0	51	4.6	8.9	>10000	32.6	4.45
S047611		5.1	62	1.8	14.1	243	25.5	0.102
S047612		4.3	66	5.9	17.9	1580	29.8	0.012
S047613		4.3	60	2.7	15.8	944	30.2	0.033
S047614		4.3	61	3.8	14.4	2400	32.9	0.109
S047615		3.7	71	3.0	15.0	56	35.9	0.007
S047616		8.0	61	4.1	14.9	6940	32.9	0.035
S047617		5.0	62	3.6	15.2	943	32.1	0.049
S047618		4.7	64	3.7	16.7	1670	32.0	0.121
S047619		3.9	70	2.5	15.8	68	31.9	0.008
S047620		4.0	63	2.1	13.7	59	34.4	0.008
S047621		5.6	63	4.5	11.5	1600	31.4	0.358
S047622		3.8	58	3.2	10.6	2620	29.4	1.130
S047623		5.0	62	5.1	10.5	2270	32.5	0.850
S047624		4.9	47	3.2	8.2	3530	27.8	0.308
S047625		0.6	3	0.1	1.1	28	0.5	<0.005
S047626		3.6	73	3.3	16.1	84	32.9	0.012

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 15-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121842

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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Finalized Date: 20-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121843

Project: Klaza

P.O. No.: Batch 55

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

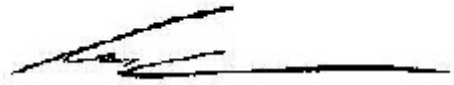
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 20-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121843

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047496		4.28		2.55	9.40	5.33	3350	240	1.07	2.27	2.17	376	37.7	41.0	11	11.85
S047497		2.16			2.41	7.26	113.0	750	1.72	1.20	1.42	16.55	44.8	5.5	24	12.05
S047498		2.14			0.15	6.79	20.7	4600	1.81	0.15	2.55	0.86	39.8	6.7	16	12.90
S047499		2.22			1.09	7.23	82.0	1850	1.71	0.15	2.59	7.20	46.6	5.6	27	19.95
S047500		2.12			0.63	8.13	107.0	1750	1.30	0.58	0.95	2.31	57.5	4.6	16	16.00
S047651		4.34			0.22	6.97	27.8	1660	1.36	0.15	2.47	0.23	36.8	9.0	12	18.70
S047652		4.52			0.63	6.24	337	1420	1.53	0.13	4.04	0.42	42.9	6.2	10	18.15
S047653		0.46	119	1.610	>100	5.36	7770	210	1.20	60.9	1.89	217	31.0	9.2	20	10.75
S047654		3.54			0.28	6.96	94.0	1700	1.53	0.14	1.96	0.19	39.9	5.5	10	21.0
S047655		5.74			0.34	6.83	27.3	2150	1.44	0.15	2.50	0.16	37.4	6.5	9	19.90
S047656		3.92			0.46	7.07	68.1	3610	1.81	0.24	2.15	0.28	47.6	7.1	15	23.6
S047657		<0.02			0.37	7.28	66.6	3430	1.79	0.24	2.15	0.23	48.9	7.3	18	24.3
S047658		1.66			0.12	8.34	27.8	570	1.83	0.27	1.49	0.26	82.9	6.8	25	18.90
S047659		2.08			6.11	7.28	426	360	1.68	1.65	1.46	14.20	48.2	6.9	14	16.45
S047660		0.76			5.06	6.52	222	590	1.97	0.95	2.26	5.80	38.0	6.9	11	19.45
S047661		7.98			0.19	7.50	18.9	1960	1.35	0.21	1.70	0.26	40.8	8.3	12	11.05
S047662		7.58			2.25	6.74	95.9	1940	1.39	1.04	2.36	10.15	48.3	9.5	12	12.65
S047663		2.08			3.07	7.61	194.0	1300	2.07	2.28	2.66	7.29	53.7	7.6	10	26.3
S047664		4.96			0.05	0.07	0.3	200	<0.05	0.03	20.0	0.18	1.13	0.6	2	0.14
S047665		2.26			1.91	6.21	112.5	1060	1.25	1.10	2.77	7.76	45.2	14.6	11	11.45
S047666		3.56			0.12	7.52	45.0	1130	2.27	0.16	2.17	0.20	68.6	7.7	27	21.2
S047667		2.12			0.42	7.16	32.0	1830	1.80	0.09	2.52	2.50	38.7	7.2	15	18.40
S047668		2.02			0.11	6.98	7.8	1950	1.54	0.09	2.84	0.22	37.3	7.1	16	10.15
S047669		1.40			0.12	7.15	8.7	2020	1.63	0.13	2.65	0.33	39.1	5.5	14	11.35
S047670		0.34			11.90	6.80	1575	220	1.56	12.15	1.89	32.5	43.8	18.1	20	13.15
S047671		2.46			15.90	6.87	796	1260	1.49	4.40	2.35	20.2	46.6	6.2	11	12.60
S047672		2.02			0.18	7.57	9.1	2110	1.73	0.11	2.61	0.42	46.3	5.8	13	12.90
S047673		1.86			0.14	7.48	10.2	2160	1.71	0.12	2.53	0.23	44.9	7.5	13	10.15
S047674		2.38			0.96	6.86	49.0	1800	1.56	0.94	2.81	4.60	35.5	6.7	10	14.95
S047675		2.44			12.00	4.43	1095	190	1.17	7.92	2.55	38.3	27.9	9.1	7	13.10
S047676		5.18			0.02	0.07	0.7	30	<0.05	0.04	20.7	0.11	1.07	0.7	<1	0.65
S047677		2.46			0.41	6.73	30.2	1450	1.58	0.41	2.94	2.81	40.1	10.4	10	13.35
S047678		1.48			0.27	6.22	11.6	1940	1.49	0.26	4.43	0.79	37.1	9.4	9	10.90
S047679		1.52			3.26	7.21	107.5	870	1.53	0.89	1.98	33.9	42.6	6.7	9	13.60
S047680		2.12			0.64	7.32	22.6	2060	1.81	0.16	2.64	3.60	36.5	6.4	11	12.05
S047681		2.66			16.15	7.47	224	630	1.74	18.50	1.11	122.5	46.4	7.2	11	14.70

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA16121843

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047496		157.5	5.33	12.05	0.13	0.7	9.43	2.32	20.4	38.6	0.58	1040	4.62	0.03	5.4	3.0
S047497		38.6	3.44	15.55	0.10	1.0	0.170	2.00	23.5	223	0.56	1070	1.95	0.03	7.4	2.5
S047498		8.6	3.10	16.25	0.09	1.0	0.052	1.06	19.1	368	0.70	921	2.05	0.03	7.7	2.6
S047499		27.2	2.98	16.70	0.12	1.1	0.084	3.17	23.5	102.0	0.65	891	1.73	0.27	7.9	2.7
S047500		18.3	3.01	16.70	0.13	1.1	0.113	2.98	32.2	43.4	0.45	856	3.34	0.10	8.0	1.9
S047651		17.8	2.74	16.50	0.12	1.2	0.050	3.18	16.7	44.1	0.61	690	2.64	0.11	8.6	2.8
S047652		29.8	2.97	13.50	0.09	1.0	0.041	2.66	24.4	24.8	1.40	1960	3.06	0.03	5.6	2.1
S047653		1250	7.78	12.75	0.09	1.1	4.57	2.24	14.5	32.8	0.62	2970	15.05	0.08	5.2	14.0
S047654		22.5	2.71	16.10	0.09	1.0	0.038	3.11	19.1	37.8	0.61	684	3.31	0.15	7.4	2.6
S047655		17.9	2.76	15.45	0.12	1.1	0.032	2.99	17.4	29.0	0.63	443	2.20	1.21	7.5	2.6
S047656		21.3	2.69	17.00	0.10	2.1	0.031	2.78	24.0	75.4	0.77	900	1.86	0.07	8.2	3.5
S047657		20.5	2.69	16.80	0.13	1.8	0.033	2.73	26.2	68.2	0.80	894	1.96	0.07	7.9	3.2
S047658		6.5	2.75	20.8	0.12	5.4	0.034	2.42	44.9	104.5	0.82	779	2.03	0.04	11.5	6.2
S047659		111.0	4.29	15.95	0.12	1.1	0.428	3.24	25.2	29.3	0.58	3070	4.38	0.06	6.9	3.0
S047660		79.6	3.46	15.90	0.10	1.4	0.256	2.90	17.1	35.5	0.64	4510	5.08	0.07	7.5	3.2
S047661		19.9	2.83	17.30	0.12	1.0	0.045	2.75	19.6	48.6	0.55	693	1.27	0.10	8.2	2.2
S047662		46.7	3.24	15.55	0.10	0.9	0.174	3.00	22.4	23.9	0.68	1380	1.58	0.11	6.5	2.3
S047663		128.5	3.68	16.50	0.13	1.2	0.234	3.06	28.7	47.4	0.81	1210	1.61	0.14	7.9	3.3
S047664		4.4	0.44	0.20	0.07	<0.1	<0.005	0.02	0.5	1.3	12.70	197	0.14	0.01	0.1	1.6
S047665		17.8	2.67	13.80	0.14	0.9	0.117	2.65	25.0	13.7	0.68	1110	2.57	0.04	5.9	2.3
S047666		23.7	2.78	19.85	0.15	4.7	0.037	2.31	35.8	227	0.99	616	1.19	0.04	11.3	8.0
S047667		10.8	3.22	16.70	0.11	1.4	0.066	2.84	18.7	18.2	0.68	841	1.04	1.79	8.9	2.5
S047668		4.4	2.85	15.95	0.11	1.2	0.039	2.60	18.5	11.6	0.70	551	1.17	2.04	7.7	2.7
S047669		4.4	2.78	15.75	0.11	1.2	0.048	2.77	19.4	11.8	0.58	599	1.12	1.61	7.5	2.2
S047670		289	6.52	15.75	0.12	1.2	0.805	2.90	23.5	21.3	0.78	1800	9.08	0.13	6.4	13.0
S047671		1940	3.84	15.80	0.12	1.2	0.715	2.81	24.7	21.2	0.74	1530	1.38	0.15	7.0	2.3
S047672		8.4	2.88	16.75	0.13	1.3	0.040	2.81	23.7	12.9	0.67	610	1.27	2.13	8.3	2.5
S047673		8.1	3.04	16.45	0.11	1.1	0.032	2.57	22.6	16.9	0.83	528	1.30	2.37	8.3	3.0
S047674		19.5	2.87	15.65	0.10	1.2	0.229	2.56	16.0	35.8	0.76	588	0.96	1.86	7.7	2.5
S047675		200	6.60	9.45	0.09	0.6	0.584	1.75	13.9	35.6	0.79	1380	4.31	0.03	3.9	3.5
S047676		2.7	0.49	0.20	0.05	<0.1	0.007	0.04	0.5	1.7	13.05	218	0.11	0.01	0.2	1.8
S047677		11.3	2.89	15.85	0.11	1.1	0.053	2.80	19.3	22.1	0.74	996	0.92	1.38	7.2	2.4
S047678		4.5	2.50	14.65	0.10	1.0	0.051	2.48	18.4	19.0	0.83	1020	0.92	1.46	7.0	2.4
S047679		34.0	4.43	15.35	0.10	1.0	0.711	2.90	22.3	44.2	0.61	898	1.09	1.03	7.0	2.3
S047680		10.3	2.99	16.10	0.12	1.0	0.072	2.90	18.1	22.3	0.71	711	1.10	1.86	7.4	2.6
S047681		416	5.62	17.00	0.10	1.4	4.08	3.22	24.8	23.7	0.73	1860	3.89	0.08	7.1	3.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121843

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047496		410	1410	135.0	<0.002	5.33	48.3	7.4	1	5.2	54.5	0.44	0.47	10.30	0.168	1.99
S047497		590	704	106.0	<0.002	1.26	33.0	9.7	1	3.1	133.5	0.61	<0.05	11.45	0.239	1.76
S047498		570	20.9	36.0	<0.002	0.17	41.3	9.5	1	1.6	190.5	0.64	<0.05	10.65	0.245	1.07
S047499		580	326	128.5	<0.002	0.31	12.70	9.3	1	1.9	158.0	0.69	<0.05	12.40	0.244	1.93
S047500		610	96.4	151.5	<0.002	0.26	21.8	10.8	1	2.4	79.2	0.65	<0.05	14.70	0.254	1.63
S047651		630	22.3	106.5	<0.002	0.15	12.10	9.5	1	1.8	129.5	0.73	<0.05	10.05	0.269	1.77
S047652		430	33.2	179.5	<0.002	0.91	21.4	7.6	1	1.4	113.5	0.49	<0.05	11.40	0.180	2.54
S047653		440	9370	132.0	0.002	6.87	215	7.0	1	8.5	119.0	0.40	0.44	8.14	0.175	2.18
S047654		550	21.8	115.5	<0.002	0.24	13.70	8.9	1	1.7	122.5	0.58	<0.05	10.15	0.236	1.99
S047655		560	18.5	113.5	<0.002	0.15	6.94	8.7	1	1.7	238	0.63	<0.05	9.84	0.242	1.61
S047656		740	31.8	105.0	<0.002	0.60	17.30	8.3	1	1.8	255	0.64	<0.05	10.40	0.260	1.92
S047657		710	26.2	123.0	<0.002	0.63	16.85	8.6	1	1.7	232	0.60	<0.05	11.25	0.253	1.87
S047658		1340	23.8	101.5	<0.002	0.09	16.65	6.5	<1	1.7	601	0.71	<0.05	11.20	0.359	1.09
S047659		550	865	177.0	<0.002	2.82	38.1	9.2	1	5.1	123.5	0.56	0.08	11.45	0.230	2.54
S047660		560	562	118.0	<0.002	1.66	35.1	7.8	1	3.4	211	0.58	0.09	8.44	0.238	2.40
S047661		600	19.6	101.5	<0.002	0.22	19.30	9.7	1	2.0	115.5	0.64	<0.05	10.90	0.259	1.40
S047662		540	380	133.0	<0.002	1.27	15.55	8.9	1	4.3	116.5	0.52	0.09	10.45	0.209	2.23
S047663		620	244	160.0	<0.002	1.89	17.05	10.5	1	3.2	172.0	0.60	0.10	12.80	0.251	2.29
S047664		170	7.1	1.2	<0.002	0.01	0.14	0.2	<1	<0.2	51.0	<0.05	<0.05	0.09	<0.005	0.03
S047665		440	769	162.0	<0.002	1.67	7.29	8.1	<1	3.8	80.8	0.50	0.07	11.85	0.178	2.09
S047666		1330	20.7	84.0	<0.002	0.06	13.50	6.8	1	2.9	467	0.68	<0.05	8.87	0.349	1.08
S047667		660	172.0	113.5	<0.002	0.26	3.03	11.1	1	2.0	307	0.74	<0.05	10.40	0.281	1.51
S047668		570	20.1	97.1	<0.002	0.04	1.90	9.3	<1	1.5	336	0.64	<0.05	10.70	0.243	1.07
S047669		540	22.6	108.5	<0.002	0.08	2.83	8.8	1	1.4	265	0.62	<0.05	11.80	0.227	1.29
S047670		540	1300	166.5	0.002	4.67	68.6	9.5	2	8.0	97.5	0.53	1.16	11.25	0.209	2.63
S047671		540	791	145.5	<0.002	1.63	42.2	9.0	1	4.6	99.8	0.59	0.06	12.15	0.214	1.94
S047672		580	25.0	105.0	<0.002	0.03	1.92	9.8	1	1.3	356	0.73	<0.05	12.85	0.247	1.11
S047673		650	20.3	96.0	<0.002	0.12	1.39	11.0	1	1.6	389	0.65	<0.05	11.40	0.274	0.93
S047674		580	54.4	85.9	<0.002	0.40	3.18	8.9	1	1.5	327	0.60	<0.05	9.40	0.247	1.02
S047675		320	1710	99.3	<0.002	5.81	41.0	6.2	1	6.9	92.2	0.33	0.28	7.71	0.131	1.48
S047676		180	3.1	3.0	<0.002	0.01	0.09	0.2	1	0.2	51.7	<0.05	<0.05	0.11	<0.005	0.02
S047677		550	68.3	113.5	<0.002	0.68	2.65	8.9	1	3.0	280	0.62	0.05	9.72	0.226	1.66
S047678		530	50.1	91.6	<0.002	0.38	2.66	8.1	1	1.7	354	0.57	<0.05	8.67	0.223	1.41
S047679		560	1040	131.5	<0.002	2.38	3.31	9.6	1	3.8	224	0.58	<0.05	11.80	0.223	1.77
S047680		570	298	104.0	<0.002	0.28	2.86	9.2	1	1.6	353	0.59	<0.05	9.77	0.244	1.34
S047681		580	1265	175.0	<0.002	3.20	17.60	9.4	1	5.7	142.5	0.56	0.20	11.95	0.231	2.56

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121843

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047496		8.8	49	3.7	11.7	>10000	20.0	0.999
S047497		2.9	66	6.4	11.8	1220	25.4	0.062
S047498		4.8	74	5.9	15.4	118	26.0	<0.005
S047499		3.7	65	2.7	13.5	552	29.0	0.124
S047500		3.8	68	6.1	14.0	267	27.9	0.008
S047651		3.5	72	5.0	13.1	50	29.1	0.005
S047652		5.2	50	2.6	13.8	63	21.3	0.094
S047653		5.2	50	4.4	8.3	>10000	30.5	4.52
S047654		3.5	64	3.3	12.3	54	25.6	0.011
S047655		3.1	64	2.7	12.1	43	26.6	0.006
S047656		5.0	63	3.4	12.3	68	72.7	0.024
S047657		5.2	62	3.4	12.2	56	64.0	0.027
S047658		4.3	63	1.6	11.7	84	212	<0.005
S047659		6.2	60	4.0	11.1	1350	30.7	0.155
S047660		6.8	57	4.0	10.2	534	47.2	0.103
S047661		3.0	68	4.3	13.0	55	25.6	<0.005
S047662		4.8	58	3.5	11.5	804	23.7	0.097
S047663		7.1	67	3.3	14.6	587	33.3	0.125
S047664		0.6	2	0.1	0.8	36	<0.5	<0.005
S047665		5.1	50	2.6	10.8	593	21.6	0.059
S047666		4.4	64	2.6	11.8	79	184.5	<0.005
S047667		4.6	81	1.3	15.3	269	34.7	<0.005
S047668		3.7	67	0.9	14.1	49	32.5	<0.005
S047669		3.9	61	1.4	13.2	57	30.3	<0.005
S047670		5.3	61	6.1	10.9	2400	29.0	0.857
S047671		3.8	60	3.4	13.5	1780	33.0	0.141
S047672		4.4	65	1.0	15.9	62	34.5	<0.005
S047673		3.9	75	1.3	16.5	57	29.5	<0.005
S047674		2.8	67	1.6	11.5	349	35.4	0.058
S047675		8.1	41	3.5	11.0	3160	16.1	0.565
S047676		0.6	2	0.1	0.7	24	<0.5	<0.005
S047677		3.2	65	1.5	12.0	312	28.8	0.011
S047678		3.2	63	1.4	13.3	97	27.0	0.007
S047679		3.8	63	2.2	12.3	3420	27.9	0.055
S047680		3.0	67	1.6	12.3	385	26.9	0.007
S047681		4.2	63	5.0	10.3	9110	47.0	0.596

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121843

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
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Finalized Date: 16-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121844

Project: Klaza

P.O. No.: Batch 56

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

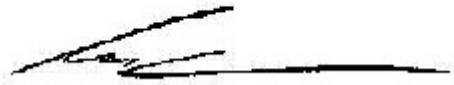
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121844

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
S047682		4.12				0.57	7.56	34.6	1780	1.83	0.41	1.60	1.54	40.3	7.4	11
S047683		4.70				0.17	7.12	8.9	2260	1.84	0.28	2.46	0.39	37.0	6.4	14
S047684		2.56				1.05	6.87	352	1600	1.84	0.32	1.91	1.14	37.4	7.4	9
S047685		2.82				0.38	6.79	69.8	1620	1.79	0.24	2.20	0.83	34.8	6.8	10
S047686		2.44				0.49	6.74	282	720	1.95	0.11	2.47	1.62	36.4	7.4	9
S047687		3.92				0.10	6.85	16.8	1940	1.78	0.20	2.64	0.15	33.6	8.0	11
S047688		7.48				0.77	7.05	319	1910	1.78	0.92	2.43	8.55	37.4	9.4	18
S047689		2.60				28.1	6.11	338	950	1.38	78.2	2.76	3.03	36.8	11.4	10
S047690		3.78				6.32	6.24	112.0	1290	1.54	17.85	2.80	0.81	35.0	11.4	10
S047691		3.52				0.24	7.06	83.8	1910	1.70	0.38	2.30	0.18	33.3	9.4	8
S047692		0.40	118		1.640	>100	5.29	7960	1000	1.38	54.7	1.94	221	29.2	10.2	19
S047693		3.90				0.36	6.98	29.5	2220	1.77	0.59	2.09	0.40	36.9	7.8	9
S047694		4.26				0.97	7.45	79.2	1030	1.94	0.35	2.65	1.21	45.0	7.7	9
S047695		2.68				9.13	6.86	254	1000	1.75	7.29	2.10	15.85	40.4	7.1	8
S047696		5.14				0.04	0.12	1.2	40	0.11	0.08	21.2	0.11	2.32	0.7	2
S047697		2.46				0.33	7.44	66.5	2770	1.68	0.42	1.78	0.32	42.9	6.7	9
S047698		5.02				3.94	6.33	104.5	3580	1.46	4.04	2.13	4.51	33.4	24.5	9
S047699		0.40				11.05	6.54	1515	1100	1.45	11.85	1.87	30.9	42.4	18.1	19
S047700		2.66				1.66	8.32	101.0	1220	2.08	1.39	1.70	10.95	51.9	9.0	10
S047627		4.10				0.72	7.41	64.4	1870	2.30	0.44	2.15	1.56	56.9	7.9	21
S047628		2.90	142	4.19		>100	5.59	358	1140	1.42	10.20	0.82	46.9	32.1	9.1	9
S047629		1.84				46.1	6.08	1335	1040	1.44	65.7	1.19	23.2	38.2	10.1	9
S047630		2.20				0.13	7.84	9.8	1500	1.32	0.18	1.44	0.15	47.0	5.4	8
S047631		0.98				0.33	7.94	9.3	1440	1.32	0.16	1.48	0.23	46.1	5.3	9
S047632		4.68				0.34	7.16	19.2	1620	1.34	0.54	1.68	0.29	40.8	6.7	11
S047633		1.94				0.60	7.02	46.0	1450	1.41	0.51	2.74	0.90	45.4	9.6	10
S047634		5.94				0.11	6.91	9.3	2110	1.45	0.14	2.23	0.15	37.3	5.3	10
S047635		6.42				0.51	7.57	26.9	1900	1.29	0.40	1.63	2.48	46.3	6.1	12
S047636		2.12				11.65	6.21	229	2630	1.23	11.70	2.07	4.52	44.3	35.1	10
S047637		5.38				0.02	0.07	0.2	700	0.05	0.04	20.9	0.07	1.35	0.6	1
S047638		4.24				0.17	7.56	10.6	2230	1.30	0.22	2.14	0.28	42.7	4.2	10
S047639		2.30				4.46	6.94	208	1210	1.29	3.07	2.71	9.40	54.6	8.8	10
S047640		4.32				0.29	6.97	8.5	2270	1.42	0.22	2.47	3.25	38.2	5.2	12
S047641		<0.02				0.25	7.01	8.0	2280	1.38	0.20	2.43	3.08	38.3	5.4	12
S047642		4.28				0.23	7.13	14.5	2350	1.62	0.31	2.55	0.22	46.2	7.2	10
S047643		2.14				0.86	6.62	39.2	1950	1.46	0.65	2.46	3.48	41.5	10.4	10

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121844

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047682		13.55	35.8	3.20	15.15	0.14	1.0	0.072	3.32	21.4	138.5	0.73	1040	0.81	0.07	7.4
S047683		11.90	9.3	2.98	15.10	0.15	1.0	0.045	3.04	19.4	29.0	0.67	649	1.12	1.42	7.5
S047684		13.80	59.2	4.23	14.40	0.14	0.9	0.312	3.07	19.6	55.5	0.71	3590	0.81	0.18	6.7
S047685		15.00	20.7	2.73	15.00	0.15	1.0	0.062	3.29	17.9	92.8	0.65	1360	0.88	0.09	7.3
S047686		19.55	7.0	2.22	14.85	0.16	1.0	0.037	3.22	18.8	21.4	0.73	1240	1.14	0.05	7.4
S047687		12.00	14.6	2.78	16.05	0.14	1.1	0.037	3.09	17.3	40.8	0.66	492	0.94	0.79	8.0
S047688		9.92	38.4	3.34	15.30	0.16	1.0	0.838	3.04	19.6	16.1	0.68	751	1.18	1.36	7.7
S047689		8.18	413	5.24	12.70	0.16	0.8	0.349	2.57	19.9	32.1	0.58	1120	5.04	0.45	6.1
S047690		10.45	70.1	2.98	14.55	0.15	0.8	0.091	2.97	17.5	33.5	0.59	964	0.80	0.14	7.0
S047691		11.15	8.6	3.06	15.90	0.15	0.9	0.052	2.89	16.6	47.9	0.67	796	0.63	0.39	7.9
S047692		10.95	1280	7.85	12.75	0.16	1.0	4.23	2.32	15.7	36.7	0.62	2910	14.00	0.08	5.5
S047693		19.35	11.1	2.68	15.90	0.14	1.2	0.044	1.45	18.7	441	0.63	624	1.02	0.03	8.4
S047694		23.0	14.3	3.23	16.80	0.16	1.2	0.100	3.11	24.1	29.9	0.81	4640	0.99	0.03	8.3
S047695		16.80	303	4.19	15.05	0.15	1.3	0.555	2.87	21.6	21.6	0.71	4960	6.98	0.02	7.3
S047696		0.33	2.8	0.49	0.32	0.12	<0.1	0.006	0.04	1.1	3.5	13.00	228	0.08	0.01	0.5
S047697		20.9	7.0	2.42	16.45	0.14	1.3	0.047	3.32	22.2	26.3	0.67	1000	0.75	0.04	8.3
S047698		12.15	108.5	5.92	13.55	0.14	1.0	0.217	2.92	17.6	19.6	0.78	1380	1.59	0.05	6.0
S047699		12.90	284	6.39	15.15	0.14	1.1	0.743	2.89	22.0	20.4	0.76	1730	8.82	0.12	6.4
S047700		27.1	32.2	3.02	18.10	0.15	3.5	0.375	2.78	26.8	119.5	0.73	1120	1.64	0.04	10.5
S047627		22.0	23.0	2.78	17.90	0.14	4.1	0.093	2.25	29.1	194.0	0.93	774	1.07	0.04	10.7
S047628		15.60	514	5.07	12.05	0.13	0.9	1.420	2.24	16.3	31.4	0.39	989	4.45	0.03	5.6
S047629		15.35	691	6.04	12.80	0.12	1.2	1.220	2.35	19.7	62.2	0.58	1730	5.30	0.04	6.2
S047630		12.30	4.6	2.69	15.25	0.14	1.5	0.040	2.21	24.7	106.5	0.48	601	0.93	0.08	8.7
S047631		11.80	6.0	2.79	15.90	0.15	1.5	0.040	2.31	24.3	74.7	0.49	624	1.10	0.08	9.0
S047632		16.50	19.2	2.78	15.70	0.12	1.1	0.053	2.62	20.7	152.5	0.58	658	1.34	0.09	8.0
S047633		27.2	30.2	3.06	14.80	0.15	1.1	0.075	2.69	25.5	72.4	0.93	1100	1.22	0.04	7.2
S047634		15.90	8.9	2.75	15.30	0.13	1.1	0.047	2.81	18.5	76.0	0.56	548	1.26	0.91	7.9
S047635		13.45	11.9	2.97	17.30	0.11	1.1	0.062	2.64	24.5	80.7	0.60	800	1.71	0.09	8.0
S047636		12.50	271	6.24	14.20	0.11	0.9	0.157	2.60	24.1	38.5	0.81	1170	1.99	0.31	6.6
S047637		0.28	1.8	0.48	0.24	0.10	<0.1	0.006	0.03	0.7	1.1	12.90	222	0.08	0.01	0.2
S047638		13.50	16.0	3.09	16.50	0.11	1.1	0.049	3.03	21.7	38.1	0.68	649	2.01	1.31	8.0
S047639		16.90	81.8	4.00	14.90	0.11	1.2	0.217	3.00	30.2	42.9	0.92	1380	2.23	0.15	7.2
S047640		9.71	24.6	2.89	15.55	0.12	1.1	0.048	2.72	18.8	12.9	0.79	545	2.39	2.10	8.3
S047641		9.48	22.5	2.92	15.40	0.13	1.1	0.043	2.73	18.8	12.6	0.78	549	1.24	2.09	8.2
S047642		13.05	38.5	3.04	15.95	0.15	1.2	0.053	2.65	22.7	29.4	0.76	594	0.82	1.89	8.9
S047643		17.70	29.1	3.09	14.65	0.12	1.0	0.105	2.86	21.6	77.7	0.87	967	1.23	0.14	7.4

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121844

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047682		2.6	570	107.5	147.5	<0.002	0.53	8.20	10.2	<1	2.1	144.5	0.60	<0.05	12.10	0.235
S047683		2.6	550	19.6	109.5	<0.002	0.07	3.01	10.0	<1	1.5	295	0.60	<0.05	11.25	0.235
S047684		2.5	540	180.5	129.0	<0.002	1.12	14.70	9.3	<1	3.0	107.0	0.53	<0.05	10.95	0.218
S047685		2.4	560	55.8	121.0	<0.002	0.44	8.62	9.6	<1	1.9	134.0	0.59	<0.05	10.40	0.236
S047686		2.8	550	69.3	128.5	<0.002	0.97	9.40	9.5	<1	1.5	96.1	0.61	<0.05	10.45	0.235
S047687		2.5	560	17.7	97.0	<0.002	0.14	5.72	9.9	<1	1.6	212	0.66	<0.05	10.25	0.245
S047688		2.7	560	62.0	115.5	<0.002	0.66	4.30	10.5	<1	2.5	256	0.63	<0.05	11.30	0.241
S047689		2.5	460	341	118.5	<0.002	3.91	70.6	8.6	<1	2.5	151.5	0.50	0.17	10.70	0.190
S047690		2.5	510	102.5	110.0	<0.002	1.21	14.50	9.2	<1	2.7	118.5	0.55	0.13	9.46	0.221
S047691		2.6	590	18.5	91.0	<0.002	0.31	5.92	9.9	<1	2.3	148.0	0.63	<0.05	10.05	0.249
S047692		15.3	440	9550	129.0	0.002	6.97	211	7.6	<1	7.7	119.5	0.45	0.46	8.43	0.177
S047693		2.4	560	22.4	46.2	<0.002	0.27	18.65	10.1	<1	1.5	234	0.74	<0.05	10.95	0.250
S047694		2.9	590	149.5	144.5	<0.002	1.56	11.85	11.1	<1	2.0	158.0	0.66	0.05	13.10	0.252
S047695		3.1	510	612	142.0	<0.002	3.15	73.9	9.7	<1	7.5	96.4	0.60	0.12	12.80	0.220
S047696		1.7	190	3.7	1.8	<0.002	<0.01	0.43	0.3	<1	<0.2	50.6	<0.05	<0.05	0.41	0.007
S047697		2.4	600	21.9	158.0	<0.002	0.99	6.21	10.2	<1	1.3	133.0	0.70	0.12	12.10	0.245
S047698		3.0	490	191.5	167.0	<0.002	5.39	17.50	8.4	1	2.0	144.0	0.49	0.81	10.40	0.182
S047699		12.4	520	1290	159.0	0.003	4.59	57.8	9.2	1	7.4	94.3	0.52	1.04	11.30	0.200
S047700		4.5	870	201	115.0	<0.002	0.78	18.85	8.9	<1	1.9	407	0.83	<0.05	11.60	0.306
S047627		7.3	1240	70.1	73.7	<0.002	0.22	14.85	6.6	<1	1.5	574	0.76	<0.05	8.32	0.336
S047628		2.9	440	>10000	123.0	<0.002	5.54	268	7.5	<1	7.5	78.5	0.47	0.14	9.35	0.176
S047629		2.7	470	1905	123.0	<0.002	4.53	92.3	8.4	<1	4.4	97.7	0.53	0.26	10.15	0.197
S047630		1.8	620	21.4	80.2	<0.002	0.10	11.60	9.8	<1	1.5	107.0	0.83	<0.05	14.20	0.254
S047631		1.9	600	83.8	83.5	<0.002	0.07	11.05	10.0	<1	1.7	95.0	0.85	<0.05	14.65	0.256
S047632		2.3	570	43.1	91.1	<0.002	0.27	20.4	9.8	<1	2.0	126.0	0.69	<0.05	11.90	0.242
S047633		2.7	510	116.0	116.5	<0.002	0.67	28.1	8.9	<1	2.1	116.5	0.59	<0.05	12.75	0.222
S047634		2.2	580	27.9	91.0	<0.002	0.09	8.45	9.2	<1	2.0	215	0.66	<0.05	10.60	0.244
S047635		2.2	570	216	107.5	<0.002	0.44	18.35	9.6	1	2.8	119.5	0.67	<0.05	12.05	0.248
S047636		3.6	510	2040	162.5	<0.002	4.52	101.0	9.3	1	4.7	100.5	0.53	0.46	11.45	0.201
S047637		1.6	160	3.6	1.6	<0.002	0.02	0.17	0.2	<1	<0.2	74.2	<0.05	<0.05	0.09	<0.005
S047638		2.2	620	25.4	109.5	<0.002	0.15	6.14	9.9	<1	2.1	255	0.68	<0.05	11.30	0.269
S047639		2.2	530	627	182.0	<0.002	2.26	32.7	9.3	1	4.8	139.0	0.58	0.10	10.90	0.231
S047640		2.5	570	150.5	91.1	<0.002	0.17	3.83	9.3	<1	2.1	327	0.69	<0.05	10.90	0.248
S047641		2.4	590	139.0	92.0	<0.002	0.18	3.64	9.4	<1	2.0	327	0.70	<0.05	11.15	0.248
S047642		2.6	590	22.5	109.0	<0.002	0.39	7.51	10.1	<1	2.2	315	0.73	0.05	11.85	0.250
S047643		2.7	570	141.5	125.5	<0.002	1.11	17.25	8.9	<1	2.3	134.0	0.60	0.08	11.05	0.228

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121844

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047682		2.04	4.8	67	2.4	12.4	207	25.2	0.047
S047683		1.42	3.6	64	1.3	14.3	77	26.0	0.005
S047684		2.07	3.9	60	2.3	13.2	131	24.0	0.232
S047685		2.18	3.3	63	2.2	12.9	93	26.1	0.010
S047686		2.84	4.4	62	2.6	12.8	164	25.8	0.244
S047687		1.60	3.2	65	1.6	14.4	45	28.8	0.005
S047688		1.60	3.7	65	2.1	13.9	1080	27.2	0.074
S047689		1.58	4.6	52	4.1	12.5	307	21.7	4.68
S047690		1.99	3.7	60	2.9	13.1	107	23.2	0.698
S047691		1.63	3.0	67	3.9	12.2	68	26.6	0.026
S047692		2.11	5.2	51	4.2	9.2	>10000	30.7	4.26
S047693		1.08	2.3	64	3.4	14.4	71	29.7	0.009
S047694		3.47	5.3	68	6.2	15.2	144	32.8	0.037
S047695		3.26	5.2	59	10.0	11.9	1730	34.8	0.282
S047696		<0.02	0.9	2	0.1	1.1	23	<0.5	<0.005
S047697		3.33	5.3	68	4.4	13.5	74	33.9	0.010
S047698		2.41	4.4	51	2.0	13.5	414	29.3	0.133
S047699		2.46	5.3	61	5.8	11.7	2330	29.0	0.855
S047700		1.97	7.9	72	6.1	15.7	801	125.5	0.107
S047627		1.38	3.4	65	2.6	12.0	189	154.0	0.040
S047628		2.01	5.0	50	4.1	9.6	4950	25.4	0.409
S047629		1.88	5.1	61	2.7	12.4	2320	29.7	5.31
S047630		1.01	2.3	64	4.0	16.4	44	37.1	<0.005
S047631		1.09	2.2	65	3.5	17.0	53	38.4	<0.005
S047632		1.38	2.9	66	4.3	14.6	60	29.2	0.010
S047633		1.78	9.9	59	3.7	14.7	94	28.2	0.049
S047634		1.29	2.5	65	2.3	14.1	46	30.5	<0.005
S047635		1.61	5.4	66	3.0	14.8	285	32.5	0.010
S047636		2.00	6.0	58	2.0	12.5	468	24.9	0.819
S047637		<0.02	0.6	2	0.1	0.9	20	<0.5	<0.005
S047638		1.50	4.4	72	1.9	14.9	70	32.8	0.005
S047639		2.29	5.2	62	2.9	14.5	830	38.4	0.236
S047640		1.29	3.2	67	1.2	15.2	318	30.0	<0.005
S047641		1.20	3.3	67	1.3	15.4	312	29.5	<0.005
S047642		1.46	3.9	68	1.5	17.1	65	30.7	0.005
S047643		2.07	5.2	63	2.2	14.4	264	27.9	0.034

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 16-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121844

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 23-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121846

Project: Klaza

P.O. No.: Batch 57

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

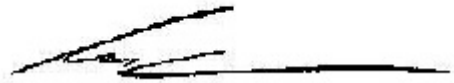
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121846

Sample Description	Method	WEI-21	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
S047501		11.16		0.81	7.63	51.9	1200	1.64	23.2	0.66	0.66	55.3	8.0	9	12.65	199.0
S047502		8.00		0.71	7.70	63.5	1040	1.85	10.40	1.13	1.12	57.6	5.4	9	13.90	164.5
S047503		8.52		0.84	6.78	74.9	920	1.65	2.39	1.69	1.21	48.4	5.3	8	11.60	264
S047504		5.30		0.08	0.07	0.2	20	0.06	0.09	20.7	0.06	1.20	0.6	1	0.14	2.6
S047505		6.86		1.21	7.51	112.5	1130	1.54	3.85	1.23	1.12	47.8	2.3	11	10.65	215
S047506		4.96		0.85	7.46	93.0	1120	1.71	2.22	1.37	0.57	60.8	2.8	9	10.25	263
S047507		6.56		0.96	7.26	73.0	960	1.62	4.39	2.34	0.63	44.3	3.3	8	10.90	179.5
S047508		9.52		0.71	7.64	24.1	1720	1.78	5.23	1.30	0.98	55.3	3.1	8	16.50	213
S047509		0.34		4.63	6.84	733	540	1.48	3.58	2.09	10.60	46.7	13.0	26	13.85	316
S047510		10.06		1.12	7.67	90.2	1450	1.64	5.05	0.92	0.54	48.7	3.7	9	16.45	292
S047511		6.70		1.49	7.52	103.0	1550	1.66	4.15	1.11	0.46	51.8	11.9	8	14.50	376
S047512		4.02		1.00	6.77	60.4	1370	1.58	6.85	3.11	0.75	44.4	4.0	8	11.20	251
S047513		9.14		0.34	7.20	28.8	1350	1.53	0.94	1.43	0.19	50.4	1.8	8	11.60	83.1
S047514		4.84		1.74	6.61	116.5	200	1.49	6.32	0.15	0.53	30.9	11.8	7	20.6	61.9
S047515		8.30		0.57	7.35	46.3	780	1.53	2.62	0.88	0.36	40.1	8.5	7	13.25	112.5
S047516		9.82		0.55	7.02	46.7	1020	1.47	2.01	1.66	0.35	47.4	2.0	9	11.55	133.0
S047517		6.72		1.09	7.24	76.6	770	1.63	3.13	0.98	0.91	55.8	2.6	9	12.35	239
S047518		5.48	10.55	44.7	6.00	685	630	1.33	190.5	0.30	8.31	23.2	70.8	6	9.76	3150
S047519		5.12		0.12	0.11	1.2	20	0.07	0.42	21.2	0.07	1.44	0.8	1	0.25	8.7
S047520		8.86		0.64	7.46	39.8	1280	1.47	1.52	1.08	0.64	56.5	8.3	9	11.05	68.1
S047521		7.06		2.23	7.25	121.5	1680	1.37	4.81	1.45	2.24	72.7	5.6	9	13.95	224
S047522		0.36		38.4	5.61	2540	1080	1.01	35.3	1.60	44.9	35.6	16.4	22	9.74	1165
S047523		12.84		0.59	6.99	38.8	1480	1.44	3.51	1.14	0.73	60.0	7.1	6	16.00	97.4
S047524		12.76		0.74	7.11	74.8	1190	1.62	9.57	0.78	0.76	76.7	9.1	7	10.25	168.5
S047525		6.98		0.45	6.72	18.8	1060	1.55	3.42	2.06	0.51	45.7	13.6	10	9.31	32.9
S047526		5.80		0.82	6.94	73.7	630	1.67	6.38	0.70	0.81	45.6	16.9	8	8.78	89.9
S047527		11.16		1.08	7.51	34.1	1150	1.54	4.32	1.36	1.15	94.8	8.0	10	9.54	366
S047528		<0.02		0.93	7.21	30.4	1310	1.63	3.88	1.30	1.14	91.2	7.8	8	9.26	314
S047529		7.18		23.9	6.78	266	80	1.15	35.1	0.13	1.45	16.80	299	5	4.39	6410
S047530		8.92		0.97	7.36	17.5	2020	1.50	5.58	0.55	1.41	73.9	13.6	8	18.20	225
S047531		8.12		0.99	7.60	14.5	2040	1.70	1.95	1.32	0.26	83.3	4.9	10	21.6	409
S047532		4.44		1.33	7.43	16.8	1990	1.79	3.05	1.35	0.44	77.1	4.5	9	20.7	595
S047533		7.66		1.33	7.25	13.5	2010	1.38	2.80	1.59	0.17	86.0	7.5	6	15.15	360
S047534		8.24		1.34	7.34	16.3	2060	1.67	1.50	1.30	0.45	97.0	12.7	8	17.05	462
S047535		10.76		0.79	7.35	22.5	1770	1.84	1.89	1.66	1.15	83.6	13.5	7	18.30	280
S047536		14.84		1.07	7.60	11.9	1480	1.72	60.7	1.36	0.34	73.4	10.9	9	25.9	194.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S047501		1.91	16.70	0.07	1.4	0.036	3.56	35.0	54.5	0.44	169	3.53	0.07	5.3	1.6	360
S047502		1.81	18.00	0.08	1.5	0.030	3.55	36.8	28.3	0.49	207	2.49	0.05	5.6	2.2	340
S047503		2.18	15.20	0.07	1.4	0.049	3.09	31.2	30.3	0.68	344	5.08	0.04	4.4	1.7	290
S047504		0.47	0.20	<0.05	<0.1	0.005	0.03	0.6	1.0	13.00	200	0.07	0.01	0.1	1.2	190
S047505		2.24	16.25	0.08	1.5	0.034	3.30	29.1	45.4	0.69	383	5.99	0.05	5.2	1.6	320
S047506		1.95	15.75	0.08	1.6	0.042	3.75	38.3	11.2	0.52	178	1.27	0.05	5.0	2.2	320
S047507		2.43	15.00	0.08	1.6	0.043	3.47	26.8	37.3	0.77	316	10.25	0.05	4.9	1.8	320
S047508		1.76	15.60	0.09	1.7	0.032	4.38	32.8	41.0	0.40	202	6.71	0.10	5.8	1.8	310
S047509		5.15	14.65	0.08	1.1	0.303	3.04	25.2	28.5	0.79	1960	12.40	0.15	6.4	14.2	560
S047510		2.15	16.40	0.08	1.5	0.039	4.07	30.5	72.4	0.39	149	4.48	0.10	5.2	1.7	320
S047511		1.96	16.20	0.08	1.5	0.049	3.78	32.0	44.3	0.40	134	2.24	0.09	5.3	1.9	320
S047512		1.95	15.00	0.07	1.5	0.060	3.68	26.5	35.9	0.33	208	3.11	0.07	5.4	1.5	290
S047513		1.67	15.30	0.07	1.4	0.021	2.51	30.7	80.8	0.49	192	0.96	0.05	4.6	1.3	320
S047514		4.46	14.25	0.06	1.4	0.084	2.70	18.2	115.0	0.27	75	11.75	0.04	4.3	1.5	220
S047515		2.51	15.90	0.07	1.6	0.035	3.44	23.6	50.3	0.38	148	12.65	0.08	6.2	2.6	320
S047516		1.71	15.10	0.08	1.4	0.023	3.27	29.6	31.0	0.96	325	1.86	0.05	4.6	1.2	310
S047517		1.79	15.35	0.07	1.4	0.033	3.37	36.6	43.3	0.63	254	1.53	0.04	4.2	1.4	300
S047518		7.97	12.90	0.07	1.2	1.375	2.82	13.8	26.6	0.27	151	8.14	0.05	2.8	3.2	150
S047519		0.52	0.32	<0.05	<0.1	0.007	0.03	0.7	1.0	13.20	208	0.19	0.02	0.3	1.6	190
S047520		1.89	15.45	0.09	1.4	0.026	3.90	36.4	22.7	0.44	142	1.59	0.06	4.3	1.5	340
S047521		1.88	17.35	0.15	1.7	0.083	3.91	46.4	23.0	0.36	292	5.01	0.12	5.1	1.9	360
S047522		8.86	14.15	0.10	0.8	1.540	2.54	18.1	14.1	0.66	2300	16.25	0.06	4.9	14.4	460
S047523		1.87	17.20	0.12	1.7	0.026	3.76	40.2	32.7	0.40	175	6.20	0.10	4.7	1.7	300
S047524		2.28	17.30	0.14	1.8	0.039	3.26	49.8	42.9	0.46	335	2.11	0.05	4.3	1.6	310
S047525		2.24	16.60	0.12	1.7	0.021	3.79	25.8	29.4	0.31	186	1.64	0.06	5.2	1.7	300
S047526		3.39	16.60	0.09	1.7	0.033	3.32	27.8	24.5	0.35	171	2.83	0.05	4.6	1.5	250
S047527		2.40	17.45	0.14	1.9	0.049	4.18	62.8	21.6	0.34	177	1.46	0.12	4.9	1.5	290
S047528		2.21	16.90	0.12	1.8	0.048	4.02	60.0	21.0	0.33	171	1.38	0.12	4.6	1.4	290
S047529		16.30	15.40	0.09	1.6	0.394	3.42	8.8	7.1	0.21	68	3.99	0.07	3.0	8.5	90
S047530		2.21	16.95	0.12	1.7	0.032	4.29	50.5	30.8	0.40	142	13.65	0.27	5.3	2.3	310
S047531		1.61	17.55	0.15	1.8	0.041	4.45	58.0	39.2	0.42	149	7.38	1.02	5.9	1.6	300
S047532		1.63	16.95	0.13	1.9	0.052	4.22	53.1	40.2	0.41	139	5.26	0.93	5.7	1.4	290
S047533		1.58	17.00	0.14	1.7	0.031	4.20	59.6	33.1	0.53	178	2.90	0.78	4.9	1.5	290
S047534		1.55	17.50	0.16	1.8	0.030	4.13	69.0	26.5	0.44	156	2.46	0.94	5.3	1.9	300
S047535		1.76	17.55	0.15	1.8	0.033	4.14	56.6	36.7	0.39	108	3.79	0.23	5.5	2.1	290
S047536		2.03	19.10	0.13	1.9	0.036	4.17	47.4	41.8	0.55	133	9.84	0.22	5.4	1.6	300

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Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S047501		25.6	178.0	<0.002	0.92	12.40	3.2	1	3.2	50.3	0.51	1.82	15.85	0.127	2.51	3.7
S047502		20.8	185.0	<0.002	1.17	19.15	3.5	1	3.6	31.0	0.52	0.68	16.75	0.119	2.81	3.5
S047503		23.4	160.0	<0.002	1.51	52.5	2.9	1	2.7	38.6	0.44	0.32	14.55	0.105	2.34	3.5
S047504		1.4	1.4	<0.002	0.01	0.22	0.1	<1	<0.2	44.7	<0.05	<0.05	0.14	<0.005	0.02	0.5
S047505		53.5	176.0	<0.002	1.80	23.0	3.3	1	3.1	46.4	0.50	0.36	15.15	0.127	2.64	4.3
S047506		21.8	197.0	<0.002	1.50	22.6	3.4	1	3.1	42.5	0.49	0.24	15.50	0.114	2.79	3.7
S047507		38.6	182.0	<0.002	1.97	21.6	3.1	1	2.6	50.0	0.49	0.96	15.55	0.111	2.76	4.2
S047508		23.7	197.0	<0.002	1.34	9.35	3.4	1	2.6	88.5	0.56	0.55	16.75	0.124	2.90	4.0
S047509		511	153.0	0.003	2.77	29.0	9.5	1	5.4	111.0	0.48	0.30	11.90	0.209	2.54	5.1
S047510		29.9	192.0	<0.002	1.76	19.85	3.2	1	3.2	100.5	0.52	0.55	16.50	0.112	2.73	3.4
S047511		41.1	182.5	<0.002	1.61	20.5	3.2	1	3.1	75.2	0.52	0.28	16.40	0.115	2.36	3.1
S047512		46.1	165.0	<0.002	1.72	15.70	2.7	1	3.5	88.6	0.52	0.40	14.15	0.110	2.43	2.8
S047513		14.5	117.0	<0.002	1.26	17.90	3.0	1	2.1	62.0	0.45	0.21	15.05	0.106	1.76	2.6
S047514		57.6	147.0	<0.002	4.40	11.00	2.5	2	6.8	62.7	0.44	0.57	14.25	0.093	2.07	9.4
S047515		22.4	166.5	<0.002	2.21	21.1	3.2	1	2.5	61.9	0.58	0.44	16.45	0.112	2.18	3.4
S047516		18.2	185.5	<0.002	1.06	26.8	2.8	1	2.6	37.0	0.46	0.34	15.20	0.103	2.64	2.8
S047517		31.9	190.5	<0.002	1.08	30.5	3.0	1	2.6	36.1	0.43	0.43	16.00	0.095	2.66	3.1
S047518		514	157.0	<0.002	7.75	206	1.9	2	18.6	28.6	0.26	1.44	11.10	0.063	1.97	4.4
S047519		2.4	1.6	<0.002	0.01	0.65	0.3	<1	<0.2	47.8	<0.05	<0.05	0.15	0.007	0.02	0.8
S047520		32.4	223	<0.002	1.59	11.05	2.9	<1	1.9	46.8	0.42	0.20	15.70	0.095	3.00	2.4
S047521		82.2	187.0	<0.002	1.28	21.7	3.5	1	2.4	90.1	0.48	0.38	14.80	0.101	2.56	2.6
S047522		1550	147.0	0.003	7.67	101.5	8.2	2	10.5	63.1	0.38	0.67	8.46	0.168	2.15	5.1
S047523		27.9	190.0	<0.002	1.55	11.95	3.1	1	2.0	67.8	0.45	0.48	14.40	0.089	2.38	2.3
S047524		26.2	195.5	<0.002	1.42	16.05	3.1	1	2.6	58.3	0.43	0.86	16.95	0.085	2.58	3.2
S047525		51.0	154.5	<0.002	2.04	4.94	3.0	1	2.2	71.6	0.48	0.29	11.75	0.096	2.52	2.0
S047526		54.9	179.0	<0.002	2.83	5.79	2.8	1	3.5	30.3	0.43	0.72	15.25	0.086	2.24	3.1
S047527		25.2	192.0	<0.002	1.93	4.56	3.1	1	3.1	73.1	0.43	0.67	15.25	0.095	2.46	2.9
S047528		23.8	185.5	<0.002	1.76	4.95	3.0	1	3.2	68.2	0.43	0.40	14.75	0.090	2.44	2.7
S047529		194.0	188.0	<0.002	>10.0	8.80	1.5	5	12.8	13.3	0.27	1.34	8.67	0.055	1.92	2.7
S047530		27.8	180.0	<0.002	1.71	4.29	3.2	1	2.3	121.5	0.48	0.54	16.15	0.099	2.46	3.1
S047531		14.9	192.5	0.002	1.26	3.09	3.3	1	2.2	204	0.54	0.20	16.25	0.107	2.63	3.3
S047532		16.0	172.0	<0.002	1.25	2.67	3.2	1	2.4	199.5	0.54	0.19	15.05	0.104	2.46	3.2
S047533		17.8	154.5	<0.002	1.20	3.70	3.0	1	1.8	172.0	0.44	0.09	14.00	0.092	2.25	2.0
S047534		18.6	159.0	<0.002	1.21	4.56	3.1	1	1.9	173.5	0.49	0.17	15.25	0.098	2.13	2.8
S047535		31.9	177.5	0.002	1.45	4.64	3.3	1	2.6	123.5	0.51	0.17	15.60	0.101	2.41	3.8
S047536		34.9	201	<0.002	1.65	4.21	3.4	1	2.5	107.5	0.52	2.50	17.20	0.095	2.91	2.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121846

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
S047501		27	2.3	11.1	49	46.1	0.035
S047502		26	2.0	12.0	45	48.8	0.044
S047503		23	1.6	10.2	79	41.1	0.075
S047504		2	0.1	0.7	15	0.5	<0.005
S047505		26	2.0	10.8	92	49.0	0.081
S047506		22	1.5	9.8	52	50.1	0.035
S047507		23	1.8	11.0	66	52.2	0.071
S047508		22	1.6	12.0	62	53.2	0.047
S047509		68	5.4	12.0	904	30.3	0.359
S047510		24	1.7	8.4	74	50.2	0.118
S047511		23	1.7	8.6	58	49.7	0.271
S047512		21	2.0	11.0	56	48.6	0.365
S047513		23	2.1	9.3	27	45.9	0.027
S047514		19	5.6	7.0	63	45.7	5.90
S047515		23	2.1	10.2	50	49.5	0.069
S047516		22	1.9	9.4	47	44.6	0.082
S047517		21	2.2	10.0	83	43.7	0.073
S047518		15	6.5	5.6	417	36.6	>10.0
S047519		3	0.1	0.9	16	0.8	<0.005
S047520		22	2.2	8.2	44	45.3	0.046
S047521		22	2.5	9.8	198	52.8	0.071
S047522		54	7.4	9.1	3350	22.8	1.730
S047523		19	2.4	9.6	66	55.7	0.061
S047524		20	3.2	10.7	98	53.7	0.050
S047525		19	3.6	8.0	44	56.3	0.058
S047526		19	3.9	9.9	93	55.1	0.204
S047527		19	3.3	10.9	81	59.8	0.576
S047528		18	3.1	10.6	80	57.4	0.263
S047529		10	4.1	4.3	79	49.4	7.74
S047530		21	3.0	11.5	118	57.7	0.075
S047531		21	2.3	10.7	35	61.1	0.223
S047532		21	2.4	9.9	40	58.2	0.250
S047533		21	2.5	9.6	49	56.8	0.249
S047534		21	3.0	9.9	48	58.1	0.136
S047535		18	3.0	10.4	71	58.8	0.179
S047536		22	4.1	10.4	39	59.4	0.072

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 23-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121846

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-31	PUL-31d	SPL-21	SPL-21d
WEI-21			

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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121848

Project: Klaza

P.O. No.: Batch 58

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

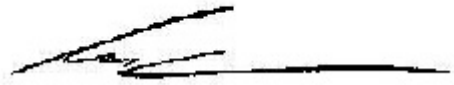
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121848

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
S047644		5.74		0.10	7.19	10.9	2510	1.41	0.24	2.50	0.19	45.9	5.9	14	14.65	14.1
S047645		2.72		5.56	7.23	115.5	1310	1.70	5.80	2.20	40.0	50.9	8.1	11	21.6	167.0
S047646		2.76		0.42	7.28	68.3	1760	1.72	0.47	2.24	0.49	54.2	7.6	15	20.8	92.2
S047647		2.56		5.89	7.20	168.5	990	1.86	8.19	1.03	14.05	46.3	6.2	13	19.60	186.0
S047648		1.20		2.87	7.42	165.5	1100	1.92	2.78	1.08	10.10	51.3	5.6	12	20.5	117.0
S047649		6.70		0.15	7.63	25.4	1010	1.85	0.12	3.51	0.18	57.7	6.6	10	24.1	6.6
S047650		6.92		0.07	7.31	14.5	980	1.82	0.13	3.43	0.11	53.9	6.5	10	26.1	6.3
S047701		2.64		6.64	7.40	201	1020	1.60	8.71	2.68	66.5	50.1	7.0	10	31.8	130.5
S047702		2.20		9.69	7.29	235	930	1.52	10.00	1.78	33.3	50.2	8.7	12	20.2	235
S047703		2.42	2.28	84.4	6.69	907	320	1.43	115.5	0.94	342	44.4	7.5	11	14.50	1425
S047704		5.84		0.50	7.50	27.8	2020	1.25	0.62	1.06	0.83	50.6	7.0	13	19.85	40.7
S047705		2.32		0.28	7.65	15.0	1010	1.30	0.66	1.30	0.35	49.9	8.7	13	13.40	14.5
S047706		11.66		5.79	7.01	725	600	1.37	6.00	1.57	48.5	43.8	8.9	13	15.10	148.5
S047707		7.20		0.02	0.09	1.3	80	0.05	0.04	20.7	0.12	1.59	0.7	1	0.21	3.6
S047708		3.02		2.50	6.76	128.0	460	1.29	3.21	1.46	3.51	59.6	5.2	13	12.50	96.0
S047709		4.14		2.76	6.95	112.5	780	1.38	5.06	2.27	3.76	54.9	7.5	12	19.05	67.2
S047710		4.20		0.35	7.30	20.1	800	1.30	0.73	2.90	0.27	54.9	9.7	13	16.30	35.6
S047711		15.20		0.51	7.46	19.3	1760	1.55	0.50	2.06	1.97	48.4	6.4	13	18.65	9.7
S047712		0.40		4.37	6.62	720	470	1.31	3.70	2.04	10.80	48.2	12.7	27	12.35	310
S047713		2.32		0.57	7.65	81.7	620	1.54	0.69	1.87	3.13	52.5	8.8	12	23.1	10.0
S047714		2.16	2.13	43.4	4.95	7270	1010	0.97	2.25	0.11	277	25.1	6.8	21	9.90	503
S047715		6.58		0.05	0.06	5.5	40	0.06	0.04	20.6	0.28	1.23	0.8	1	0.21	2.7
S047716		2.90		8.15	6.71	4440	1970	1.29	1.76	1.21	59.0	48.0	8.2	14	16.55	95.2
S047717		11.52		0.13	7.68	11.8	2240	1.41	0.23	2.48	0.19	51.4	8.2	14	13.40	15.5
S047718		2.24		8.55	6.40	352	350	1.35	6.91	2.11	15.35	44.2	10.5	12	13.90	328
S047719		4.64		0.31	7.07	98.2	1880	1.66	0.34	2.61	0.43	39.6	7.2	14	15.10	23.9
S047720		<0.02		0.36	6.80	101.0	1810	1.51	0.45	2.49	0.36	35.1	6.3	13	13.40	23.6
S047721		1.90		0.52	6.34	162.5	2980	1.66	0.23	2.79	0.33	35.7	6.7	14	15.70	23.6
S047722		3.74		0.48	6.69	198.0	3230	1.56	0.54	2.28	0.32	34.1	7.7	15	16.95	30.1
S047723		2.92		0.52	6.74	110.5	2740	1.50	0.31	2.07	0.85	35.6	5.4	15	17.05	16.0
S047724		0.40		11.20	6.51	1480	2000	1.32	10.80	1.84	28.4	39.9	16.6	19	12.10	275
S047725		2.36		1.44	6.96	126.0	740	1.69	0.56	2.53	9.49	41.5	5.9	17	16.20	12.8
S047726		2.36		0.84	7.45	106.0	920	1.65	0.42	1.61	2.96	48.1	6.4	16	17.35	6.0
S047727		2.36		5.49	6.05	673	500	1.86	1.27	2.78	95.4	42.0	4.7	8	41.1	110.5
S047728		3.28		0.35	6.71	66.5	1840	1.58	0.16	2.39	11.05	42.1	5.1	11	17.05	5.6
S047729		2.82		0.48	7.02	92.7	1050	1.46	0.15	2.75	3.82	39.6	7.0	11	16.60	23.7

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121848

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S047644		3.01	16.55	0.15	1.1	0.041	2.85	22.6	109.0	0.63	604	1.92	0.73	9.0	2.5	620
S047645		3.43	16.80	0.12	1.7	1.430	3.11	27.3	63.9	0.83	1520	1.87	0.05	8.9	3.2	620
S047646		3.11	17.05	0.14	1.2	0.085	3.25	27.8	93.6	0.66	987	1.08	0.26	9.4	2.8	590
S047647		6.28	15.95	0.11	1.1	0.730	3.27	25.0	28.9	0.84	2240	2.26	0.10	8.0	3.0	560
S047648		6.71	16.60	0.10	1.2	0.495	3.37	27.6	25.3	0.94	2590	1.62	0.09	8.1	3.0	570
S047649		2.45	18.65	0.15	3.6	0.034	3.24	30.7	182.0	1.07	589	1.09	0.06	11.5	4.4	770
S047650		2.51	18.50	0.18	3.8	0.030	3.22	27.5	97.9	1.00	611	0.75	0.07	11.3	4.3	790
S047701		3.17	16.10	0.15	1.4	2.39	2.96	27.0	56.4	0.96	1660	3.89	0.05	8.7	2.9	570
S047702		4.12	16.20	0.12	1.4	1.160	2.98	27.0	77.7	0.74	1980	8.47	0.04	8.6	3.3	570
S047703		6.19	15.85	0.10	1.2	10.25	2.80	23.1	64.8	0.59	2380	4.75	0.03	7.5	2.9	570
S047704		2.77	16.50	0.12	1.1	0.074	2.74	27.7	140.5	0.53	710	1.36	0.04	7.7	2.8	550
S047705		3.18	16.00	0.13	1.1	0.068	3.01	26.8	205	0.58	735	1.64	0.03	6.2	2.9	560
S047706		4.07	15.50	0.11	1.0	2.12	2.74	23.4	165.5	0.64	566	4.22	0.06	6.5	2.8	510
S047707		0.47	0.29	0.17	<0.1	0.005	0.04	0.8	2.4	12.75	196	0.35	0.01	0.3	1.7	180
S047708		4.53	15.15	0.15	0.9	0.202	3.24	31.9	20.1	0.65	1090	1.75	0.04	5.5	2.6	510
S047709		3.52	15.85	0.13	1.1	0.108	2.67	30.3	52.9	0.86	907	2.47	0.05	7.0	2.8	520
S047710		3.12	16.05	0.13	1.0	0.048	2.37	30.6	44.6	0.86	772	1.09	0.06	7.4	3.1	580
S047711		3.29	16.95	0.14	1.2	0.045	2.92	25.4	52.4	0.69	702	1.09	0.36	8.4	2.6	600
S047712		4.96	15.60	0.13	1.1	0.302	2.95	26.7	27.3	0.76	1900	14.90	0.15	6.9	15.9	530
S047713		3.24	17.20	0.13	1.2	0.051	3.13	27.9	54.4	0.68	1330	2.68	0.03	8.1	2.9	570
S047714		3.65	12.45	0.08	0.7	4.35	2.22	12.3	25.2	0.19	359	20.9	0.02	4.6	2.7	320
S047715		0.47	0.24	0.19	<0.1	0.009	0.02	0.6	1.4	12.80	200	0.11	0.01	0.2	1.8	160
S047716		2.55	15.20	0.19	1.1	1.060	2.63	25.8	139.5	0.45	698	6.95	0.08	7.8	2.6	470
S047717		3.12	16.45	0.18	1.1	0.048	2.83	27.1	19.4	0.73	622	1.53	1.58	9.1	2.6	610
S047718		5.16	14.15	0.12	0.9	0.370	3.15	23.8	32.6	0.56	1580	8.46	0.11	7.1	2.8	500
S047719		3.15	17.00	0.07	1.2	0.058	3.57	19.7	45.5	0.64	982	1.65	0.60	8.6	2.5	630
S047720		2.98	15.65	0.10	1.0	0.051	3.45	17.2	38.7	0.60	928	1.51	0.58	7.9	2.4	610
S047721		2.77	14.60	0.10	0.9	0.044	2.78	18.3	120.5	0.73	1420	2.27	0.04	6.9	2.5	530
S047722		3.03	16.70	0.10	1.1	0.069	3.48	16.2	114.0	0.53	1260	1.51	0.10	8.4	2.4	690
S047723		2.79	15.65	0.10	1.2	0.062	3.47	17.5	60.0	0.50	1180	1.56	0.09	8.0	2.2	570
S047724		6.48	14.65	0.10	1.0	0.677	2.86	21.2	17.6	0.75	1730	8.23	0.13	6.3	11.9	530
S047725		3.65	15.90	0.10	1.3	0.194	3.24	20.8	31.5	0.77	1720	2.26	0.03	7.7	2.7	580
S047726		3.31	16.75	0.11	1.3	0.049	3.27	25.8	23.2	0.62	1210	1.79	0.04	8.1	2.7	610
S047727		2.99	13.25	0.10	1.1	0.638	2.25	23.6	34.3	1.06	1900	9.82	0.02	6.3	2.2	430
S047728		2.28	14.90	0.10	1.2	0.051	2.13	21.9	276	0.82	1620	1.62	0.03	7.4	2.9	530
S047729		2.68	16.10	0.10	1.3	0.058	2.68	20.0	369	0.90	1930	1.67	0.03	8.3	2.7	620

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Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121848

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S047644		21.0	115.5	<0.002	0.23	14.05	11.2	1	2.0	227	0.87	<0.05	13.60	0.267	1.82	3.6
S047645		402	166.5	<0.002	1.71	41.3	9.6	1	2.7	202	0.82	0.09	13.05	0.247	2.83	5.0
S047646		26.1	185.0	<0.002	0.58	31.2	12.3	1	1.7	188.0	0.81	0.05	14.15	0.260	3.01	4.7
S047647		208	186.0	<0.002	1.71	23.3	10.0	1	3.7	116.0	0.64	<0.05	13.50	0.226	3.05	3.8
S047648		142.5	186.0	<0.002	1.31	19.75	10.5	1	4.1	122.5	0.69	<0.05	14.25	0.226	3.26	3.7
S047649		18.5	141.5	<0.002	0.11	14.55	7.9	1	1.4	507	0.86	<0.05	12.05	0.285	2.33	5.8
S047650		14.7	123.0	<0.002	0.05	14.65	7.8	1	1.3	506	0.87	<0.05	11.25	0.295	2.23	5.3
S047701		469	161.5	<0.002	1.37	17.70	9.5	1	2.1	219	0.77	0.08	15.20	0.237	2.86	3.8
S047702		490	160.5	<0.002	2.10	60.7	9.8	1	3.3	151.5	0.68	0.16	14.45	0.234	2.85	5.2
S047703		3970	159.0	<0.002	5.42	269	11.3	1	5.9	110.0	0.54	0.24	11.95	0.246	2.64	4.6
S047704		34.2	140.5	<0.002	0.71	34.5	9.7	1	1.4	163.0	0.61	0.08	15.35	0.225	2.27	4.1
S047705		22.4	171.5	<0.002	1.60	22.7	10.5	1	1.3	128.5	0.54	0.13	14.50	0.197	2.43	4.5
S047706		185.0	141.5	<0.002	3.17	40.5	9.8	1	3.0	107.0	0.52	0.27	13.40	0.194	1.82	4.3
S047707		1.8	2.3	<0.002	<0.01	0.13	0.2	1	<0.2	52.0	<0.05	<0.05	0.13	<0.005	0.02	0.7
S047708		188.5	195.0	<0.002	3.76	33.9	8.7	1	6.0	32.2	0.49	0.16	13.20	0.180	2.45	2.6
S047709		147.5	157.5	<0.002	2.10	33.1	10.2	1	3.2	109.5	0.52	0.17	13.80	0.218	2.13	5.5
S047710		22.8	141.5	<0.002	1.62	24.4	10.3	1	1.5	144.5	0.60	0.21	14.60	0.215	1.76	7.5
S047711		77.2	123.5	<0.002	0.79	9.06	10.7	1	1.9	163.5	0.67	0.09	14.95	0.239	1.74	3.7
S047712		477	156.5	0.003	2.75	28.9	9.4	1	5.7	110.5	0.55	0.31	12.85	0.204	2.56	5.3
S047713		148.0	153.0	<0.002	2.16	12.70	10.7	1	1.5	161.0	0.63	0.29	14.15	0.234	2.92	5.2
S047714		1105	132.5	<0.002	4.30	193.0	6.1	1	11.8	36.7	0.35	0.17	8.00	0.137	2.13	5.1
S047715		2.7	1.4	<0.002	0.01	0.28	0.2	1	<0.2	51.2	<0.05	<0.05	0.09	<0.005	<0.02	0.8
S047716		490	124.5	<0.002	1.11	61.1	8.9	1	3.6	133.0	0.63	0.05	14.00	0.210	1.90	4.1
S047717		24.0	118.0	<0.002	0.12	4.12	11.1	1	1.8	295	0.68	<0.05	14.00	0.260	1.36	4.3
S047718		713	167.0	<0.002	3.72	59.0	9.4	1	4.4	103.5	0.52	0.08	13.55	0.206	2.44	4.7
S047719		26.2	134.0	<0.002	0.34	12.40	10.2	1	2.0	192.0	0.73	<0.05	12.20	0.268	2.30	3.5
S047720		23.8	128.0	<0.002	0.32	10.35	9.7	1	1.7	181.0	0.61	<0.05	10.10	0.254	2.08	2.8
S047721		22.6	118.0	<0.002	0.66	24.6	8.6	1	1.4	146.0	0.53	<0.05	9.96	0.225	2.38	4.5
S047722		32.1	136.0	<0.002	0.72	19.20	10.4	1	2.3	140.0	0.64	<0.05	9.44	0.285	2.33	4.7
S047723		67.8	142.0	<0.002	0.69	12.10	9.2	1	1.7	137.0	0.67	<0.05	10.60	0.242	2.39	4.1
S047724		1295	166.5	<0.002	4.62	57.0	9.0	2	7.1	94.2	0.50	0.97	10.45	0.208	2.20	4.9
S047725		418	151.5	<0.002	1.83	7.96	9.3	1	1.9	77.8	0.63	<0.05	11.15	0.243	2.83	5.1
S047726		265	169.5	<0.002	1.67	6.10	10.0	1	4.6	56.8	0.66	0.06	13.30	0.249	2.84	5.0
S047727		897	145.0	<0.002	0.91	56.5	8.1	1	2.1	124.0	0.52	<0.05	11.45	0.193	2.56	9.9
S047728		45.4	86.6	<0.002	0.32	14.10	9.0	1	1.2	142.5	0.62	<0.05	11.95	0.228	1.94	5.2
S047729		57.3	95.1	<0.002	0.42	16.85	9.3	<1	1.5	172.5	0.68	<0.05	11.40	0.257	2.57	3.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121848

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
S047644		73	2.6	16.9	58	31.5	<0.005
S047645		67	4.1	15.3	2650	55.5	0.337
S047646		75	2.5	17.3	86	34.2	0.009
S047647		63	7.2	12.8	942	32.6	0.113
S047648		65	8.0	12.2	716	34.9	0.080
S047649		66	4.7	16.0	72	134.0	0.029
S047650		70	3.8	15.4	61	135.0	<0.005
S047701		64	4.0	15.3	4200	44.6	0.231
S047702		63	4.5	14.6	2220	45.7	0.316
S047703		81	6.3	13.2	>10000	35.1	1.995
S047704		67	4.4	13.7	126	29.4	0.009
S047705		66	2.6	13.6	87	30.5	0.012
S047706		63	4.0	13.7	4770	28.1	0.925
S047707		3	0.1	1.0	26	0.7	0.008
S047708		62	4.6	12.0	330	26.7	0.116
S047709		69	2.5	15.4	405	27.5	0.573
S047710		69	2.5	17.8	75	29.1	0.009
S047711		69	2.9	15.4	168	32.5	0.010
S047712		66	5.7	12.4	894	31.3	0.362
S047713		67	4.8	15.5	259	32.6	0.034
S047714		44	5.8	7.5	>10000	20.3	9.54
S047715		2	0.1	0.9	36	<0.5	<0.005
S047716		57	3.5	14.2	4070	29.3	2.95
S047717		71	2.1	18.1	54	29.6	0.009
S047718		61	3.7	13.6	1450	25.3	0.530
S047719		72	3.3	13.8	65	31.8	0.052
S047720		68	2.9	12.8	62	27.3	0.059
S047721		63	2.9	12.1	56	26.1	0.014
S047722		83	3.7	11.7	57	29.8	0.022
S047723		66	2.5	11.7	156	32.7	0.033
S047724		60	5.4	11.2	2340	28.3	0.866
S047725		65	4.2	13.4	865	35.4	0.086
S047726		67	4.0	12.5	396	35.9	0.106
S047727		51	6.8	11.7	4390	29.7	0.758
S047728		61	6.0	13.4	1140	32.5	0.074
S047729		68	5.8	13.2	1080	36.8	0.023

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121848

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-35a	PUL-35ad	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121849

Project: Klaza

P.O. No.: Batch 59

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

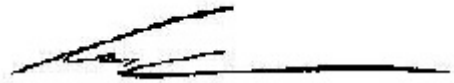
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121849

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047537		11.14	0.28	6.73	18.8	1190	1.50	11.45	1.32	0.43	70.8	7.9	11	10.35	40.0	2.30
S047538		11.78	0.30	6.96	21.9	1520	1.57	11.00	1.80	0.60	84.1	6.3	10	11.50	22.9	1.93
S047539		13.48	0.25	6.89	12.7	1560	1.67	2.33	2.21	0.43	51.0	6.2	10	9.61	25.6	2.00
S047540		11.18	0.20	6.65	16.1	430	1.56	1.86	1.87	0.37	24.4	16.5	12	9.06	9.3	2.79
S047541		11.36	0.14	6.88	6.2	1350	1.55	1.35	1.77	0.30	58.8	11.3	9	17.35	8.2	2.06
S047542		11.30	0.35	6.98	13.7	490	1.42	2.07	1.62	0.47	36.1	5.7	11	13.45	16.0	2.73
S047543		12.14	0.28	6.75	11.5	410	1.47	1.76	2.01	0.44	37.6	9.7	10	13.90	10.3	2.77
S047544		11.66	0.19	7.21	6.8	440	1.49	1.02	1.84	0.40	27.7	8.6	15	10.40	10.1	2.83
S047545		12.74	0.27	6.95	33.5	510	1.46	2.05	1.31	0.33	48.1	16.9	11	8.97	18.0	2.99
S047546		12.20	3.27	6.84	120.0	560	1.43	5.26	0.84	27.4	60.5	14.2	12	8.70	124.5	3.45
S047547		11.34	0.30	7.42	15.1	690	1.35	1.42	2.06	0.88	51.3	10.8	12	9.84	32.9	2.52
S047548		5.40	0.29	7.39	13.1	610	1.36	1.52	2.01	0.79	50.8	10.6	12	9.90	25.3	2.61
S047549		12.20	0.28	7.24	9.3	520	1.43	2.06	1.45	0.48	22.2	6.9	10	12.55	28.1	2.89
S047550		11.90	0.48	7.16	20.6	470	1.43	34.2	1.67	0.37	51.5	4.3	12	17.40	43.4	2.99
R614201		4.36	1.74	6.85	242	500	1.37	12.55	1.50	0.80	49.7	3.3	10	10.50	455	4.02
R614202		5.26	0.01	0.06	0.7	20	0.06	0.10	21.9	0.06	1.28	0.8	1	0.13	4.3	0.47
R614203		7.92	0.22	7.45	6.3	600	1.31	1.97	1.13	0.50	68.0	4.0	10	18.70	9.9	2.72
R614204		12.72	0.67	7.71	45.5	580	1.23	2.04	1.36	0.52	96.7	3.0	13	12.60	173.0	2.71
R614205		12.00	0.53	6.99	17.4	710	1.64	2.06	2.07	0.28	60.2	2.6	12	11.50	169.5	2.21
R614206		0.34	12.20	6.76	1625	1080	1.38	12.25	1.94	33.4	51.0	18.3	20	14.10	291	6.78
R614207		12.06	0.37	7.33	26.4	780	1.61	1.32	2.35	0.27	55.2	4.8	12	9.98	66.0	2.26
R614208		13.24	0.25	7.08	31.6	540	1.43	1.30	2.01	0.24	56.6	5.0	15	9.50	47.5	2.81
R614209		14.14	1.75	7.14	158.0	500	1.39	5.49	1.58	1.76	44.1	6.3	13	9.39	231	4.18
R614210		7.70	2.94	5.81	200	170	1.14	6.05	2.90	1.01	33.1	12.5	16	7.36	492	5.48
R614211		4.96	0.01	0.07	0.4	20	0.05	0.05	21.5	0.06	1.31	0.8	1	0.14	3.8	0.47
R614212		5.44	0.51	7.31	23.6	1320	1.60	1.50	2.19	0.22	45.1	5.4	16	16.05	107.5	2.32
R614213		11.64	0.29	7.37	11.4	1090	1.64	1.95	1.91	0.18	51.9	4.8	21	12.20	65.6	2.59
R614214		11.54	0.48	7.87	24.8	1530	1.61	9.71	3.29	0.22	47.6	8.3	25	20.3	182.5	3.65
R614215		0.34	4.49	6.73	713	640	1.44	3.45	2.06	10.70	53.2	12.2	25	12.75	308	5.05
R614216		7.78	0.44	7.53	39.8	730	1.53	4.16	3.20	0.19	43.1	10.2	20	22.1	110.5	4.30
R614217		4.90	1.08	7.47	110.5	480	1.25	6.97	3.14	0.25	46.5	12.7	20	11.25	411	4.65
R614218		7.06	1.01	7.08	252	640	1.10	9.11	4.75	0.27	47.4	9.8	17	15.15	321	4.26
R614219		12.70	0.56	7.68	23.4	1180	1.36	12.95	3.53	0.18	38.8	10.0	19	21.5	190.0	4.46
R614220		<0.02	0.62	7.77	23.9	1200	1.33	12.20	3.52	0.16	40.0	10.2	22	21.6	194.0	4.47
R614221		12.86	0.70	7.47	31.3	1080	1.49	12.05	2.98	0.31	38.9	9.9	20	20.7	203	4.25
R614222		7.02	0.37	7.14	33.1	1070	1.44	7.66	3.37	0.29	37.9	10.6	19	12.75	90.0	3.60

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121849

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047537		16.10	0.12	1.9	0.035	3.67	41.0	33.1	0.36	162	3.12	0.10	4.0	2.3	400	13.1
S047538		16.80	0.12	1.6	0.030	4.11	48.7	25.5	0.36	127	22.4	0.32	4.8	1.6	290	23.4
S047539		16.35	0.13	1.5	0.034	4.00	29.4	30.2	0.35	200	2.41	0.12	5.1	1.5	300	15.5
S047540		15.25	0.10	1.5	0.024	3.48	12.9	26.3	0.32	98	10.50	0.18	4.0	1.7	280	17.2
S047541		16.10	0.14	1.5	0.015	3.92	34.2	41.3	0.46	121	3.61	0.17	3.7	1.6	300	14.7
S047542		15.70	0.12	1.4	0.018	3.67	19.4	36.9	0.44	136	7.78	0.10	3.6	1.8	310	32.8
S047543		15.20	0.11	1.3	0.015	3.74	18.2	41.3	0.36	119	6.38	0.19	4.5	1.9	310	31.6
S047544		15.75	0.22	1.3	0.009	4.20	11.8	31.0	0.39	139	2.87	0.96	3.9	2.0	320	18.9
S047545		16.20	0.21	1.2	0.040	3.79	23.9	16.8	0.43	93	14.85	0.15	3.1	1.8	320	15.0
S047546		16.40	0.23	1.2	0.577	3.36	29.1	16.3	0.43	117	9.74	0.05	3.3	2.1	320	430
S047547		16.50	0.23	1.3	0.034	4.38	25.9	15.1	0.41	111	14.95	0.10	4.8	2.0	350	23.1
S047548		16.45	0.25	1.3	0.028	4.45	25.6	16.4	0.40	109	9.58	0.10	4.9	2.1	350	23.1
S047549		15.40	0.22	1.4	0.021	4.70	10.6	22.2	0.33	120	18.70	0.69	3.8	2.1	330	15.6
S047550		17.15	0.22	1.3	0.024	4.55	27.3	28.5	0.43	127	6.78	0.60	3.5	1.7	350	32.5
R614201		16.00	0.20	1.2	0.082	3.50	28.8	24.0	0.51	127	3.74	0.07	2.9	1.7	310	42.8
R614202		0.24	0.18	<0.1	<0.005	0.03	0.6	1.5	13.45	205	0.11	<0.01	0.1	1.5	200	1.5
R614203		16.10	0.22	1.3	0.014	4.42	39.0	34.3	0.48	116	3.84	0.44	3.4	1.7	340	18.0
R614204		17.25	0.26	1.4	0.055	4.73	54.8	32.7	0.45	132	5.16	0.46	3.8	1.7	360	24.0
R614205		17.10	0.21	1.4	0.023	4.08	30.6	17.7	0.39	148	5.07	1.28	4.5	1.9	370	16.6
R614206		16.10	0.22	1.1	0.817	2.96	24.7	20.4	0.80	1880	9.39	0.13	6.6	13.3	540	1365
R614207		17.70	0.20	1.4	0.026	3.94	30.4	35.7	0.49	361	22.5	0.79	4.9	2.1	380	19.6
R614208		16.85	0.23	1.1	0.027	3.81	30.9	23.3	0.49	113	31.8	0.62	3.0	2.3	390	12.5
R614209		17.45	0.20	1.0	0.092	3.51	24.6	54.0	0.66	134	20.4	0.09	2.8	3.0	420	64.5
R614210		15.90	0.17	0.7	0.155	3.28	16.5	17.9	0.55	186	6.15	0.07	2.6	3.4	360	85.8
R614211		0.25	0.16	<0.1	0.005	0.03	0.6	1.4	13.25	207	0.19	0.01	0.2	1.4	190	1.7
R614212		16.85	0.20	0.9	0.024	3.78	21.9	21.0	0.55	143	15.30	1.40	5.5	2.9	460	17.1
R614213		17.95	0.22	0.9	0.030	3.30	25.7	19.2	0.72	147	9.47	2.40	6.0	3.4	500	12.8
R614214		19.50	0.23	0.9	0.140	2.85	21.8	22.6	1.21	326	4.62	2.15	7.8	3.9	740	13.1
R614215		15.20	0.21	1.0	0.287	2.95	27.9	25.6	0.78	1900	14.50	0.15	6.1	14.8	520	495
R614216		20.0	0.22	0.8	0.160	2.46	17.9	28.1	1.09	272	4.11	1.51	7.1	3.5	800	10.3
R614217		20.3	0.22	1.1	0.128	2.53	17.9	47.4	0.80	273	11.70	0.09	7.7	4.8	860	14.6
R614218		19.00	0.19	0.9	0.161	1.72	19.1	175.5	1.06	360	4.99	0.10	6.6	3.6	870	11.8
R614219		19.95	0.21	0.9	0.112	2.45	17.3	32.8	1.46	407	3.00	2.07	7.0	3.5	890	11.9
R614220		19.60	0.21	0.8	0.113	2.47	18.1	34.4	1.51	415	3.65	2.09	7.0	3.7	940	11.7
R614221		19.35	0.19	0.8	0.161	2.36	17.5	29.0	1.36	323	3.11	1.86	6.3	3.6	810	15.4
R614222		19.35	0.20	0.9	0.159	2.19	16.3	36.0	0.50	458	5.45	0.22	7.2	3.7	840	8.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121849

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047537		173.0	<0.002	1.93	3.00	3.4	1	3.1	69.0	0.38	0.55	13.40	0.087	2.29	2.9	26
S047538		181.5	<0.002	1.76	2.76	3.3	1	2.3	107.5	0.47	0.23	14.25	0.090	2.34	4.8	22
S047539		175.0	<0.002	1.81	2.58	3.2	1	2.2	99.1	0.47	0.12	14.25	0.094	2.35	4.7	21
S047540		152.5	<0.002	2.84	2.15	3.0	1	2.8	77.7	0.39	0.12	13.20	0.079	1.95	3.9	21
S047541		165.0	<0.002	1.87	2.04	3.2	1	2.3	107.0	0.36	0.10	13.15	0.080	2.27	5.3	21
S047542		164.0	<0.002	2.69	3.99	3.2	1	3.0	74.3	0.34	0.16	14.10	0.076	2.14	6.9	23
S047543		153.5	<0.002	2.77	2.83	3.1	1	2.7	104.0	0.40	0.17	12.90	0.091	2.21	4.2	21
S047544		156.5	<0.002	2.88	1.79	3.2	1	1.7	164.0	0.34	0.08	13.10	0.087	1.87	5.8	23
S047545		205	<0.002	2.98	2.52	3.0	1	2.2	69.9	0.28	0.12	12.75	0.073	2.15	4.6	24
S047546		216	<0.002	3.58	13.45	3.2	2	3.3	28.7	0.33	0.24	13.05	0.078	1.91	5.8	23
S047547		190.5	<0.002	2.40	3.79	3.7	1	2.3	85.5	0.43	0.12	13.05	0.105	2.16	6.1	24
S047548		190.5	<0.002	2.55	3.27	3.6	1	2.3	90.9	0.43	0.09	12.85	0.105	2.20	6.3	24
S047549		186.0	<0.002	2.83	2.06	3.3	1	2.2	175.0	0.34	0.11	13.05	0.084	2.06	5.6	23
S047550		183.5	<0.002	3.01	2.94	3.5	1	2.6	161.0	0.30	0.35	11.60	0.084	2.21	5.7	24
R614201		208	<0.002	4.17	21.3	3.2	1	3.9	64.0	0.26	0.32	12.30	0.071	1.92	4.4	22
R614202		1.4	<0.002	0.01	0.12	0.1	1	<0.2	50.0	<0.05	<0.05	0.11	<0.005	<0.02	0.6	2
R614203		193.5	<0.002	2.63	2.62	3.2	1	2.0	127.0	0.32	0.13	14.00	0.083	2.32	4.4	24
R614204		215	<0.002	2.63	6.96	3.6	1	3.1	161.5	0.34	0.10	14.35	0.092	2.34	5.6	25
R614205		166.0	<0.002	2.04	1.63	3.6	1	2.1	397	0.41	0.16	11.80	0.102	1.92	5.4	26
R614206		175.5	<0.002	4.88	63.9	9.8	2	8.3	102.0	0.52	1.16	11.25	0.216	2.55	5.4	64
R614207		165.5	0.002	2.09	2.85	3.9	1	2.2	197.5	0.42	0.09	13.25	0.109	2.21	4.6	27
R614208		162.5	<0.002	2.67	2.54	4.4	1	2.3	126.5	0.27	0.12	12.40	0.085	2.15	4.5	31
R614209		195.5	0.002	4.25	6.50	4.5	2	6.0	64.6	0.24	0.20	11.25	0.087	2.19	4.2	34
R614210		163.5	<0.002	5.73	17.20	4.7	2	9.7	73.9	0.22	0.23	9.82	0.091	2.03	4.1	38
R614211		1.7	<0.002	0.02	0.13	0.1	1	<0.2	49.4	<0.05	<0.05	0.14	<0.005	0.02	0.8	2
R614212		138.0	0.002	1.93	2.80	5.2	1	2.4	314	0.48	0.44	11.95	0.152	1.98	4.6	43
R614213		139.0	<0.002	2.14	1.65	5.9	1	2.3	468	0.47	0.27	11.50	0.173	1.85	4.7	47
R614214		132.5	<0.002	1.95	5.93	10.6	1	3.7	535	0.57	0.40	8.66	0.317	2.56	3.5	89
R614215		162.5	0.003	2.72	26.1	9.1	1	5.6	109.0	0.48	0.31	10.85	0.203	2.38	5.0	65
R614216		119.0	<0.002	2.86	6.59	12.7	2	4.5	439	0.51	0.31	7.51	0.361	2.45	3.3	108
R614217		90.7	<0.002	3.90	58.4	13.1	2	6.0	163.0	0.60	0.64	8.23	0.381	2.18	5.1	113
R614218		74.1	<0.002	3.14	32.9	13.7	2	5.3	191.5	0.47	0.70	6.75	0.382	1.61	4.9	119
R614219		109.5	<0.002	2.46	7.30	14.5	2	3.7	553	0.49	0.87	6.07	0.412	2.58	2.2	130
R614220		116.0	<0.002	2.47	7.47	14.8	2	3.8	555	0.49	0.81	6.41	0.420	2.55	2.3	131
R614221		124.5	<0.002	2.59	6.21	13.1	2	3.7	483	0.44	1.72	6.15	0.354	2.62	2.5	112
R614222		83.5	<0.002	2.08	8.88	13.5	1	3.7	164.5	0.51	0.96	6.63	0.392	1.92	7.9	122

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121849

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S047537		4.1	10.1	53	64.5	0.077
S047538		2.7	12.4	54	50.2	0.016
S047539		2.9	9.0	44	48.4	0.050
S047540		4.3	7.9	33	46.0	0.016
S047541		2.5	11.3	36	44.8	0.010
S047542		3.4	8.9	47	42.7	0.017
S047543		3.7	7.4	40	41.4	0.018
S047544		2.9	8.2	42	40.5	0.006
S047545		3.0	7.4	36	38.8	0.094
S047546		3.7	11.8	1860	37.0	0.661
S047547		2.7	9.9	69	40.5	0.032
S047548		2.7	9.9	66	41.4	0.032
S047549		2.7	7.7	47	42.1	0.018
S047550		2.9	7.7	38	41.4	0.074
R614201		2.6	8.0	75	37.0	0.124
R614202		0.1	0.8	16	<0.5	<0.005
R614203		2.1	7.6	45	39.8	0.023
R614204		2.4	11.4	48	41.9	0.246
R614205		2.1	10.4	34	42.2	0.053
R614206		5.8	11.7	2520	31.3	0.871
R614207		2.2	9.2	33	43.4	0.038
R614208		2.4	7.0	27	34.2	0.035
R614209		2.9	7.2	122	30.9	0.320
R614210		3.2	7.0	74	16.8	0.545
R614211		0.1	0.8	16	<0.5	<0.005
R614212		2.4	11.0	34	21.2	0.026
R614213		2.3	12.3	27	20.2	0.009
R614214		2.9	16.7	38	19.1	0.024
R614215		5.2	11.4	889	29.2	0.385
R614216		7.0	17.1	37	16.4	0.018
R614217		10.1	18.1	52	20.8	0.076
R614218		7.1	17.2	46	17.4	0.075
R614219		2.7	17.2	43	16.4	0.061
R614220		2.7	17.3	43	15.6	0.029
R614221		3.0	16.2	48	13.8	0.072
R614222		22.0	16.9	43	17.0	0.022

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 28-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121849

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
This copy reported on 9-SEP-2016
Account: ROCKHA

CERTIFICATE VA16121850

Project: Klaza

P.O. No.: Batch 62

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

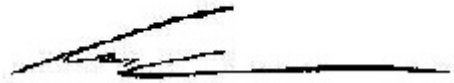
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for Au-AA24 on samples R614223 to R614228 and R614230 to R614231.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 25-AUG-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16121850

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R614223		4.54				1.47	5.76	231	80	1.23	29.5	3.20	0.28	21.4	8.0	17
R614224		4.54				0.01	0.05	0.3	60	0.07	0.06	21.1	0.07	1.05	0.6	1
R614225		7.98				0.70	7.57	132.0	440	1.86	51.4	3.50	0.13	41.8	9.6	18
R614226		5.88				0.75	7.14	116.5	910	1.58	32.8	3.44	0.17	39.4	9.7	17
R614227		6.96				1.32	8.69	72.6	1200	1.70	2.66	3.48	0.16	45.7	11.0	22
R614228		5.10				2.03	7.79	110.0	130	1.36	27.4	2.10	0.56	44.9	10.7	20
R614229		0.34	118	0.984	1.640	>100	5.63	7500	430	1.38	61.3	2.07	242	34.6	10.2	18
R614230		9.68				0.32	8.18	16.4	1990	1.62	5.82	3.45	0.31	48.0	9.0	20
R614231		2.00			1.160	62.9	5.91	535	330	1.53	49.5	5.03	142.5	53.2	11.8	12
R614232		4.90				0.05	0.06	0.2	20	0.11	0.12	22.5	0.13	1.31	0.6	1
R614233		5.92				0.43	8.07	31.4	970	1.64	13.25	3.53	0.24	45.1	9.5	21
R614234		4.56				0.21	8.10	12.3	1580	1.72	3.19	3.15	0.14	42.2	8.8	19
R614235		2.14				0.19	7.83	10.1	1580	1.62	2.11	3.12	0.13	42.6	8.5	19
R614236		12.84				0.67	8.28	61.2	1280	1.53	7.27	3.06	3.03	52.9	8.8	20
R614237		12.20				0.21	8.21	27.6	1480	1.71	2.71	3.20	0.14	47.1	9.4	18
R614238		11.80				0.78	7.58	54.2	510	1.52	8.29	3.15	0.25	46.4	12.5	20
R614239		12.80				0.23	7.79	12.7	1400	1.45	1.34	3.76	0.26	48.0	11.7	21
R614240		4.96				0.32	8.04	41.4	1230	1.70	2.31	5.66	0.23	47.5	14.5	16
R614241		4.52				0.37	8.20	19.9	1420	1.70	2.77	4.47	0.13	51.5	14.8	17
R614242		3.74				0.53	7.17	28.7	110	1.60	11.45	2.30	0.06	30.3	10.2	19
R614243		9.06				0.38	8.50	40.5	1140	1.50	6.23	5.05	0.12	56.0	17.0	17
R614244		0.34				12.05	6.85	1565	460	1.64	12.55	1.98	34.8	46.5	18.6	20
R614245		5.40				0.59	7.96	117.0	1220	1.39	6.23	5.71	0.30	47.0	16.0	11
R614246		3.52				5.33	6.10	431	70	1.00	31.8	3.14	1.63	38.0	14.8	11
R614247		5.86				4.39	6.15	434	70	1.22	61.1	2.85	2.19	30.9	16.8	10
R614248		2.88				1.38	7.89	135.0	150	1.36	8.40	1.88	0.92	34.3	10.7	48
R614249		8.02				6.75	3.93	1000	180	0.76	52.0	4.47	3.65	31.6	17.4	33
R614250		8.02				2.27	6.88	227	60	1.28	16.10	3.01	1.60	41.7	14.4	13
R614251		4.36				6.66	6.74	473	50	1.43	31.3	2.05	3.82	33.0	12.1	16
R614252		6.40				1.31	7.66	73.6	530	1.86	7.56	3.74	0.65	51.5	16.1	13
R614253		4.44				0.97	7.05	131.5	310	1.63	6.98	4.76	0.37	43.6	12.4	16
R614254		8.68				0.85	7.78	45.1	710	1.57	4.65	5.21	0.22	52.3	15.0	18
R614255		<0.02				0.79	7.63	33.1	850	1.44	4.51	4.89	0.23	44.8	14.2	17
R614256		4.96				1.10	6.91	99.5	190	1.23	4.79	4.30	0.35	35.0	14.2	13
R614257		5.42				1.58	6.87	85.3	140	1.34	19.40	3.08	1.30	30.3	22.7	122
R614258		10.88				1.02	7.27	57.2	780	1.51	7.04	4.00	0.23	50.8	13.2	13

Comments: ***Corrected copy for Au-AA24 on samples R614223 to R614228 and R614230 to R614231.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121850

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614223		11.75	49.7	9.41	14.40	0.15	0.6	0.090	2.77	9.9	64.2	1.08	393	8.35	0.07	2.9
R614224		0.15	1.3	0.48	0.19	0.09	<0.1	0.005	0.02	0.5	1.1	12.85	220	0.09	<0.01	0.2
R614225		15.55	23.8	5.00	16.95	0.17	0.9	0.057	3.79	20.5	50.5	1.31	314	4.57	0.07	4.1
R614226		16.10	162.5	4.00	18.65	0.13	0.9	0.105	2.61	19.2	50.0	1.10	293	12.65	0.07	5.6
R614227		20.3	460	4.67	23.3	0.17	1.0	0.227	2.49	22.2	32.4	1.15	434	7.36	1.39	7.9
R614228		14.00	517	5.56	19.30	0.16	0.9	0.204	4.05	19.5	31.4	0.83	197	26.4	0.99	4.5
R614229		12.00	1365	8.63	14.00	0.13	1.1	5.06	2.43	17.6	34.3	0.67	3240	16.20	0.09	6.0
R614230		15.65	48.1	4.18	21.1	0.14	0.7	0.085	2.55	25.0	23.5	1.32	489	5.99	2.65	7.8
R614231		17.70	8940	4.71	16.85	0.14	1.0	5.43	2.56	30.8	52.0	0.81	1900	4.08	0.48	6.6
R614232		0.14	7.9	0.50	0.25	0.10	<0.1	0.008	0.02	0.6	1.1	13.80	222	0.13	0.01	0.2
R614233		14.35	98.2	3.93	22.4	0.14	0.8	0.074	2.75	22.8	33.6	1.12	382	5.42	1.83	6.9
R614234		15.30	67.4	4.04	22.0	0.13	0.6	0.090	2.53	21.7	25.2	1.49	427	2.93	2.77	8.1
R614235		14.65	62.8	3.87	22.1	0.14	0.6	0.103	2.50	21.8	25.7	1.47	441	2.75	2.74	8.2
R614236		13.90	95.3	4.37	21.4	0.15	0.7	0.181	2.64	25.4	23.4	1.38	402	5.23	2.52	8.1
R614237		12.80	40.3	3.88	21.3	0.15	0.7	0.145	2.33	23.4	20.8	1.42	502	4.86	2.86	8.5
R614238		17.40	223	5.30	21.2	0.12	0.8	0.140	2.64	22.4	25.7	1.51	408	5.33	2.42	8.4
R614239		16.95	49.4	4.29	20.9	0.12	0.7	0.108	2.23	23.5	23.1	1.45	455	2.84	2.60	8.2
R614240		32.0	106.0	4.34	19.85	0.12	0.8	0.152	1.91	24.8	79.0	1.63	554	3.83	0.99	6.9
R614241		21.5	180.0	4.95	22.4	0.14	0.6	0.158	2.04	25.1	22.1	1.76	534	16.15	2.57	7.9
R614242		12.75	52.1	8.37	15.40	0.13	3.5	0.009	3.20	14.8	45.2	0.84	156	3.37	1.60	6.1
R614243		37.2	101.0	4.90	22.5	0.16	0.8	0.140	2.08	28.6	24.0	1.31	569	4.89	1.54	8.0
R614244		13.85	300	6.95	16.40	0.16	1.1	0.848	3.04	24.3	20.9	0.81	1880	9.37	0.13	6.8
R614245		23.7	172.5	4.51	19.75	0.14	0.7	0.135	1.64	22.7	72.8	1.44	558	3.70	0.11	7.2
R614246		15.95	324	11.50	18.95	0.16	0.5	0.157	3.01	17.4	22.9	1.13	341	3.03	0.15	4.8
R614247		16.95	344	13.75	20.6	0.11	0.5	0.150	2.53	14.4	31.9	1.47	315	4.08	0.16	4.5
R614248		16.55	102.5	5.85	22.2	0.14	1.2	0.100	4.66	14.7	29.4	1.33	267	10.30	0.97	6.7
R614249		7.59	303	22.0	14.05	0.18	0.6	0.250	1.36	14.2	19.9	1.18	403	4.50	0.05	3.0
R614250		17.70	152.0	8.95	21.5	0.14	0.6	0.134	3.35	18.4	31.5	1.52	356	3.69	0.99	6.2
R614251		16.75	351	12.50	22.8	0.18	0.5	0.515	3.27	15.4	26.0	1.16	276	4.28	0.49	4.9
R614252		29.4	302	5.66	22.9	0.11	0.7	0.303	2.65	26.1	41.3	1.41	419	5.03	1.35	7.2
R614253		27.7	252	5.69	20.0	0.15	0.8	0.221	2.49	20.7	267	1.39	537	2.51	0.70	7.0
R614254		28.9	214	5.53	21.2	0.15	0.7	0.221	2.54	24.9	29.1	1.56	615	5.32	2.04	7.0
R614255		25.8	199.5	5.31	20.4	0.14	0.7	0.234	2.52	21.8	28.2	1.57	588	5.32	1.99	7.2
R614256		20.2	198.0	6.46	18.60	0.15	0.6	0.159	2.79	16.5	43.8	1.55	487	4.31	0.92	5.6
R614257		25.4	313	7.36	18.15	0.14	2.5	0.218	3.24	14.5	28.6	2.10	506	16.05	1.45	6.4
R614258		29.8	217	5.03	19.35	0.16	0.7	0.188	2.48	24.5	30.9	1.36	478	11.10	0.86	6.5

Comments: ***Corrected copy for Au-AA24 on samples R614223 to R614228 and R614230 to R614231.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121850

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614223		3.8	650	20.2	137.5	<0.002	9.45	13.60	10.7	2	2.7	88.4	0.21	6.68	6.41	0.177
R614224		1.5	190	1.4	1.0	<0.002	0.01	0.07	0.2	1	<0.2	52.3	<0.05	<0.05	0.06	<0.005
R614225		3.7	870	14.7	191.5	<0.002	4.61	5.09	14.0	1	2.9	96.1	0.30	5.24	8.05	0.222
R614226		3.4	840	16.0	114.0	<0.002	3.11	11.60	14.0	1	3.8	128.0	0.41	4.25	8.23	0.302
R614227		4.5	1010	16.8	122.5	<0.002	2.21	21.0	17.0	1	5.3	444	0.56	0.26	8.43	0.435
R614228		4.4	840	26.4	159.5	0.002	5.26	4.37	13.1	2	8.9	235	0.33	2.03	7.14	0.257
R614229		15.6	490	>10000	125.5	0.002	7.47	232	7.7	1	8.9	130.0	0.47	0.52	9.17	0.194
R614230		4.0	940	18.7	98.5	<0.002	1.33	2.27	12.6	1	2.2	665	0.50	0.43	8.09	0.386
R614231		3.6	570	6910	132.5	<0.002	4.19	21.2	8.6	1	2.0	180.0	0.69	0.56	15.70	0.239
R614232		1.5	200	6.9	1.0	<0.002	<0.01	0.09	0.2	1	<0.2	54.3	<0.05	<0.05	0.10	<0.005
R614233		4.4	870	14.1	131.0	<0.002	2.44	2.31	12.9	2	3.1	462	0.45	1.39	7.42	0.342
R614234		3.9	920	12.7	102.0	<0.002	1.60	2.34	12.4	1	2.2	699	0.52	0.36	8.43	0.377
R614235		3.9	920	11.9	96.3	<0.002	1.27	2.31	12.6	1	2.2	682	0.57	0.24	8.64	0.380
R614236		3.9	950	40.1	118.0	<0.002	2.52	6.36	12.0	1	3.9	658	0.53	0.65	8.21	0.382
R614237		3.9	940	13.2	86.0	<0.002	1.20	6.18	12.1	1	2.0	720	0.60	0.17	9.16	0.388
R614238		4.5	930	18.6	117.5	<0.002	3.40	12.15	13.5	1	3.9	617	0.58	0.78	9.04	0.391
R614239		4.5	900	13.2	94.5	<0.002	1.75	3.22	13.1	1	3.2	649	0.56	0.17	8.07	0.397
R614240		5.6	890	16.0	90.6	<0.002	1.89	6.82	13.9	1	3.0	409	0.52	0.25	7.13	0.397
R614241		7.6	1080	13.4	91.2	<0.002	1.72	4.25	18.2	1	3.9	679	0.49	0.33	5.83	0.466
R614242		7.8	1340	8.7	135.5	<0.002	8.94	2.42	5.9	2	2.2	282	0.34	2.08	7.97	0.217
R614243		8.5	1040	15.2	98.1	<0.002	2.46	8.58	17.8	1	3.9	517	0.55	0.50	9.46	0.451
R614244		12.7	570	1390	156.5	<0.002	4.90	63.3	9.7	1	8.3	100.5	0.56	1.20	11.95	0.218
R614245		5.8	1010	15.2	71.8	<0.002	2.73	21.1	15.5	1	5.5	261	0.51	0.62	8.20	0.437
R614246		6.3	760	69.6	114.5	<0.002	>10.0	8.94	12.9	2	8.4	164.0	0.35	2.18	6.13	0.308
R614247		6.5	770	62.9	111.0	<0.002	>10.0	5.28	12.0	2	7.0	152.5	0.31	4.31	5.97	0.302
R614248		18.8	980	28.8	188.0	0.002	5.12	2.63	15.4	1	10.1	247	0.46	0.75	7.29	0.384
R614249		19.3	430	78.8	66.8	<0.002	>10.0	6.13	8.5	4	4.0	151.0	0.21	4.25	3.81	0.171
R614250		8.2	920	35.4	132.5	<0.002	8.30	3.74	15.7	2	7.2	279	0.44	1.58	7.11	0.370
R614251		6.4	820	140.5	142.0	<0.002	>10.0	8.73	13.3	2	16.9	176.0	0.33	1.18	6.20	0.291
R614252		7.5	1070	31.3	105.0	<0.002	3.88	5.08	18.6	2	8.5	500	0.51	0.62	7.98	0.432
R614253		8.5	950	20.0	93.5	<0.002	4.38	12.45	15.2	2	6.6	431	0.46	0.40	7.59	0.395
R614254		9.0	1060	16.7	111.5	<0.002	3.44	10.10	18.3	2	4.6	660	0.48	0.23	8.64	0.438
R614255		9.0	1020	16.2	105.5	<0.002	3.30	9.57	16.1	1	4.6	621	0.50	0.20	7.50	0.440
R614256		7.4	940	41.8	113.0	<0.002	5.20	14.25	14.7	2	8.0	389	0.38	0.24	6.83	0.344
R614257		42.5	790	32.7	166.0	0.002	5.43	8.01	15.0	1	6.1	415	0.48	0.52	9.86	0.324
R614258		7.9	940	18.8	117.0	<0.002	3.23	16.65	15.6	1	5.6	434	0.46	0.36	7.72	0.394

Comments: ***Corrected copy for Au-AA24 on samples R614223 to R614228 and R614230 to R614231.***

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121850

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614223		3.40	2.2	89	6.4	8.9	43	14.6	0.238
R614224		<0.02	0.7	1	0.1	0.7	22	<0.5	<0.005
R614225		4.50	2.7	103	9.3	14.3	25	19.0	0.086
R614226		3.18	2.8	110	7.2	14.6	38	18.2	0.055
R614227		2.76	3.2	141	8.5	20.5	58	20.7	0.136
R614228		4.98	3.0	107	8.3	17.9	50	18.8	0.857
R614229		2.36	5.5	55	5.0	9.9	>10000	35.0	4.41
R614230		2.10	3.0	101	2.2	15.7	55	14.0	0.012
R614231		2.09	4.1	65	5.6	14.8	>10000	20.5	3.33
R614232		<0.02	0.6	2	0.1	0.9	25	0.5	<0.005
R614233		2.64	2.8	102	3.2	15.0	45	16.2	0.028
R614234		2.16	2.9	96	1.8	15.3	40	13.3	0.011
R614235		2.13	2.8	95	1.5	15.3	38	14.5	0.013
R614236		2.54	3.2	102	3.8	17.6	252	14.7	0.127
R614237		2.09	3.1	99	1.9	18.3	42	13.1	0.015
R614238		3.02	3.4	101	4.7	19.6	46	14.1	0.099
R614239		2.15	2.9	103	3.0	19.5	41	13.2	0.016
R614240		1.70	2.5	121	3.4	18.1	51	15.4	0.021
R614241		2.06	2.1	151	1.7	21.5	50	14.3	0.032
R614242		3.00	2.9	53	4.4	8.3	15	141.5	0.024
R614243		1.95	3.1	149	3.6	22.4	48	13.3	0.036
R614244		2.81	5.5	64	6.5	12.1	2510	30.7	0.860
R614245		2.10	3.0	138	9.6	19.8	54	12.9	0.039
R614246		2.98	2.5	109	5.6	19.7	168	9.7	0.605
R614247		3.24	2.3	107	7.3	17.7	223	8.7	0.382
R614248		5.37	2.8	125	4.5	22.0	105	37.4	0.142
R614249		1.90	1.6	78	6.5	15.9	303	19.0	0.402
R614250		3.74	2.9	137	6.2	20.5	166	11.4	0.114
R614251		3.23	2.6	115	7.0	16.4	292	10.1	0.335
R614252		2.89	3.2	149	4.9	21.5	96	13.3	0.086
R614253		2.51	3.1	130	5.0	19.5	66	16.4	0.129
R614254		2.28	3.4	150	4.4	23.9	57	11.8	0.043
R614255		2.23	2.9	146	4.9	20.2	55	11.5	0.040
R614256		2.65	2.6	128	7.1	16.1	68	10.5	0.086
R614257		3.57	5.1	112	5.6	16.0	150	86.1	0.173
R614258		2.58	3.3	133	9.3	21.0	49	12.0	0.042

Comments: ***Corrected copy for Au-AA24 on samples R614223 to R614228 and R614230 to R614231.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121850

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 27-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121851

Project: Klaza

P.O. No.: Batch 63

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

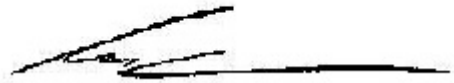
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 27-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121851

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614259		7.14	0.98	7.90	88.6	1010	1.45	5.35	4.36	0.37	51.5	12.3	13	12.85	202	4.43
R614260		10.24	1.03	7.55	20.7	1370	1.48	2.21	4.18	0.20	45.9	11.5	21	26.4	106.0	3.71
R614261		5.94	0.55	7.60	23.2	880	1.47	2.22	3.26	0.20	49.2	9.5	22	26.0	200	4.54
R614262		10.94	0.32	7.42	12.6	1170	1.22	1.26	3.89	0.12	44.8	12.2	23	17.20	93.9	4.30
R614263		3.62	0.53	7.47	55.3	1450	1.27	5.03	5.15	0.18	44.3	10.4	20	23.6	101.0	3.78
R614264		1.92	0.30	7.70	38.4	1320	1.37	2.04	4.00	0.19	40.9	10.6	20	19.35	74.9	4.05
R614265		4.32	0.65	6.77	410	1030	1.17	4.15	6.36	0.15	50.1	9.3	17	8.28	211	4.32
R614266		7.74	0.45	7.22	43.3	790	1.59	1.74	3.88	0.10	31.9	9.0	19	13.70	181.5	4.16
R614267		5.34	0.91	7.28	44.5	650	1.38	2.57	2.94	0.12	30.0	12.1	17	13.50	315	4.68
R614268		5.24	0.16	7.17	14.5	830	1.47	1.19	3.72	0.09	30.9	12.5	19	11.00	66.8	3.85
R614269		12.78	0.11	7.52	7.6	1740	1.44	1.01	3.49	0.09	31.5	6.8	18	13.30	27.0	3.56
R614270		12.04	0.20	7.28	11.2	1560	1.58	1.91	3.58	0.12	32.5	9.6	16	16.30	39.6	3.25
R614271		11.94	1.77	7.35	42.7	1030	1.66	16.90	3.66	0.27	35.6	6.7	18	11.05	385	4.32
R614272		12.04	0.74	7.09	96.7	1230	1.60	7.30	3.93	0.31	34.8	7.4	15	15.50	135.5	3.63
R614273		12.46	0.20	7.55	13.4	1420	1.56	2.32	2.93	0.12	34.6	6.8	18	9.54	33.8	3.74
R614274		0.34	10.10	6.41	1510	1150	1.41	10.80	1.87	31.3	44.0	17.0	18	12.35	278	6.43
R614275		12.22	0.24	7.61	21.6	1360	1.60	2.87	3.23	0.16	34.8	7.0	17	8.09	38.4	3.72
R614276		12.62	0.15	7.74	13.3	2000	1.65	2.17	3.20	0.09	46.4	6.7	18	7.00	34.9	3.57
R614277		12.24	0.28	7.84	16.7	1450	1.58	10.35	3.26	0.08	39.9	6.5	18	5.43	103.0	3.91
R614278		12.26	0.16	8.05	12.9	2040	1.75	1.43	3.37	0.11	43.3	7.8	20	6.24	45.3	3.80
R614279		11.56	0.22	7.96	7.1	1290	1.53	13.75	3.64	0.13	42.7	9.9	14	11.50	64.7	4.41
R614280		0.34	4.18	6.94	741	1060	1.59	3.38	2.17	11.15	49.1	12.8	26	13.00	326	5.27
R614281		9.04	0.96	8.43	12.4	1210	1.53	15.65	4.59	0.15	41.4	11.7	13	13.95	330	5.00
R614282		4.40	0.78	7.39	42.4	450	1.38	12.55	3.60	0.15	32.8	14.9	11	22.5	204	6.44
R614283		5.46	0.01	0.06	<0.2	60	0.06	0.08	20.9	0.06	0.94	0.6	1	0.14	1.8	0.46
R614284		4.88	0.96	7.34	18.0	1290	1.30	6.21	4.59	0.17	30.2	13.3	13	32.0	356	4.87
R614285		8.32	0.63	7.55	10.4	1300	1.46	6.20	3.80	0.25	31.6	13.6	14	11.65	151.0	5.03
R614286		3.60	11.75	6.95	239	600	1.37	110.5	3.54	11.85	37.2	11.4	18	14.90	1635	9.49
R614287		5.04	0.02	0.08	<0.2	70	0.08	0.16	20.1	0.08	1.01	0.6	<1	0.41	3.7	0.48
R614288		8.56	1.23	7.93	15.9	1100	1.47	10.15	3.40	0.33	37.4	15.2	13	14.25	324	5.49
R614289		12.32	1.38	8.15	16.2	1280	1.46	26.0	3.55	0.20	38.1	14.2	14	9.26	421	5.43
R614290		12.92	0.79	8.11	15.2	1240	1.52	8.70	3.47	0.22	42.4	13.9	17	9.24	233	5.11
R614291		<0.02	0.80	7.74	15.8	1230	1.53	9.32	3.52	0.21	35.6	14.3	16	9.01	244	5.17
R614292		12.36	0.78	7.64	11.4	1230	1.50	8.60	3.50	0.21	34.9	13.0	14	7.49	216	4.81
R614293		11.80	0.92	8.15	17.4	1220	1.43	9.44	3.90	0.30	39.8	14.4	16	9.19	240	4.92
R614294		12.42	0.41	7.94	6.3	1340	1.51	6.73	4.08	0.26	36.9	14.3	17	5.55	138.5	4.98

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614259		20.3	0.21	0.7	0.171	1.36	22.0	71.1	1.31	457	6.03	0.11	6.9	5.5	920	22.3
R614260		19.65	0.20	0.9	0.108	2.17	19.0	25.3	1.20	408	2.85	2.10	7.5	4.2	820	9.7
R614261		18.80	0.20	0.9	0.086	1.91	19.7	30.8	1.58	321	3.47	2.24	6.5	3.8	880	13.6
R614262		18.80	0.20	1.0	0.076	1.98	18.8	27.0	1.61	471	5.56	2.43	7.1	4.7	880	9.1
R614263		18.50	0.23	0.9	0.085	1.85	18.9	24.1	1.04	533	5.04	1.24	6.8	4.1	880	11.7
R614264		20.5	0.24	1.0	0.083	1.97	16.6	26.6	1.11	436	4.63	1.41	7.5	4.2	940	10.0
R614265		16.75	0.20	0.8	0.095	1.00	21.2	37.5	2.04	546	8.92	0.04	6.0	4.0	730	12.7
R614266		18.15	0.14	0.8	0.076	2.02	12.9	25.0	1.33	307	6.00	1.34	6.2	7.6	850	11.2
R614267		17.30	0.15	0.7	0.086	3.31	12.8	21.3	1.16	249	9.73	0.22	4.2	4.5	770	13.0
R614268		16.80	0.14	0.7	0.055	1.98	13.5	23.2	1.43	324	3.76	1.76	6.6	4.1	790	7.8
R614269		17.30	0.13	0.7	0.048	2.25	13.3	20.4	1.22	316	4.39	2.39	6.8	4.2	800	8.6
R614270		17.30	0.14	0.6	0.051	2.20	13.2	17.6	0.97	288	3.33	2.36	7.0	4.2	790	10.2
R614271		18.00	0.16	0.6	0.091	2.38	16.8	24.1	1.23	361	8.14	2.21	7.0	3.7	820	21.1
R614272		17.30	0.15	0.6	0.077	2.25	15.9	109.5	1.07	264	13.80	1.11	6.8	3.7	810	21.2
R614273		18.15	0.16	0.6	0.069	2.48	14.5	24.2	1.26	289	10.40	2.46	7.2	4.1	810	11.9
R614274		13.95	0.15	1.0	0.724	2.87	24.2	19.8	0.76	1740	9.01	0.13	6.1	12.1	530	1295
R614275		18.20	0.13	0.7	0.043	2.24	15.7	19.5	1.24	302	6.53	2.69	7.1	4.0	840	12.8
R614276		18.50	0.16	1.1	0.042	2.20	22.7	17.3	1.24	313	10.80	2.63	7.7	4.5	960	14.3
R614277		18.25	0.14	0.6	0.044	2.21	18.3	15.1	1.32	322	8.48	2.68	7.4	3.9	920	9.9
R614278		19.05	0.14	0.6	0.048	2.08	20.2	15.2	1.43	322	3.61	2.79	8.0	4.1	940	13.5
R614279		18.40	0.15	0.6	0.049	1.60	19.9	20.5	2.00	419	8.40	2.56	6.5	5.7	1020	10.3
R614280		14.85	0.15	1.0	0.323	3.15	29.3	27.5	0.82	1900	14.20	0.16	6.2	15.4	550	524
R614281		19.70	0.13	0.6	0.073	1.77	19.1	17.0	1.77	465	12.45	2.47	7.4	6.1	1090	9.9
R614282		17.50	0.14	0.5	0.057	1.89	13.8	18.5	1.65	335	63.9	1.77	5.6	5.6	980	16.8
R614283		0.17	0.10	<0.1	<0.005	0.02	0.5	1.3	13.05	200	0.21	0.01	0.1	1.3	210	5.3
R614284		18.40	0.12	0.6	0.091	1.90	12.5	22.8	1.46	429	21.2	1.53	6.6	6.8	1040	26.0
R614285		19.05	0.13	0.6	0.098	2.08	13.3	18.3	1.84	483	17.15	2.29	7.2	6.8	1030	12.3
R614286		17.85	0.17	0.5	0.619	2.35	18.7	22.6	1.40	266	4.19	0.92	4.9	6.8	860	107.0
R614287		0.24	0.10	<0.1	0.006	0.03	0.5	1.5	12.40	213	0.16	0.01	0.2	1.5	160	1.5
R614288		18.95	0.15	0.6	0.058	2.10	18.3	19.4	1.91	349	11.80	2.02	7.0	6.2	1000	14.6
R614289		19.90	0.16	0.6	0.068	2.27	18.7	16.4	1.80	366	9.75	2.21	7.4	6.4	1040	9.4
R614290		19.85	0.16	0.7	0.063	2.35	21.3	17.1	1.75	337	3.63	2.20	7.0	6.7	990	11.6
R614291		20.8	0.14	0.6	0.069	2.37	17.2	17.5	1.71	342	4.17	2.25	7.3	6.7	1010	11.8
R614292		20.1	0.17	0.6	0.063	2.24	16.5	15.8	1.68	364	12.85	2.30	7.4	6.4	970	10.6
R614293		19.45	0.14	0.7	0.082	2.05	19.4	14.2	1.76	417	9.77	2.23	7.3	6.3	990	13.9
R614294		20.1	0.14	0.6	0.070	2.03	16.6	13.6	1.83	526	5.41	2.46	7.7	7.5	1030	9.8

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Finalized Date: 27-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614259		52.7	<0.002	3.09	33.3	14.2	1	6.2	217	0.46	0.46	7.36	0.398	1.31	3.3	131
R614260		103.5	<0.002	1.88	5.74	13.8	1	4.8	669	0.53	0.21	7.43	0.375	1.86	2.8	116
R614261		113.0	<0.002	3.10	3.29	14.2	2	5.0	560	0.46	0.27	7.96	0.368	2.01	3.7	121
R614262		83.2	<0.002	1.85	2.35	14.4	1	3.5	610	0.48	0.13	6.45	0.395	1.80	2.5	123
R614263		76.6	<0.002	1.74	13.05	14.4	2	4.0	488	0.45	0.25	6.25	0.400	1.65	2.6	128
R614264		71.8	<0.002	1.88	11.60	15.1	2	4.3	494	0.50	0.19	6.35	0.426	1.82	2.7	134
R614265		82.0	<0.002	2.60	52.7	11.6	2	5.5	184.5	0.40	0.42	6.24	0.326	1.13	3.5	104
R614266		91.0	0.003	2.40	6.73	11.9	1	6.3	418	0.41	0.19	5.15	0.355	2.20	2.3	113
R614267		222	0.002	3.95	2.65	11.2	2	8.1	126.0	0.27	0.40	5.27	0.278	3.24	2.7	98
R614268		76.2	0.002	2.02	1.90	11.3	1	5.5	498	0.44	0.14	5.36	0.350	1.81	2.2	103
R614269		76.8	<0.002	1.50	1.39	9.3	1	2.9	604	0.48	0.09	5.98	0.335	1.81	2.2	89
R614270		78.4	<0.002	1.58	2.04	8.7	1	3.4	588	0.48	0.12	6.03	0.320	1.80	2.2	79
R614271		90.6	0.002	2.36	4.13	9.4	1	4.2	605	0.49	0.36	6.23	0.331	1.94	2.3	84
R614272		87.8	<0.002	2.27	7.54	9.4	1	4.9	403	0.48	0.41	6.39	0.330	2.20	2.4	86
R614273		85.6	<0.002	2.14	2.33	9.1	1	3.8	615	0.47	0.16	5.86	0.327	2.07	2.1	84
R614274		163.0	<0.002	4.54	62.3	8.7	2	7.9	93.6	0.48	1.17	11.15	0.203	2.66	4.9	60
R614275		78.1	<0.002	1.82	1.39	9.0	1	4.1	618	0.50	0.28	6.80	0.328	1.83	2.5	84
R614276		83.9	<0.002	1.44	1.01	9.5	1	4.3	618	0.52	0.35	6.87	0.346	1.78	2.6	88
R614277		73.0	0.003	1.57	1.16	9.9	1	3.8	667	0.53	0.18	6.67	0.356	1.54	2.3	94
R614278		80.3	<0.002	1.49	1.35	11.3	1	3.4	710	0.55	0.15	7.46	0.379	1.59	2.6	98
R614279		71.5	0.002	1.92	1.01	13.6	1	4.2	640	0.41	0.34	5.07	0.404	1.48	2.0	127
R614280		172.0	0.003	2.81	27.3	9.2	1	5.8	111.0	0.49	0.29	11.85	0.212	2.72	4.9	66
R614281		76.1	<0.002	1.67	0.90	15.0	1	3.7	617	0.46	0.25	5.69	0.440	1.56	2.1	142
R614282		87.0	0.010	4.26	1.38	13.4	2	5.1	460	0.37	0.35	4.94	0.359	1.73	2.5	124
R614283		1.0	<0.002	0.01	0.06	0.1	<1	<0.2	43.9	<0.05	<0.05	0.08	<0.005	0.02	0.9	1
R614284		62.1	<0.002	2.08	1.61	13.3	1	3.5	437	0.41	0.36	4.27	0.402	1.77	1.9	136
R614285		66.0	0.002	2.00	1.64	13.2	1	3.7	597	0.46	0.28	4.32	0.428	1.95	1.8	135
R614286		146.5	0.002	8.09	4.81	12.6	2	9.0	293	0.34	1.98	5.32	0.306	2.52	2.1	112
R614287		2.1	0.003	0.01	0.06	0.1	<1	0.2	46.7	<0.05	<0.05	0.12	<0.005	0.02	0.8	1
R614288		95.2	0.003	2.89	1.58	13.8	2	4.9	531	0.46	0.53	6.29	0.400	2.38	2.4	132
R614289		90.0	0.003	2.48	1.44	14.4	1	4.4	585	0.48	0.81	6.62	0.418	2.38	2.5	135
R614290		108.5	<0.002	2.60	1.58	14.7	1	4.9	539	0.47	0.80	7.12	0.404	2.47	2.6	131
R614291		82.9	<0.002	2.67	1.69	13.6	2	5.0	550	0.49	0.90	6.14	0.414	2.67	2.4	135
R614292		84.8	<0.002	2.32	1.37	13.8	1	5.5	551	0.46	1.04	5.42	0.403	2.55	2.2	130
R614293		87.6	0.003	1.99	1.49	14.3	2	5.1	584	0.47	0.50	7.08	0.421	2.00	2.4	134
R614294		63.8	<0.002	1.31	1.04	14.2	1	3.8	644	0.50	0.64	4.55	0.441	1.76	1.8	140

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121851

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614259		12.4	18.3	69	13.9	0.031
R614260		5.7	19.0	39	18.4	0.013
R614261		5.3	17.8	42	18.0	0.036
R614262		2.5	18.7	39	20.0	0.015
R614263		5.9	20.2	44	18.2	0.010
R614264		6.8	17.8	42	21.4	0.008
R614265		10.0	16.4	40	17.7	0.020
R614266		6.0	13.9	40	18.0	0.054
R614267		7.7	17.1	31	16.4	0.634
R614268		2.8	16.5	37	15.8	0.010
R614269		1.9	12.0	36	13.9	<0.005
R614270		2.7	12.5	31	12.5	0.006
R614271		2.8	14.0	41	11.5	0.272
R614272		5.4	12.9	43	11.5	0.027
R614273		2.4	13.3	36	12.4	0.007
R614274		6.1	10.6	2420	27.7	0.798
R614275		3.9	13.4	36	13.3	0.010
R614276		2.8	16.0	32	34.5	0.005
R614277		2.3	16.7	31	12.5	0.051
R614278		5.9	18.1	30	12.2	<0.005
R614279		2.5	18.0	39	10.1	0.006
R614280		6.0	12.3	932	30.9	0.357
R614281		3.6	17.2	43	10.5	0.032
R614282		5.2	13.9	41	10.5	0.079
R614283		0.1	0.7	16	<0.5	<0.005
R614284		4.7	13.6	43	11.3	0.038
R614285		6.1	17.0	54	10.9	0.039
R614286		8.6	14.6	876	9.7	0.795
R614287		0.1	0.7	20	<0.5	<0.005
R614288		6.9	18.2	49	9.8	0.102
R614289		5.8	19.0	42	10.7	0.067
R614290		5.2	19.4	42	11.7	0.047
R614291		5.4	18.3	42	11.0	0.046
R614292		4.6	18.3	42	10.3	0.020
R614293		3.5	19.9	49	11.4	0.050
R614294		2.9	19.1	48	10.5	0.008

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 27-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121851

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

CERTIFICATE VA16121852

Project: Klaza

P.O. No.: Batch 65

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

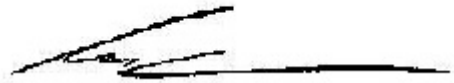
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121852

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614295		13.20	0.54	8.03	6.7	1290	1.35	3.62	4.00	0.23	43.8	14.5	20	7.69	132.5	4.71
R614296		12.82	0.38	7.80	7.8	1440	1.38	3.29	3.92	0.15	37.9	13.3	19	8.74	91.7	4.90
R614297		11.96	0.53	8.21	7.7	1140	1.40	3.24	3.34	0.18	41.9	13.9	22	11.95	160.0	5.32
R614298		12.42	0.92	7.87	25.9	1020	1.28	8.31	3.42	0.35	37.5	13.7	19	19.65	262	5.42
R614299		12.74	1.25	8.03	28.3	770	1.43	16.90	3.57	0.27	36.7	15.1	21	12.50	441	5.87
R614300		<0.02	1.14	8.14	27.9	1090	1.49	13.85	3.47	0.24	38.6	13.5	20	12.85	394	5.58
R614301		7.46	0.90	8.19	7.3	1310	1.44	13.05	3.72	0.40	40.4	12.8	22	11.10	271	5.36
R614302		4.50	0.77	8.56	10.0	1350	1.42	7.70	3.72	0.23	43.1	15.5	23	11.70	201	5.50
R614303		12.22	0.90	8.46	15.0	1320	1.41	8.54	3.54	0.34	41.1	14.7	21	12.10	319	5.69
R614304		12.70	0.43	8.11	4.6	1340	1.41	2.84	3.91	0.19	50.1	15.1	20	7.16	122.0	5.01
R614305		11.88	0.31	8.02	4.5	1380	1.24	1.67	4.15	0.16	49.9	14.9	18	6.48	72.6	4.96
R614306		11.64	0.47	8.18	5.4	1300	1.40	1.64	4.07	0.13	40.3	22.0	18	6.77	172.0	5.20
R614307		12.90	0.57	8.51	6.9	1330	1.37	6.93	4.14	0.17	43.2	18.5	23	8.78	205	5.34
R614308		11.48	1.53	8.42	8.8	1340	1.43	12.95	4.25	0.30	42.4	18.6	24	7.69	285	5.69
R614309		5.60	0.72	8.29	9.0	1260	1.31	4.05	4.20	0.21	44.5	18.5	25	7.13	202	5.36
R614310		13.14	0.98	8.42	7.9	1370	1.38	2.65	3.78	0.17	36.7	22.6	21	8.46	301	5.76
R614311		12.28	0.99	8.30	8.6	1040	1.38	2.54	3.76	0.12	40.5	19.2	24	8.51	329	5.98
R614312		11.38	0.94	7.89	7.5	1340	1.33	2.20	3.80	0.15	38.2	16.7	23	9.68	248	5.33
R614313		11.54	1.24	7.89	31.5	1020	1.53	4.49	4.00	0.16	37.8	15.7	21	15.05	350	4.94
R614314		0.34	12.55	6.73	1595	970	1.34	12.15	1.85	33.8	47.3	19.0	19	13.85	288	6.63
R614315		11.10	1.71	7.72	13.3	430	1.33	5.66	3.02	0.21	34.8	56.3	20	16.05	614	5.90
R614316		7.54	0.17	7.09	9.2	440	1.74	4.03	3.39	0.13	42.6	7.1	19	12.75	7.5	3.43
R614317		2.00	0.24	7.25	9370	400	1.61	4.04	4.66	0.38	54.2	12.0	16	10.85	49.2	3.89
R614318		6.14	0.01	0.05	10.9	20	<0.05	0.04	20.7	0.06	1.03	0.8	1	0.19	2.0	0.47
R614319		4.10	0.73	7.84	82.8	1430	1.48	1.89	3.99	0.14	40.6	17.8	18	10.30	412	4.61
R614320		13.56	1.18	8.14	12.0	1220	1.24	5.89	3.63	0.18	42.0	20.6	23	11.85	351	5.76
R614321		13.12	1.71	8.19	6.9	1410	1.25	2.46	3.68	0.21	39.4	20.6	21	7.55	543	5.65
R614322		11.64	1.00	7.72	12.8	1320	1.27	1.97	3.84	0.31	34.3	17.9	21	7.05	236	5.76
R614323		12.68	0.97	7.68	7.9	1220	1.28	1.96	3.91	0.15	33.3	22.0	23	7.98	194.5	5.60
R614324		14.68	1.25	7.84	14.2	1300	1.28	3.17	4.11	0.18	35.4	18.4	22	8.92	336	5.39
R614325		0.36	11.40	6.73	1650	980	1.48	12.20	1.92	34.5	45.8	18.3	20	13.90	285	6.74
R614326		11.20	1.47	7.57	25.4	960	1.11	10.65	4.16	0.22	34.4	18.1	19	14.70	274	5.86
R614327		12.56	2.37	7.96	17.8	1260	1.19	3.68	4.10	0.18	37.2	21.2	20	10.75	406	5.44
R614328		11.92	0.86	7.89	8.4	1300	1.28	1.80	4.20	0.10	43.0	18.6	22	8.30	213	5.33
R614329		6.10	0.01	0.07	0.2	20	0.08	0.03	21.5	0.06	1.11	0.7	2	0.22	2.4	0.47
R614330		12.62	1.86	7.62	69.1	930	1.17	9.01	4.02	0.30	34.2	14.1	20	13.45	462	5.50

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614295		21.0	0.14	0.7	0.090	1.96	21.0	13.5	1.77	538	7.33	2.33	7.7	6.6	1030	11.2
R614296		20.6	0.15	0.7	0.074	2.06	17.4	13.0	1.73	528	3.88	2.41	7.9	6.6	1030	12.2
R614297		21.0	0.14	0.6	0.043	2.08	19.7	17.0	1.72	362	11.25	2.25	7.5	6.1	1040	9.6
R614298		21.1	0.12	0.6	0.079	2.21	17.4	18.9	1.65	324	4.60	2.01	7.2	5.9	1020	15.8
R614299		21.7	0.13	0.6	0.088	2.69	16.4	17.4	1.74	407	4.79	2.13	7.5	6.9	1080	13.7
R614300		21.7	0.15	0.6	0.083	2.67	17.7	17.3	1.73	401	4.36	2.13	7.7	6.4	1070	11.8
R614301		21.0	0.12	0.6	0.164	2.28	19.0	14.3	1.79	437	4.91	2.17	7.6	6.3	1040	13.5
R614302		21.1	0.14	0.6	0.091	2.36	20.3	14.2	1.86	464	5.43	2.17	7.4	6.5	1080	13.0
R614303		21.4	0.12	0.6	0.084	2.34	18.9	15.6	1.81	429	3.15	2.23	7.4	6.1	1080	13.9
R614304		20.6	0.14	0.6	0.097	2.03	25.1	13.0	1.75	519	3.48	2.37	7.7	6.1	1040	11.1
R614305		20.1	0.12	0.6	0.083	1.99	25.1	12.3	1.79	627	4.28	2.49	7.5	6.0	1080	10.1
R614306		20.3	0.13	0.7	0.104	1.97	18.5	12.9	1.82	577	11.35	2.51	7.5	7.3	1020	10.1
R614307		21.2	0.14	0.7	0.095	2.05	20.4	14.7	2.04	571	3.87	2.42	7.5	7.7	1070	10.4
R614308		22.2	0.13	0.7	0.124	2.02	19.5	14.3	2.13	628	5.53	2.37	7.5	8.3	1080	13.1
R614309		21.2	0.14	0.8	0.116	1.89	21.1	13.3	2.06	608	4.12	2.32	7.5	8.1	1050	11.5
R614310		21.6	0.14	0.7	0.141	2.25	16.4	17.3	2.04	507	5.75	2.32	6.6	8.8	1060	9.1
R614311		21.4	0.12	0.7	0.147	1.99	19.0	18.8	2.08	466	4.16	2.27	7.3	8.1	1070	8.7
R614312		21.3	0.11	0.6	0.144	1.94	17.1	18.9	2.09	476	3.47	2.07	7.3	7.7	1020	8.6
R614313		21.8	0.13	0.6	0.146	1.72	17.3	25.5	1.44	338	2.90	1.27	7.0	7.7	1030	9.7
R614314		15.80	0.09	1.1	0.795	2.92	25.7	17.4	0.78	1810	9.17	0.13	6.6	13.1	510	1300
R614315		22.3	0.10	0.7	0.124	2.22	16.7	23.2	1.85	297	5.43	1.89	6.4	9.5	900	10.4
R614316		20.9	0.11	3.8	0.005	2.88	21.5	23.8	0.93	132	2.58	0.09	7.0	6.7	1260	7.6
R614317		21.0	0.11	2.2	0.015	2.07	28.0	28.7	1.51	232	4.61	0.05	5.6	7.4	1080	11.7
R614318		0.21	0.12	<0.1	0.005	0.02	0.5	0.7	12.75	211	0.12	<0.01	0.1	1.7	160	1.1
R614319		21.8	0.11	0.6	0.129	1.22	19.2	26.4	1.09	358	4.71	0.79	7.0	7.7	970	8.2
R614320		21.8	0.11	0.7	0.150	2.05	20.2	16.8	2.06	507	3.56	2.09	7.4	7.9	960	11.2
R614321		20.9	0.10	0.7	0.201	2.07	18.3	14.4	1.99	616	3.49	2.13	7.5	8.0	960	9.2
R614322		19.90	0.10	0.6	0.122	1.95	15.6	15.5	1.92	613	6.16	2.17	6.7	9.3	990	14.8
R614323		21.2	0.11	0.6	0.119	1.86	14.5	15.7	1.94	567	9.50	2.27	7.1	8.5	1030	8.4
R614324		20.1	0.12	0.6	0.131	1.90	16.1	14.2	2.01	626	3.05	2.22	6.9	7.9	1010	9.1
R614325		15.50	0.11	1.1	0.798	2.94	25.1	18.4	0.79	1860	8.78	0.13	6.4	12.7	540	1330
R614326		20.5	0.11	0.6	0.119	1.96	15.5	16.4	1.96	517	3.24	2.24	6.7	8.0	990	11.6
R614327		20.8	0.12	0.6	0.174	1.96	17.2	15.4	2.03	699	4.54	2.20	7.1	8.5	1010	9.0
R614328		21.1	0.12	0.7	0.084	1.93	20.4	14.5	2.02	631	3.16	2.35	7.4	8.2	1040	8.2
R614329		0.25	0.11	<0.1	<0.005	0.03	0.5	1.0	13.20	218	0.07	0.01	0.2	1.8	190	1.2
R614330		21.0	0.08	0.6	0.084	2.17	15.9	17.0	1.85	491	5.00	2.00	7.0	7.1	960	21.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614295		76.8	0.002	1.35	1.55	16.0	1	3.6	611	0.52	0.41	6.35	0.430	1.83	2.4	141
R614296		61.7	0.002	1.39	1.42	15.2	1	3.3	633	0.52	0.39	5.79	0.434	1.63	2.2	142
R614297		91.1	0.012	2.39	0.98	15.2	2	4.4	546	0.50	0.27	7.24	0.424	2.27	2.8	141
R614298		87.0	0.002	2.89	3.48	14.5	2	5.2	493	0.48	0.94	5.54	0.411	2.62	2.4	139
R614299		86.5	0.003	3.05	2.13	14.5	2	5.4	554	0.51	2.38	5.65	0.446	2.96	2.5	151
R614300		97.4	<0.002	2.73	2.20	15.1	1	5.3	549	0.50	2.04	5.97	0.445	2.92	2.6	148
R614301		75.2	0.002	1.86	1.37	15.1	2	5.1	567	0.54	1.43	7.18	0.432	2.69	2.8	147
R614302		95.0	0.002	2.23	1.27	15.6	2	4.4	588	0.50	0.78	6.91	0.443	2.46	2.8	147
R614303		86.9	<0.002	2.56	1.60	14.7	1	4.7	552	0.51	1.49	6.52	0.447	2.53	2.6	148
R614304		69.3	0.002	1.54	0.74	15.6	1	3.7	626	0.52	0.22	6.60	0.434	1.69	2.6	142
R614305		54.2	0.004	0.83	0.74	15.2	1	2.6	663	0.50	0.14	5.89	0.445	1.39	2.2	146
R614306		67.5	0.002	1.78	0.79	16.0	2	3.6	646	0.50	0.18	6.77	0.436	1.44	2.7	144
R614307		82.4	0.003	1.47	0.89	17.9	2	3.9	638	0.49	1.04	6.91	0.476	1.80	2.4	159
R614308		67.5	0.002	1.62	0.84	18.6	2	4.1	645	0.48	0.93	5.98	0.492	1.72	2.3	169
R614309		69.4	0.002	1.38	0.78	18.4	2	4.0	633	0.49	0.23	6.10	0.479	1.58	2.4	162
R614310		82.5	0.003	2.66	1.03	18.5	2	5.0	626	0.42	0.16	5.00	0.465	2.12	2.5	162
R614311		72.5	0.004	2.97	1.22	18.2	2	5.1	601	0.48	0.16	5.80	0.466	1.91	2.5	160
R614312		63.4	0.003	2.13	1.37	17.2	2	5.0	582	0.50	0.32	5.80	0.461	2.04	2.3	157
R614313		66.6	0.002	2.36	6.59	16.9	2	6.5	395	0.48	0.34	5.67	0.441	2.04	2.4	152
R614314		175.5	0.002	4.73	61.3	9.4	2	8.1	96.9	0.53	1.10	11.55	0.208	2.50	5.2	63
R614315		103.0	0.002	3.84	1.06	15.3	3	5.6	508	0.41	1.38	5.13	0.392	2.77	2.9	141
R614316		105.0	<0.002	3.19	0.52	5.2	2	3.6	217	0.39	2.70	7.32	0.221	2.06	4.8	60
R614317		81.0	<0.002	3.14	39.6	8.6	1	3.3	319	0.31	1.61	6.48	0.242	1.67	3.5	87
R614318		1.2	<0.002	<0.01	0.10	0.2	<1	<0.2	40.8	<0.05	<0.05	0.07	<0.005	<0.02	0.4	1
R614319		41.6	<0.002	2.04	18.10	15.9	1	5.9	283	0.47	0.26	5.64	0.436	1.38	2.6	154
R614320		81.4	<0.002	2.69	1.45	16.3	1	6.2	551	0.50	0.51	5.86	0.446	2.16	2.3	153
R614321		71.6	<0.002	2.02	0.86	17.2	1	4.5	569	0.49	0.14	5.72	0.459	1.70	3.2	156
R614322		59.5	<0.002	2.03	1.04	17.6	2	3.8	607	0.45	0.21	4.94	0.455	1.62	2.4	155
R614323		51.5	<0.002	2.14	1.59	17.0	2	5.1	624	0.49	0.14	4.84	0.462	1.86	2.1	158
R614324		60.9	<0.002	1.81	2.29	16.9	1	4.1	644	0.47	0.38	4.97	0.471	2.00	2.1	158
R614325		170.5	<0.002	4.79	62.5	9.7	1	8.0	98.4	0.54	1.29	11.35	0.214	2.64	5.4	64
R614326		58.7	<0.002	2.98	2.95	16.0	2	5.3	550	0.46	0.66	4.41	0.452	2.32	2.0	156
R614327		72.4	<0.002	1.94	3.52	18.3	2	3.9	616	0.47	0.24	5.12	0.478	2.20	2.0	163
R614328		55.8	<0.002	1.71	1.45	17.8	1	3.8	646	0.48	0.24	5.15	0.475	1.85	2.2	161
R614329		1.5	<0.002	<0.01	0.06	0.2	1	<0.2	42.7	<0.05	<0.05	0.06	<0.005	0.02	0.4	3
R614330		82.3	<0.002	3.12	2.70	15.2	2	5.1	540	0.49	1.83	5.27	0.432	2.43	2.2	149

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16121852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614295		2.6	19.4	44	11.3	0.012
R614296		2.8	18.3	44	11.7	0.016
R614297		9.8	19.1	41	11.2	0.013
R614298		11.9	18.2	47	10.1	0.032
R614299		6.5	18.3	44	11.3	0.042
R614300		6.9	18.7	43	11.3	0.029
R614301		6.3	18.1	50	11.4	0.021
R614302		8.9	19.0	51	10.9	0.015
R614303		7.5	18.7	54	10.8	0.024
R614304		6.6	19.4	51	11.1	0.009
R614305		2.4	18.0	52	11.2	0.010
R614306		3.4	19.3	56	11.0	0.013
R614307		5.0	19.2	52	12.4	0.028
R614308		7.7	20.3	64	14.0	0.018
R614309		3.9	20.4	58	15.2	0.012
R614310		7.5	20.6	53	13.4	0.018
R614311		4.6	20.1	49	12.2	0.021
R614312		6.6	18.3	47	11.2	0.013
R614313		14.7	18.4	42	11.1	0.027
R614314		5.8	12.1	2450	27.6	0.820
R614315		14.5	18.0	43	12.8	0.036
R614316		6.6	8.7	20	153.5	<0.005
R614317		7.1	11.0	32	86.6	0.006
R614318		0.1	0.7	14	0.5	<0.005
R614319		15.6	18.2	49	11.1	0.022
R614320		8.8	20.2	56	10.7	0.024
R614321		9.3	19.5	71	12.1	0.027
R614322		7.3	18.3	70	11.2	0.022
R614323		5.9	18.4	56	11.3	0.011
R614324		3.3	18.6	53	10.2	0.024
R614325		5.9	12.2	2460	30.7	0.831
R614326		10.2	17.7	55	11.2	0.028
R614327		6.6	19.7	63	11.4	0.032
R614328		3.9	19.1	50	11.8	0.016
R614329		0.1	0.8	15	<0.5	<0.005
R614330		5.6	18.6	56	10.9	0.073

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 24-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16121852

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

CERTIFICATE VA16123340

Project: Klaza

P.O. No.: Batch 61

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

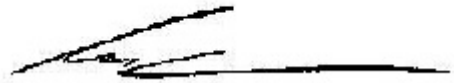
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123340

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047730		6.00			0.30	6.87	125.0	1570	1.68	0.15	2.27	21.7	41.3	6.3	8	21.3
S047731		4.26			1.69	7.08	35.1	1460	1.46	0.24	2.60	30.4	44.4	7.3	8	17.60
S047732		5.26			1.14	7.23	1090	990	1.78	0.39	1.87	19.75	43.3	6.6	9	22.3
S047733		4.46			1.17	7.18	60.1	1170	1.73	0.27	3.06	18.10	49.6	5.9	7	16.35
S047734		2.48			1.09	7.13	191.5	660	1.76	0.19	2.63	10.15	47.1	5.4	8	19.90
S047735		3.44			0.29	7.00	22.5	1930	1.75	0.53	3.01	0.83	39.1	8.8	9	16.15
S047736		0.36	121	1.600	>100	5.39	8370	120	1.14	63.3	1.95	235	29.5	9.5	17	11.20
S047737		2.16			3.80	6.85	113.5	700	1.31	1.30	1.79	45.9	42.3	4.7	9	12.45
S047738		2.06			0.37	7.31	44.5	1520	1.79	0.36	2.92	3.23	37.1	6.3	8	19.20
S047739		2.36			0.06	7.02	15.2	1950	1.54	0.15	2.37	0.18	33.4	4.5	8	21.1
S047740		2.36			1.71	7.26	199.5	1260	1.62	0.81	2.47	10.15	43.5	5.8	8	19.65
S047741		1.28			1.14	6.95	180.0	900	1.61	0.53	2.32	5.51	37.6	6.5	8	19.70
S047742		3.54			2.83	7.15	1095	420	1.42	0.86	1.09	26.7	54.5	5.9	8	9.49
S047743		3.12			0.87	7.42	89.0	1940	2.07	0.48	2.70	5.58	47.8	7.8	9	28.7
S047744		2.34			0.94	6.96	31.3	2110	1.70	0.89	2.48	2.25	38.2	7.1	9	18.55
S047745		6.22			0.02	0.07	2.0	30	0.07	0.02	21.7	0.11	1.23	0.7	1	0.16
S047746		3.30			0.51	7.37	28.2	2440	1.47	0.49	2.75	1.70	37.3	7.0	8	17.75
S047747		2.38			1.71	7.06	199.0	1140	1.60	0.92	2.56	8.17	43.5	7.5	7	25.0
S047748		2.84			9.69	5.56	1070	220	1.31	3.16	1.69	34.5	31.5	10.5	7	21.1
S047749		2.44			1.40	7.69	279	1040	1.73	0.38	1.31	5.09	47.2	5.5	8	22.9
S047750		2.56			0.48	7.07	42.1	1920	1.60	0.38	2.52	0.27	37.9	8.5	9	19.10
S047751		5.08			4.15	7.41	158.0	610	1.66	0.78	1.71	17.70	54.9	7.6	10	26.2
S047752		0.40			4.25	6.78	738	400	1.31	3.56	2.04	10.45	46.2	12.4	25	12.85
S047753		2.94			9.40	6.59	221	490	1.56	2.53	2.02	64.8	48.4	8.3	7	18.40
S047754		5.02			0.57	7.15	52.0	1140	1.83	0.30	2.07	2.65	39.4	5.5	8	22.2
S047755		2.28			44.5	6.01	819	1390	1.40	36.7	1.01	107.5	39.4	6.8	7	11.70
S047756		2.38			0.86	7.95	34.9	670	1.85	0.80	1.67	0.62	50.6	7.0	8	30.7
S047757		6.26			0.03	0.07	0.6	20	0.06	0.03	21.0	0.08	1.16	0.6	1	0.22
S047758		5.54			0.55	7.15	36.7	1630	1.48	0.65	2.04	0.76	39.6	8.2	9	17.15
S047759		2.54			0.39	6.91	76.1	4680	1.51	0.22	4.16	0.32	44.6	6.4	8	15.25
S047760		4.46			0.16	7.38	14.4	1940	1.70	0.21	2.63	0.22	45.1	8.3	10	16.40
S047761		3.68			0.44	7.16	74.7	710	1.90	0.31	2.57	1.18	41.0	8.9	8	25.4
S047762		<0.02			0.45	7.51	76.8	780	1.94	0.30	2.61	1.18	42.1	9.5	8	25.7
S047763		2.76			0.63	7.52	174.0	1520	1.78	0.44	2.22	1.35	43.0	8.2	8	19.30
S047764		2.12			1.37	7.29	220	1010	1.88	0.60	2.27	2.87	44.3	8.1	8	21.4
S047765		2.14			0.79	7.52	124.5	830	1.92	0.27	2.02	3.84	46.2	7.2	7	22.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123340

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047730		24.0	2.42	14.60	0.12	1.1	0.041	2.56	21.2	102.0	0.80	843	1.50	0.03	7.6	2.0
S047731		24.4	3.09	14.60	0.11	1.1	0.112	3.00	23.4	32.8	1.00	1190	1.73	0.04	7.4	2.3
S047732		15.9	3.30	15.85	0.10	1.2	0.137	2.85	21.8	36.0	0.81	1240	1.42	0.03	8.1	2.4
S047733		17.6	3.52	14.20	0.11	1.1	0.112	2.92	27.1	41.4	1.28	2550	1.96	0.03	7.3	2.0
S047734		6.9	2.96	15.55	0.11	1.1	0.049	3.17	25.5	10.3	0.93	2390	2.14	0.03	8.0	2.2
S047735		29.5	2.74	15.95	0.13	1.1	0.109	3.09	18.7	43.6	0.61	777	0.89	0.68	8.2	2.5
S047736		1320	8.11	12.30	0.11	1.0	4.47	2.32	14.4	31.1	0.62	3160	15.55	0.08	5.6	13.8
S047737		42.2	4.49	14.25	0.10	1.1	0.631	3.06	23.4	10.3	0.85	2490	1.07	0.03	6.9	2.1
S047738		7.7	2.70	16.15	0.11	1.1	0.057	3.04	18.3	84.3	0.64	911	0.84	0.28	9.3	2.1
S047739		6.8	2.81	15.75	0.11	1.2	0.054	3.21	16.1	171.5	0.46	669	0.56	0.24	8.2	1.9
S047740		56.2	3.05	14.80	0.12	1.1	0.091	3.16	23.1	19.1	0.78	1860	0.96	0.03	7.6	2.7
S047741		45.6	2.80	14.75	0.12	1.0	0.076	3.20	18.9	23.2	0.72	1660	1.06	0.04	7.6	2.4
S047742		50.7	3.55	14.60	0.11	0.9	0.216	3.33	30.9	11.3	0.50	1380	1.17	0.04	6.7	2.2
S047743		17.9	2.84	17.75	0.13	3.2	0.102	3.01	24.3	70.8	0.95	728	3.29	0.05	10.2	4.3
S047744		15.6	2.78	14.95	0.12	1.0	0.069	2.90	19.0	38.8	0.67	610	0.90	1.67	7.5	2.5
S047745		2.9	0.47	0.20	0.13	<0.1	0.005	0.03	0.6	1.2	13.35	212	0.43	0.01	0.2	1.5
S047746		12.8	2.85	15.40	0.12	1.1	0.055	2.96	18.8	46.2	0.73	541	1.15	1.30	7.9	2.1
S047747		23.5	3.45	15.10	0.12	1.1	0.113	3.04	22.5	36.8	0.78	1080	1.04	0.07	7.5	2.5
S047748		268	4.87	11.10	0.10	1.0	0.451	2.31	16.8	34.9	0.70	1240	7.17	0.04	4.8	2.7
S047749		10.6	3.31	15.45	0.12	1.1	0.046	3.26	25.4	28.6	0.59	1140	3.58	0.03	7.3	2.2
S047750		30.9	2.88	15.90	0.11	1.2	0.035	3.22	18.5	64.2	0.59	828	1.03	0.22	8.4	2.2
S047751		172.0	3.76	15.45	0.12	1.3	0.281	3.00	29.8	39.5	0.71	1480	3.19	0.03	7.9	2.3
S047752		316	4.96	14.45	0.11	1.1	0.286	2.93	26.1	25.6	0.76	1900	13.80	0.15	6.2	14.1
S047753		181.5	4.13	14.20	0.11	1.4	1.730	2.78	26.8	31.1	0.81	1710	1.70	0.03	7.3	2.7
S047754		9.2	2.52	15.15	0.10	1.3	0.054	3.38	19.3	52.2	0.65	1500	1.86	0.06	8.3	2.2
S047755		1340	7.11	12.20	0.10	1.1	1.685	2.55	21.0	30.9	0.47	1620	15.95	0.02	5.7	2.1
S047756		16.8	2.85	16.55	0.11	1.2	0.065	3.22	27.9	30.0	0.70	1040	2.55	0.04	7.4	2.0
S047757		2.6	0.46	0.21	0.11	<0.1	<0.005	0.03	0.6	1.1	12.95	204	0.11	<0.01	0.1	1.4
S047758		8.7	2.85	15.30	0.12	1.2	0.068	3.10	19.5	57.4	0.62	1330	1.95	0.04	7.7	2.5
S047759		4.7	2.64	16.35	0.14	1.1	0.065	3.16	22.4	33.3	0.66	1600	1.85	0.08	7.7	2.5
S047760		9.1	2.91	17.30	0.17	1.2	0.049	3.06	22.3	25.5	0.74	631	1.56	1.49	8.6	2.9
S047761		7.2	2.62	17.55	0.17	1.3	0.056	3.31	19.7	39.2	0.69	1540	1.77	0.08	8.6	2.6
S047762		7.4	2.72	17.60	0.14	1.2	0.051	3.45	20.8	39.6	0.72	1540	1.92	0.08	8.7	2.6
S047763		12.2	2.90	16.90	0.15	1.2	0.059	3.33	21.8	63.3	0.69	1770	2.66	0.07	8.5	2.9
S047764		58.7	2.99	16.80	0.14	1.2	0.224	3.47	22.4	28.0	0.71	1820	1.64	0.04	8.3	2.5
S047765		12.6	3.96	17.25	0.12	1.2	0.063	3.34	23.0	60.1	0.76	2130	1.98	0.05	8.7	2.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123340

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047730		560	58.6	93.8	<0.002	0.34	17.60	9.6	1	1.4	135.0	0.59	<0.05	11.20	0.238	2.49
S047731		630	823	122.0	<0.002	0.40	14.75	10.9	1	1.8	142.0	0.56	<0.05	11.15	0.266	2.87
S047732		590	334	104.0	<0.002	0.51	13.75	10.6	1	2.9	180.5	0.62	<0.05	11.40	0.252	2.77
S047733		550	508	136.5	<0.002	0.49	9.33	9.8	1	2.0	163.0	0.58	<0.05	12.35	0.231	2.83
S047734		580	202	134.0	<0.002	0.61	11.40	9.9	1	2.1	60.5	0.62	<0.05	11.60	0.244	4.00
S047735		630	21.2	109.0	<0.002	0.79	11.80	10.5	1	2.1	203	0.60	0.12	10.35	0.255	2.08
S047736		470	9940	123.0	<0.002	7.30	232	7.3	1	8.3	124.0	0.40	0.46	7.93	0.189	2.25
S047737		530	1365	178.0	<0.002	1.82	10.45	9.0	1	2.3	57.5	0.55	0.06	12.05	0.214	2.88
S047738		710	102.5	103.5	<0.002	0.63	7.35	10.8	1	2.2	181.5	0.70	0.06	11.35	0.286	2.23
S047739		610	17.7	110.0	<0.002	0.10	6.41	9.4	1	1.5	201	0.65	<0.05	10.65	0.255	1.94
S047740		570	438	148.5	<0.002	2.01	14.35	10.4	<1	2.2	86.1	0.58	0.05	12.60	0.237	3.17
S047741		570	254	132.5	<0.002	1.56	12.60	9.6	<1	1.9	106.0	0.57	0.06	10.80	0.238	3.10
S047742		520	753	171.5	<0.002	3.01	15.95	9.4	1	3.1	35.6	0.53	0.13	12.60	0.207	2.80
S047743		750	117.5	100.5	<0.002	0.81	14.10	8.5	1	1.7	282	0.74	<0.05	9.47	0.299	2.24
S047744		580	173.5	111.0	<0.002	0.76	5.63	9.3	1	1.9	291	0.56	0.18	10.05	0.239	1.70
S047745		190	3.4	1.3	<0.002	<0.01	0.15	0.2	<1	<0.2	48.5	<0.05	<0.05	0.13	<0.005	<0.02
S047746		610	86.7	104.5	<0.002	0.42	7.35	9.5	1	2.2	299	0.58	0.09	10.95	0.255	1.62
S047747		570	377	138.0	<0.002	2.22	10.60	9.6	1	2.4	146.0	0.58	0.10	11.10	0.238	2.57
S047748		390	1005	143.0	0.002	4.69	46.8	7.0	1	7.8	112.5	0.38	0.21	10.00	0.151	2.17
S047749		580	712	163.5	0.002	1.82	13.95	9.7	1	3.9	82.1	0.55	0.08	12.25	0.244	3.14
S047750		570	20.0	112.5	<0.002	0.76	9.85	9.5	1	1.5	165.5	0.70	0.13	11.50	0.238	2.09
S047751		570	1065	167.5	<0.002	1.67	57.6	10.5	1	2.9	96.3	0.65	0.13	13.75	0.228	2.87
S047752		530	489	152.0	<0.002	2.77	26.6	9.2	1	5.3	110.5	0.47	0.25	11.15	0.207	2.53
S047753		540	1705	175.0	<0.002	2.59	23.6	9.0	1	3.1	88.7	0.55	0.09	11.60	0.213	2.79
S047754		590	111.5	120.0	<0.002	0.55	10.20	9.6	1	1.7	116.0	0.68	0.11	11.10	0.252	2.69
S047755		440	3810	146.0	<0.002	7.26	230	7.8	<1	7.4	79.4	0.47	0.22	10.25	0.181	2.46
S047756		620	103.5	146.5	<0.002	1.58	6.89	10.8	1	2.1	111.5	0.56	0.23	13.95	0.238	2.52
S047757		200	3.0	1.4	<0.002	<0.01	0.21	0.2	<1	<0.2	45.9	<0.05	<0.05	0.09	<0.005	<0.02
S047758		610	60.2	129.0	<0.002	1.48	7.34	9.4	1	1.9	134.5	0.60	0.20	10.95	0.242	2.65
S047759		560	43.0	136.0	0.002	0.76	10.10	9.7	1	2.1	156.0	0.59	0.08	10.85	0.239	2.52
S047760		580	22.6	118.0	0.003	0.31	4.43	10.8	1	1.8	275	0.66	<0.05	11.45	0.260	1.70
S047761		580	49.3	135.5	<0.002	0.93	9.39	10.5	1	1.8	108.5	0.67	0.11	11.15	0.252	2.92
S047762		600	49.5	145.0	<0.002	0.98	10.20	10.8	1	1.8	110.5	0.67	0.12	11.80	0.264	3.09
S047763		610	75.5	137.0	0.002	0.85	14.50	10.9	1	1.7	108.5	0.66	0.15	12.00	0.255	2.70
S047764		580	80.4	153.5	0.002	1.67	22.5	10.5	<1	1.8	90.6	0.67	0.14	11.65	0.252	3.07
S047765		610	216	146.5	0.002	1.13	12.05	11.2	1	2.7	127.0	0.68	0.12	12.20	0.258	3.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123340

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047730		4.1	66	5.2	13.9	1540	31.7	0.011
S047731		4.7	80	4.9	15.0	1710	33.9	0.013
S047732		4.4	69	6.6	14.2	1120	35.8	0.307
S047733		5.0	63	5.4	14.4	1300	32.5	0.021
S047734		4.9	66	5.3	12.2	605	34.0	0.102
S047735		3.3	69	1.0	13.6	191	30.1	0.006
S047736		5.1	54	4.5	8.3	>10000	31.0	4.64
S047737		3.5	58	3.6	10.7	3100	28.6	0.197
S047738		4.9	79	1.9	13.7	497	32.9	0.016
S047739		3.2	70	1.4	11.9	213	34.9	<0.005
S047740		4.4	65	3.3	13.6	856	31.4	0.076
S047741		4.2	65	3.1	12.1	558	30.0	0.055
S047742		4.1	59	2.9	9.0	1960	23.9	0.539
S047743		8.2	73	3.4	14.0	584	122.5	0.036
S047744		3.4	64	2.5	12.7	172	31.1	0.014
S047745		0.8	2	0.1	0.8	20	<0.5	<0.005
S047746		3.6	70	1.7	14.0	153	33.3	0.013
S047747		4.3	66	3.3	14.3	623	34.8	0.076
S047748		6.7	46	3.4	9.5	2360	32.0	0.659
S047749		5.8	67	5.5	10.8	394	34.8	0.171
S047750		3.7	65	2.8	14.3	46	38.1	0.014
S047751		7.7	66	4.1	13.3	1380	38.2	0.056
S047752		5.1	67	5.4	11.7	866	30.4	0.370
S047753		6.7	61	3.2	13.5	6370	47.3	0.179
S047754		4.5	70	2.5	12.6	250	38.1	0.016
S047755		4.1	53	4.5	9.9	7040	31.0	0.712
S047756		4.8	70	2.6	13.8	85	34.6	0.021
S047757		0.7	2	0.1	0.8	17	<0.5	<0.005
S047758		3.9	68	2.5	11.9	102	34.3	0.015
S047759		5.4	64	3.4	15.1	58	33.7	0.027
S047760		3.7	69	1.9	15.5	53	37.3	<0.005
S047761		4.1	69	2.5	13.5	110	38.4	0.022
S047762		4.4	70	2.5	13.9	112	37.9	0.021
S047763		3.9	69	2.8	13.5	121	37.2	0.017
S047764		5.0	67	3.2	13.2	215	35.8	0.039
S047765		4.4	71	3.7	13.6	308	37.8	0.090

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 12-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123340

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2016
Account: ROCKHA

CERTIFICATE VA16123341

Project: Klaza

P.O. No.: Batch 64

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

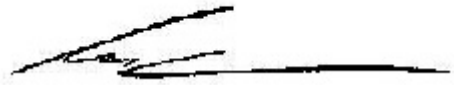
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123341

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
S047766		3.84				2.32	7.37	150.5	2050	1.33	1.69	2.40	5.69	51.0	5.6	10
S047767		2.66				2.46	8.13	119.0	1140	1.42	0.28	2.16	5.81	51.3	6.3	10
S047768		2.62				9.48	6.86	200	1530	1.28	0.65	2.03	28.8	45.5	5.4	8
S047769		3.04			1.830	15.95	6.21	510	750	1.70	5.70	2.44	169.0	35.9	7.2	7
S047770		7.36				0.47	7.33	57.3	1370	1.77	0.25	3.86	1.91	62.8	7.0	23
S047771		5.96				0.03	0.09	0.3	30	0.09	0.03	20.7	0.16	1.44	0.5	1
S047772		3.34		1.635	2.62	86.5	3.52	6500	3400	0.68	27.0	1.08	284	22.3	50.1	7
S047773		2.96				2.21	7.17	119.5	1230	1.36	0.86	2.02	8.22	43.5	7.8	10
S047774		4.02				0.69	7.26	25.8	2780	1.37	0.36	3.22	0.44	42.1	6.9	9
S047775		6.20				1.33	7.51	161.5	1530	1.49	0.47	2.16	3.38	48.5	9.9	11
S047776		2.62				1.56	7.61	201	1420	1.41	0.40	2.13	5.42	47.5	8.4	10
S047777		2.82				16.35	7.58	946	670	1.41	4.00	1.18	107.0	50.1	5.8	9
S047778		3.88				0.79	7.38	107.0	1920	1.34	0.24	2.50	0.81	39.4	6.2	10
S047779		0.42				11.90	6.61	1530	1150	1.33	12.25	1.90	31.8	45.6	16.4	19
S047780		2.82				0.20	6.88	12.5	2210	1.22	0.34	1.80	0.61	32.3	5.8	10
S047781		2.80				0.79	7.28	126.0	1850	1.28	0.40	1.70	3.54	39.4	5.4	11
S047782		2.22		1.310	4.81	45.5	5.22	6690	2350	1.31	18.65	0.75	434	31.2	5.2	8
S047783		2.56				0.33	8.12	22.8	980	1.29	0.49	1.14	0.92	53.3	6.2	10
S047784		10.98				0.70	7.28	14.7	2010	1.37	0.57	2.37	4.28	48.7	5.8	10
S047785		6.06				0.12	0.07	10.1	30	0.07	0.07	21.0	0.87	1.14	0.5	1
S047786		1.76				9.84	7.17	3910	860	1.15	5.85	2.38	84.4	50.9	7.0	9
S047787		11.96				0.63	7.42	17.8	1300	1.18	1.46	2.21	1.56	40.2	7.4	9
S047788		2.68				4.43	6.85	243	280	1.40	3.27	0.57	36.1	43.2	7.2	10
S047789		2.48			1.445	20.9	6.53	2390	860	1.35	10.60	0.31	211	43.2	5.2	8
S047790		4.64				0.27	7.66	28.7	2820	1.43	1.28	1.91	0.67	47.9	5.7	12
S047791		<0.02				0.26	7.54	27.8	2750	1.41	1.15	1.90	0.80	46.6	5.6	14
S047792		2.78				0.54	8.23	53.5	2010	1.49	0.17	0.66	31.6	57.6	7.1	8
S047793		0.40	119		1.605	>100	5.48	8240	1370	1.23	62.4	1.99	228	37.9	9.6	18
S047794		1.98				0.77	7.78	117.5	1230	1.80	0.19	1.36	24.0	44.2	9.1	9
S047795		2.14		1.610		45.3	5.02	4190	440	1.26	4.76	3.44	110.5	35.4	13.8	8
S047796		2.02				0.64	6.90	118.0	1130	1.47	0.18	2.59	13.10	40.9	8.2	11
S047797		5.46				0.65	7.05	141.0	1790	1.56	0.34	2.43	3.44	39.2	8.5	9
S047798		2.80				0.26	7.40	58.8	2230	1.44	0.21	2.02	5.87	46.4	7.8	9
S047799		3.22				2.69	7.18	344	2320	1.73	0.36	2.40	15.95	50.9	6.1	8
S047800		2.28			1.320	21.2	6.75	3430	1590	1.43	0.33	2.34	222	38.6	3.9	9
S047801		2.04				1.26	7.64	604	1100	2.14	0.20	2.26	7.79	48.2	6.3	10

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123341

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047766		18.60	40.9	2.62	16.95	0.16	1.2	0.163	3.32	25.2	14.3	0.74	2350	1.78	0.04	8.3
S047767		21.4	18.8	2.76	17.10	0.15	1.3	0.091	3.39	25.6	10.9	0.72	1940	2.83	0.02	8.7
S047768		16.70	95.9	4.99	14.80	0.18	1.1	0.592	2.96	23.0	12.9	0.70	4730	3.86	0.02	7.3
S047769		26.6	250	4.20	14.35	0.12	1.0	3.34	2.20	16.1	67.8	0.53	2290	2.23	0.03	6.4
S047770		24.3	14.9	2.93	18.85	0.16	4.2	0.067	2.13	31.4	185.0	1.00	1300	1.08	0.05	10.9
S047771		0.24	2.4	0.47	0.29	0.18	<0.1	0.006	0.04	0.7	1.4	12.85	212	0.07	0.01	0.2
S047772		7.03	1040	11.20	8.93	0.13	0.5	7.11	1.55	11.5	20.3	0.24	2190	2.85	0.03	3.3
S047773		21.3	51.6	4.43	16.30	0.14	1.0	0.259	3.19	21.2	42.0	0.72	3530	1.83	0.04	7.3
S047774		23.9	115.0	3.05	16.05	0.17	1.0	0.078	3.04	20.8	109.5	0.93	966	1.50	0.46	7.8
S047775		21.1	46.7	3.54	16.65	0.15	1.1	0.100	3.23	23.6	47.8	0.70	1330	1.70	0.54	7.9
S047776		21.8	31.7	3.56	17.05	0.15	1.0	0.096	3.17	23.3	57.3	0.70	1410	1.50	0.54	8.3
S047777		14.80	238	4.96	17.10	0.14	1.0	4.45	3.71	26.4	10.5	0.58	1500	1.45	0.04	7.6
S047778		17.00	54.4	2.87	16.55	0.12	1.1	0.060	3.02	18.8	28.8	0.72	836	4.95	0.94	8.0
S047779		13.25	280	6.49	15.05	0.15	1.1	0.756	2.89	23.8	19.4	0.77	1790	9.12	0.12	6.6
S047780		19.25	8.5	2.82	17.15	0.13	1.2	0.064	2.77	14.5	147.5	0.39	693	1.79	0.12	8.5
S047781		16.20	22.8	2.85	16.95	0.17	1.2	0.086	2.96	18.4	89.6	0.44	891	1.76	0.10	8.3
S047782		9.94	1245	6.29	11.85	0.12	0.8	11.05	1.96	14.7	192.0	0.38	938	13.05	0.03	5.4
S047783		24.5	17.1	2.96	17.15	0.14	1.1	0.092	2.62	27.5	570	0.46	795	1.20	0.06	8.2
S047784		10.05	18.0	3.11	16.40	0.13	1.1	0.101	3.19	26.2	29.4	0.62	1160	1.11	0.51	8.0
S047785		0.17	4.0	0.47	0.24	0.17	<0.1	0.022	0.03	0.5	1.9	13.10	213	0.09	<0.01	0.2
S047786		12.95	180.0	5.20	15.45	0.16	1.1	1.330	3.32	26.6	11.8	0.86	1950	1.79	0.04	6.8
S047787		10.85	9.9	3.01	17.25	0.15	1.2	0.082	3.11	19.0	31.2	0.66	723	1.18	0.57	6.9
S047788		5.99	64.7	5.77	15.65	0.12	1.0	0.715	3.36	20.9	6.2	0.42	1560	2.31	0.03	5.2
S047789		8.55	194.0	6.01	15.45	0.13	0.9	2.09	3.14	21.3	7.9	0.35	1930	1.67	0.03	5.4
S047790		12.85	38.9	2.64	16.75	0.15	1.3	0.094	3.26	23.1	46.9	0.58	910	1.33	0.31	7.3
S047791		12.90	38.8	2.61	16.55	0.12	1.3	0.094	3.27	22.2	49.9	0.56	922	1.61	0.30	7.0
S047792		27.0	13.7	3.67	17.10	0.14	1.3	0.052	1.81	31.2	133.5	0.23	1470	0.87	0.02	8.0
S047793		12.05	1275	8.11	13.40	0.13	1.3	4.62	2.35	19.1	30.9	0.64	3110	15.40	0.08	5.5
S047794		26.0	16.9	3.07	17.75	0.12	1.5	0.061	2.37	20.9	124.5	0.28	1520	1.30	0.02	8.3
S047795		11.10	56.7	4.50	10.60	0.12	0.9	0.330	2.10	17.0	26.2	1.34	2130	2.49	0.02	4.8
S047796		19.40	11.9	3.03	15.90	0.10	1.3	0.072	2.60	19.2	45.7	0.59	1200	2.46	0.03	8.0
S047797		22.6	10.9	2.89	16.90	0.12	1.4	0.073	3.10	17.6	60.1	0.44	756	1.68	0.36	8.0
S047798		23.9	22.5	3.18	15.95	0.14	1.5	0.060	3.05	21.7	23.0	0.43	622	1.09	1.58	8.0
S047799		23.5	23.5	3.08	16.05	0.14	1.2	0.123	3.52	25.0	31.6	0.75	1780	3.30	0.06	7.3
S047800		18.75	334	3.43	14.85	0.13	1.3	7.71	3.27	17.6	39.0	0.48	780	1.29	0.09	7.3
S047801		24.3	14.5	3.15	16.80	0.16	1.4	0.088	3.30	23.0	80.6	0.66	1390	1.50	0.06	7.9

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123341

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047766		2.2	610	199.0	158.5	<0.002	1.10	16.95	9.4	<1	2.2	86.3	0.63	<0.05	12.95	0.251
S047767		2.0	620	903	167.5	<0.002	2.02	12.45	10.2	<1	2.0	67.6	0.70	0.05	14.65	0.269
S047768		1.9	510	3750	153.0	0.002	4.16	32.2	8.7	<1	3.7	61.8	0.59	0.09	12.60	0.222
S047769		2.2	460	3920	104.0	<0.002	4.00	33.2	7.9	<1	3.1	129.0	0.52	0.25	9.66	0.204
S047770		7.0	1310	135.0	73.6	0.002	0.19	10.40	6.0	<1	1.5	550	0.66	<0.05	8.42	0.350
S047771		1.2	250	11.8	1.7	<0.002	0.01	0.19	0.2	<1	<0.2	46.4	<0.05	<0.05	0.14	<0.005
S047772		2.0	250	>10000	98.6	0.004	>10.0	148.0	5.0	<1	10.0	77.3	0.25	0.87	5.41	0.108
S047773		2.3	550	544	160.0	<0.002	1.69	11.40	9.3	<1	2.9	116.0	0.56	<0.05	11.00	0.235
S047774		1.9	580	31.9	122.5	0.004	0.27	7.24	9.3	<1	1.9	230	0.61	<0.05	11.95	0.248
S047775		2.3	580	250	144.0	0.002	1.15	6.73	9.8	<1	3.0	194.0	0.58	0.10	12.45	0.251
S047776		2.1	610	331	145.0	<0.002	1.21	6.61	10.2	<1	3.4	193.0	0.64	0.06	12.75	0.262
S047777		2.3	570	3270	208	0.003	4.01	19.90	9.9	<1	6.8	44.7	0.55	0.20	12.90	0.246
S047778		1.9	590	64.3	107.5	<0.002	0.24	6.54	9.4	<1	2.3	210	0.60	<0.05	10.70	0.259
S047779		11.3	540	1290	165.5	<0.002	4.66	65.5	8.8	<1	7.9	95.7	0.50	1.23	11.80	0.210
S047780		1.6	570	34.2	91.4	0.003	0.20	22.0	8.8	<1	2.0	117.0	0.65	0.05	10.00	0.251
S047781		1.8	590	268	108.0	<0.002	0.23	19.35	9.2	<1	2.2	93.5	0.69	0.06	11.40	0.258
S047782		1.7	450	>10000	105.5	0.004	6.92	179.5	6.2	<1	6.8	113.0	0.45	0.23	8.37	0.176
S047783		1.7	640	46.3	118.5	0.002	0.35	35.5	10.5	<1	2.3	192.0	0.64	0.13	13.80	0.266
S047784		1.9	600	303	118.0	0.002	0.48	8.76	9.3	<1	2.6	153.0	0.63	0.12	10.75	0.257
S047785		1.2	180	29.7	1.3	<0.002	0.01	0.64	0.2	<1	<0.2	45.2	<0.05	<0.05	0.13	<0.005
S047786		1.8	520	1570	181.5	<0.002	4.30	17.35	9.2	1	3.6	63.5	0.54	0.42	12.65	0.217
S047787		1.9	620	147.0	132.5	0.003	1.82	7.06	9.4	<1	2.2	136.5	0.56	0.60	11.30	0.224
S047788		2.1	510	1095	198.5	0.002	5.32	15.20	8.6	<1	5.3	16.0	0.44	0.55	11.45	0.170
S047789		1.7	490	6320	186.0	0.005	5.93	30.3	8.1	<1	9.0	15.0	0.44	0.47	11.45	0.181
S047790		2.3	610	43.3	139.5	<0.002	1.11	13.80	10.2	<1	2.1	140.5	0.65	0.59	13.95	0.243
S047791		2.0	600	45.8	135.5	0.005	1.10	13.70	9.9	<1	2.0	139.0	0.61	0.71	12.75	0.239
S047792		2.5	640	140.0	101.5	<0.002	0.12	34.4	10.8	<1	1.8	165.0	0.60	<0.05	14.45	0.265
S047793		14.5	460	9880	137.0	<0.002	7.16	222	7.5	<1	8.8	130.0	0.42	0.51	8.88	0.184
S047794		4.0	610	219	119.0	<0.002	0.15	24.4	10.5	<1	1.8	135.0	0.69	<0.05	12.05	0.265
S047795		1.7	390	>10000	118.0	0.004	2.92	57.6	6.9	<1	3.0	132.0	0.39	2.80	9.14	0.160
S047796		4.0	590	62.9	93.8	<0.002	0.25	15.40	10.0	<1	1.7	137.5	0.66	<0.05	9.99	0.264
S047797		2.1	560	72.8	112.5	0.004	0.27	12.80	9.1	<1	1.7	147.0	0.73	0.14	10.40	0.251
S047798		2.4	570	69.9	116.5	<0.002	0.05	9.54	9.4	<1	1.7	251	0.75	0.07	11.90	0.252
S047799		2.1	550	700	157.5	0.002	0.76	14.50	9.8	<1	2.6	100.5	0.63	0.10	12.60	0.240
S047800		1.6	570	4110	118.0	0.002	1.74	54.0	9.1	<1	3.7	103.0	0.66	0.07	10.30	0.236
S047801		2.2	610	221	138.0	<0.002	0.90	11.90	9.7	<1	2.6	137.5	0.64	0.08	12.80	0.256

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CERTIFICATE OF ANALYSIS VA16123341

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047766		3.98	5.0	68	6.3	12.9	511	34.1	0.130
S047767		4.72	6.9	71	11.1	12.8	579	34.3	0.090
S047768		3.87	5.5	59	7.2	10.6	2690	31.5	0.238
S047769		2.45	7.3	56	5.9	10.1	>10000	27.5	0.478
S047770		1.29	4.0	65	1.7	11.2	222	172.5	0.007
S047771		0.04	0.7	2	0.1	0.8	25	0.5	<0.005
S047772		1.67	2.5	34	4.0	6.8	>10000	13.8	5.15
S047773		2.99	3.9	65	3.9	12.8	729	24.3	0.034
S047774		2.05	2.7	67	2.3	14.7	80	26.0	<0.005
S047775		2.50	3.3	68	2.9	13.8	326	28.6	0.037
S047776		2.52	3.8	72	3.0	14.5	490	26.6	0.048
S047777		3.40	3.9	67	4.3	12.2	9470	27.3	0.265
S047778		1.71	3.6	70	3.8	13.7	98	27.1	0.008
S047779		2.61	5.3	62	6.0	11.4	2430	28.7	0.846
S047780		1.47	3.0	68	3.9	12.1	91	31.2	<0.005
S047781		1.76	3.3	68	2.8	12.4	427	31.1	<0.005
S047782		1.50	8.3	50	4.8	10.1	>10000	21.8	3.01
S047783		1.57	4.2	71	6.7	15.6	135	29.0	0.007
S047784		2.09	3.7	71	2.2	13.9	510	28.1	0.019
S047785		0.02	0.8	2	0.1	0.8	112	<0.5	<0.005
S047786		2.98	5.0	62	3.2	12.9	8580	27.0	1.175
S047787		2.17	4.2	69	2.5	12.7	180	31.8	0.015
S047788		2.97	3.1	57	5.5	9.2	2570	26.3	0.353
S047789		2.86	4.8	57	6.8	8.9	>10000	24.2	1.665
S047790		2.29	4.3	69	2.8	15.2	91	32.0	0.037
S047791		2.08	3.9	68	2.8	14.3	94	29.6	0.040
S047792		2.04	3.2	70	5.2	15.3	2640	34.9	<0.005
S047793		2.28	5.5	53	4.6	9.5	>10000	33.2	4.47
S047794		2.49	4.3	71	3.6	14.2	1760	37.8	<0.005
S047795		1.97	4.5	47	4.8	10.6	6770	22.4	0.671
S047796		2.34	4.7	74	4.9	15.5	1200	34.1	0.019
S047797		1.85	3.3	68	2.4	14.2	467	35.9	0.034
S047798		1.55	3.5	66	2.5	15.0	902	38.8	<0.005
S047799		3.06	4.4	66	5.0	15.4	1260	31.5	0.101
S047800		2.08	3.7	66	3.8	13.9	>10000	32.5	1.335
S047801		2.64	4.7	69	4.5	15.2	1260	34.3	0.110

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 17-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123341

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 16-AUG-2016
Account: ROCKHA

CERTIFICATE VA16123342

Project: Klaza

P.O. No.: Batch 66

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

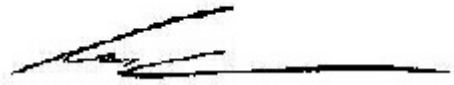
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123342

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614331		12.96	1.03	7.95	13.2	780	1.60	4.86	3.53	0.11	46.1	15.3	16	10.60	299	5.75
R614332		8.92	1.23	7.97	10.3	970	1.65	3.13	3.53	0.13	48.1	16.1	17	10.95	364	5.53
R614333		4.32	3.58	7.14	75.4	600	1.53	14.65	3.18	1.33	35.9	12.0	86	16.10	1130	4.37
R614334		6.14	0.02	0.06	0.4	50	0.06	0.07	20.7	0.06	1.20	0.8	1	0.24	6.1	0.47
R614335		12.06	1.38	7.51	13.6	520	1.57	4.92	2.44	0.19	40.6	12.7	82	15.60	452	4.39
R614336		12.46	0.73	7.52	11.9	640	1.50	2.41	2.06	0.15	42.6	11.1	73	8.48	334	4.00
R614337		12.76	5.47	7.66	105.5	890	1.61	5.07	3.56	1.75	41.7	16.4	24	12.60	1330	5.87
R614338		12.64	2.01	7.81	24.1	1270	1.52	3.54	3.64	0.19	48.5	15.7	16	11.50	568	5.56
R614339		0.34	39.4	5.69	2460	310	1.23	36.0	1.65	44.8	35.0	16.8	23	10.10	1200	8.89
R614340		13.20	1.09	8.07	16.6	1160	1.56	1.78	4.10	0.14	52.6	15.5	18	10.55	258	5.18
R614341		5.58	4.28	7.22	9.6	180	1.33	3.80	2.48	0.31	36.1	21.7	13	15.40	1090	6.62
R614342		7.48	1.17	7.44	8.0	1430	1.38	2.11	3.26	0.16	41.4	13.1	13	10.20	370	4.22
R614343		12.74	4.18	7.61	9.8	1200	1.27	2.11	2.78	0.28	42.6	10.6	14	10.85	1460	3.96
R614344		12.90	3.42	7.45	13.2	1030	1.35	2.54	2.34	0.32	40.9	8.5	18	12.20	1470	3.07
R614345		<0.02	3.46	7.47	13.1	1170	1.45	2.21	2.40	0.28	39.9	8.5	16	11.65	1375	3.14
R614346		12.68	0.60	7.38	15.7	1220	1.53	2.11	2.75	0.12	34.2	8.2	16	8.78	149.0	3.01
R614347		12.90	3.27	7.69	14.7	1210	1.61	1.74	2.44	0.28	42.8	7.8	16	13.15	794	3.13
R614348		4.02	1.51	7.26	15.8	1020	1.35	3.10	2.73	0.21	36.6	7.2	15	19.20	203	3.56
R614349		6.14	0.01	0.05	<0.2	20	0.07	0.03	22.0	0.05	1.07	0.6	4	0.11	1.9	0.47
R614350		9.62	0.99	7.54	7.3	880	1.52	1.06	3.27	0.28	32.1	9.7	30	9.57	285	3.73
R614351		13.60	0.77	7.21	8.8	1120	1.39	1.75	3.04	0.12	38.5	9.2	23	9.70	270	3.43
R614352		3.82	1.06	7.03	9.2	160	1.32	2.35	2.40	0.12	34.9	26.2	23	6.64	444	6.04
R614353		8.60	0.85	7.50	5.1	960	1.40	3.03	2.93	0.11	45.0	8.6	28	6.80	334	3.24
R614354		3.98	0.78	7.46	5.1	920	1.40	2.20	2.82	0.09	41.4	9.0	29	6.55	281	3.20
R614355		12.00	0.79	7.55	24.4	1020	1.53	2.57	2.71	0.95	44.2	8.3	18	9.74	354	3.28
R614356		13.84	0.64	7.11	9.4	980	1.45	3.26	2.80	0.13	39.4	8.2	19	13.50	250	3.42
R614357		5.32	3.61	6.99	24.0	200	1.63	13.30	2.07	0.34	38.3	7.5	18	17.50	1290	4.04
R614358		8.28	1.50	7.44	13.5	1040	1.47	2.44	2.55	0.15	38.1	10.5	21	8.21	635	3.55
R614359		12.16	1.03	7.37	9.2	1090	1.42	2.77	2.34	0.10	38.7	9.3	33	7.35	458	3.64
R614360		0.34	4.09	6.56	685	730	1.38	2.95	1.99	9.75	47.0	11.6	26	13.25	297	4.80
R614361		6.66	0.52	7.50	29.2	380	1.49	1.74	2.02	0.13	39.7	12.2	20	9.76	370	3.84
R614362		6.68	0.48	7.31	9.3	570	1.43	2.18	2.74	0.14	34.6	12.2	24	12.40	271	3.95
R614363		9.66	0.55	7.15	22.8	790	2.13	2.38	3.72	0.17	35.7	8.4	30	8.64	252	3.20
R614364		12.70	0.10	6.50	7.3	320	2.83	0.43	1.15	0.06	15.90	0.4	6	4.59	5.8	0.85
R614365		14.28	0.30	6.63	7.1	350	2.79	1.16	1.01	0.17	17.75	0.2	4	3.82	15.9	0.74
R614366		4.44	0.66	7.71	40.9	990	2.44	1.81	3.05	0.11	40.9	7.7	23	11.00	283	2.71

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614331		21.3	0.11	0.6	0.084	2.14	21.7	18.1	1.87	349	7.50	1.97	7.1	5.2	1130	10.1
R614332		22.6	0.13	0.7	0.088	2.19	23.2	19.9	1.89	340	3.80	2.03	7.4	5.1	1220	10.0
R614333		18.45	0.12	2.2	0.226	2.56	17.0	28.9	1.42	603	2.38	1.72	8.9	32.3	940	109.0
R614334		0.23	0.16	<0.1	0.008	0.03	0.6	1.2	12.70	204	0.12	0.01	0.2	1.7	190	1.4
R614335		19.30	0.12	2.0	0.070	2.65	21.0	19.8	1.69	342	4.78	1.82	7.8	31.4	820	12.0
R614336		18.95	0.11	1.9	0.050	2.87	22.4	16.0	1.37	196	4.11	1.84	7.0	27.0	740	8.9
R614337		22.1	0.14	0.8	0.228	2.30	19.0	21.1	1.84	602	3.60	1.72	7.4	7.6	1290	50.6
R614338		21.4	0.12	0.6	0.137	2.42	23.0	18.5	1.74	531	4.54	1.83	7.9	4.1	1220	10.1
R614339		14.15	0.11	0.9	1.520	2.57	18.2	16.2	0.66	2290	17.65	0.06	5.0	14.9	440	1650
R614340		20.9	0.14	0.6	0.126	2.04	25.0	14.8	1.79	604	4.36	2.06	8.3	4.4	1180	10.6
R614341		18.70	0.12	0.5	0.129	2.38	17.0	15.4	1.23	248	37.5	1.54	5.1	4.7	750	9.1
R614342		19.30	0.14	0.5	0.104	2.48	20.1	14.3	1.27	407	4.15	1.82	7.5	3.8	820	11.5
R614343		17.65	0.12	0.6	0.097	2.51	22.1	14.4	1.14	378	6.27	1.70	5.9	3.6	660	13.4
R614344		16.55	0.13	0.8	0.069	2.75	21.7	15.3	0.85	140	3.56	1.63	5.1	4.1	430	12.1
R614345		16.40	0.11	0.8	0.064	2.76	20.8	14.8	0.88	143	4.43	1.69	5.2	4.8	460	11.8
R614346		16.00	0.10	0.8	0.042	2.59	17.5	14.0	0.88	200	3.43	1.95	7.3	4.4	430	14.0
R614347		17.25	0.13	0.8	0.061	2.94	22.4	15.3	0.89	208	2.97	1.82	6.8	4.3	440	15.6
R614348		15.25	0.09	0.7	0.067	2.64	18.7	15.8	1.09	384	3.06	1.42	6.8	4.0	430	17.0
R614349		0.17	0.13	<0.1	0.006	0.02	0.5	1.0	13.50	205	0.06	0.01	0.2	1.9	200	1.2
R614350		17.95	0.10	0.6	0.078	1.91	15.8	15.1	1.20	358	3.41	2.24	6.6	5.9	640	16.0
R614351		16.35	0.10	0.6	0.052	2.24	19.7	13.5	1.02	280	2.27	1.95	7.1	5.3	550	13.0
R614352		15.15	0.09	0.6	0.067	2.21	17.1	12.7	0.96	226	12.65	1.72	6.1	6.0	500	11.7
R614353		16.20	0.09	0.7	0.051	2.15	23.2	14.7	1.02	308	4.02	2.04	7.9	5.4	550	15.5
R614354		15.50	0.09	0.7	0.054	2.18	21.6	14.0	1.01	311	4.82	2.00	7.6	4.8	530	16.1
R614355		16.10	0.10	0.8	0.074	2.29	22.4	18.4	1.06	509	2.73	2.01	8.0	4.6	540	25.9
R614356		15.70	0.09	0.7	0.036	2.26	20.6	22.5	1.05	197	3.46	1.59	6.2	4.7	510	10.6
R614357		16.00	0.10	0.6	0.054	3.63	18.1	29.6	1.09	149	2.39	0.92	4.6	4.2	510	32.4
R614358		16.75	0.10	0.6	0.049	2.32	19.0	21.4	1.12	186	2.77	2.03	6.6	5.4	590	11.8
R614359		15.95	0.09	0.6	0.071	2.45	19.5	19.2	1.12	217	5.76	2.09	6.9	5.2	570	10.5
R614360		14.30	0.10	1.1	0.287	2.81	26.5	22.8	0.75	1800	12.65	0.14	5.9	13.5	510	460
R614361		16.00	0.10	0.6	0.036	2.61	19.9	31.7	0.90	122	4.53	1.19	4.9	4.9	540	11.0
R614362		17.25	0.09	0.6	0.039	2.17	17.4	26.8	1.12	165	1.74	2.03	6.3	5.7	550	21.5
R614363		16.30	0.10	0.6	0.035	2.37	17.7	22.8	0.87	250	4.41	1.46	5.9	5.1	530	16.4
R614364		20.4	0.09	3.1	0.030	3.48	6.4	10.2	0.17	116	0.92	0.07	25.4	0.5	20	6.1
R614365		19.65	0.11	3.2	0.033	3.64	7.3	7.4	0.16	181	0.53	0.07	26.6	0.6	20	17.1
R614366		16.55	0.12	1.2	0.036	3.33	21.0	21.7	0.58	236	2.08	0.81	8.4	4.3	470	23.1

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614331		108.5	<0.002	3.73	2.29	17.5	2	4.9	601	0.48	0.65	7.28	0.442	2.49	2.9	157
R614332		105.0	0.002	3.45	1.55	18.0	3	5.5	629	0.48	0.51	7.09	0.456	2.42	3.2	165
R614333		111.5	<0.002	3.28	1.54	10.0	2	4.0	451	0.59	0.58	7.32	0.287	2.19	3.4	87
R614334		1.5	0.002	0.01	<0.05	0.2	1	<0.2	49.7	<0.05	<0.05	0.11	<0.005	0.04	0.6	2
R614335		123.5	<0.002	3.21	1.94	10.0	2	4.3	499	0.55	0.59	8.49	0.254	2.44	4.3	82
R614336		127.5	<0.002	2.97	1.05	9.3	1	4.3	479	0.50	0.44	9.15	0.227	2.39	4.2	76
R614337		94.9	<0.002	3.33	66.2	18.5	2	5.9	582	0.45	0.74	5.34	0.460	2.36	2.4	171
R614338		96.9	<0.002	2.61	3.04	18.4	3	5.4	620	0.50	0.61	7.59	0.471	2.22	3.0	165
R614339		140.5	0.003	7.76	104.5	8.5	2	10.4	62.4	0.41	0.90	9.08	0.163	2.16	5.5	56
R614340		88.3	<0.002	2.05	3.74	18.6	2	4.5	712	0.60	0.21	9.02	0.462	1.85	3.3	163
R614341		115.5	0.007	5.59	1.64	12.3	4	5.7	381	0.36	0.58	6.89	0.270	2.47	4.3	107
R614342		96.2	<0.002	2.10	1.61	12.4	1	4.3	481	0.51	0.36	7.82	0.336	2.13	3.0	109
R614343		123.0	0.003	2.24	2.20	11.3	2	3.6	432	0.46	0.32	11.90	0.277	2.40	4.6	95
R614344		134.5	0.003	2.31	2.25	9.6	2	3.8	346	0.57	0.63	15.30	0.181	2.41	6.3	71
R614345		142.0	<0.002	2.32	2.20	9.8	2	3.6	355	0.56	0.48	15.40	0.189	2.25	5.8	74
R614346		112.5	<0.002	1.65	1.90	9.4	1	2.7	396	0.76	0.34	15.65	0.221	2.15	5.3	75
R614347		148.0	<0.002	1.87	2.61	10.3	2	3.7	370	0.72	0.36	18.45	0.213	2.67	6.4	77
R614348		122.5	<0.002	1.84	3.83	9.1	1	2.6	350	0.69	0.15	15.40	0.214	2.19	4.8	76
R614349		0.9	<0.002	<0.01	<0.05	0.2	<1	<0.2	48.4	<0.05	<0.05	0.08	<0.005	0.02	0.6	2
R614350		75.6	<0.002	1.75	1.65	11.2	1	3.1	424	0.59	0.13	10.55	0.271	1.75	2.9	103
R614351		88.4	<0.002	1.51	1.73	10.9	1	3.1	370	0.60	0.26	11.20	0.262	1.78	2.9	92
R614352		103.0	0.002	5.01	1.21	10.9	4	4.2	348	0.56	0.41	10.70	0.224	1.75	3.8	88
R614353		91.9	<0.002	0.70	0.97	11.1	1	2.9	397	0.69	0.83	13.65	0.273	1.70	3.7	90
R614354		98.0	<0.002	0.72	0.97	11.1	1	2.8	386	0.69	0.33	14.15	0.267	1.73	3.9	88
R614355		113.0	<0.002	1.34	1.67	11.5	1	3.3	372	0.73	0.22	14.35	0.267	1.72	4.2	88
R614356		119.5	<0.002	2.22	1.51	10.9	2	3.7	309	0.57	0.36	14.05	0.236	2.11	4.4	85
R614357		185.5	<0.002	3.81	4.32	10.8	3	4.2	243	0.41	2.45	11.50	0.197	3.11	5.7	82
R614358		105.0	<0.002	2.45	2.26	11.7	2	3.8	425	0.58	0.39	11.60	0.261	2.03	3.2	97
R614359		113.5	<0.002	2.32	1.61	11.3	2	4.2	382	0.61	0.33	11.30	0.261	2.01	3.4	88
R614360		165.0	0.004	2.60	25.5	9.1	1	5.0	104.0	0.48	0.28	11.70	0.199	2.16	4.8	64
R614361		132.0	<0.002	3.45	6.36	11.5	2	4.3	257	0.42	0.17	11.90	0.201	2.12	4.0	92
R614362		100.5	<0.002	3.17	1.33	11.2	2	3.9	418	0.53	0.39	8.77	0.241	1.96	3.0	95
R614363		127.5	0.002	2.95	3.29	10.6	1	3.5	282	0.48	0.40	9.64	0.197	1.97	5.6	85
R614364		182.5	<0.002	0.62	1.60	3.1	1	8.6	52.7	2.51	<0.05	20.8	0.036	1.67	6.2	2
R614365		188.5	<0.002	0.46	5.29	3.0	1	7.1	45.5	2.52	0.05	23.4	0.035	1.73	7.8	1
R614366		193.5	<0.002	2.37	24.1	10.1	2	2.9	232	0.69	0.15	16.15	0.169	2.64	15.4	74

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123342

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614331		9.0	21.4	40	11.1	0.022
R614332		9.1	21.7	39	14.1	0.029
R614333		8.8	10.8	117	78.1	0.104
R614334		0.1	0.8	18	<0.5	<0.005
R614335		10.5	11.4	41	69.2	0.026
R614336		9.1	10.9	33	64.1	0.019
R614337		10.4	19.6	154	17.2	0.130
R614338		8.5	21.8	49	12.0	0.035
R614339		7.6	9.3	3380	23.3	1.795
R614340		5.9	23.2	51	10.9	0.013
R614341		15.7	14.3	41	8.9	0.049
R614342		10.0	16.8	51	10.6	0.021
R614343		7.2	14.9	49	13.6	0.072
R614344		8.1	14.0	26	18.7	0.084
R614345		8.2	14.5	26	22.3	0.074
R614346		4.4	14.0	26	21.1	0.009
R614347		8.0	15.6	34	21.3	0.068
R614348		3.5	13.3	46	19.7	0.018
R614349		0.2	0.7	17	<0.5	<0.005
R614350		4.7	12.5	50	14.0	0.014
R614351		8.0	13.0	30	15.5	0.015
R614352		14.7	14.2	25	16.9	0.030
R614353		11.7	14.9	30	19.2	0.018
R614354		12.7	14.9	29	16.8	0.019
R614355		17.8	15.5	94	22.3	0.029
R614356		9.4	14.0	26	19.4	0.018
R614357		20.0	12.8	32	16.1	0.080
R614358		17.5	15.1	26	16.4	0.047
R614359		9.0	15.0	25	14.6	0.033
R614360		5.1	11.6	844	30.6	0.344
R614361		14.0	13.3	22	14.7	0.076
R614362		6.5	13.5	26	15.2	0.012
R614363		10.2	11.4	30	15.9	0.014
R614364		6.3	8.4	9	59.4	<0.005
R614365		5.1	10.1	19	62.6	<0.005
R614366		6.8	13.4	24	28.3	0.068

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 16-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123342

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-21d
LOG-22	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2016
Account: ROCKHA

CERTIFICATE VA16123343

Project: Klaza

P.O. No.: Batch 67

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

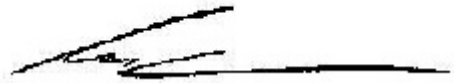
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 14-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123343

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047802		5.66			0.25	7.10	99.8	640	1.67	0.18	1.44	2.15	60.2	5.2	15	23.2
S047803		3.02			0.31	6.37	36.6	770	1.69	0.39	0.89	0.64	66.2	5.9	15	23.1
S047804		3.02			2.81	5.12	98.3	3560	1.51	0.38	0.62	13.40	55.5	5.8	13	23.1
S047805		2.80			3.44	7.92	806	1230	1.84	0.34	1.36	23.9	54.9	7.1	9	26.6
S047806		4.48			0.12	7.58	28.7	2320	1.63	0.14	2.57	2.27	45.7	6.7	13	26.1
S047807		2.20			0.10	7.13	11.2	2550	1.74	0.12	2.52	0.42	43.0	8.5	14	34.0
S047808		1.02			0.10	7.01	12.1	2410	1.82	0.12	2.46	0.31	41.2	8.0	10	33.0
S047809		9.14			0.15	6.81	21.4	2170	1.67	0.14	2.25	3.95	41.3	7.3	11	26.0
S047810		6.18			1.66	6.57	343	1060	1.63	0.32	2.15	11.10	42.7	7.0	8	28.9
S047811		6.04			0.01	0.05	<0.2	50	<0.05	0.02	20.4	0.07	1.22	0.7	1	0.19
S047812		4.34			3.83	7.09	103.5	1310	1.61	0.18	2.16	6.92	42.5	7.2	10	22.5
S047813		1.82			39.6	6.06	8480	890	1.40	2.53	1.99	101.5	42.0	5.0	10	16.85
S047814		11.86			0.52	6.82	49.0	1810	1.50	0.19	2.45	1.45	39.8	7.7	11	20.7
S047815		2.92			0.10	7.54	8.6	2260	1.64	0.16	2.50	0.61	48.8	7.4	15	19.95
S047816		0.42			36.2	5.64	2410	510	1.13	34.1	1.65	43.4	35.6	16.1	23	9.68
S047817		2.24			2.67	7.19	260	1230	1.38	0.30	1.60	18.60	49.9	6.6	10	18.10
S047818		2.30			0.59	6.90	232	1180	1.41	0.12	2.06	2.11	38.2	6.4	8	21.1
S047819		1.76			0.16	8.07	113.0	2280	1.88	0.16	1.22	3.57	51.5	8.1	9	18.50
S047820		2.96			0.12	7.43	30.8	2250	1.58	0.19	1.97	0.92	44.8	8.1	7	30.9
S047821		7.76			0.21	7.11	19.4	1860	1.59	0.29	2.51	0.41	43.6	7.2	10	27.2
S047822		2.34			12.65	6.66	49.4	1670	1.62	0.10	1.99	2.68	44.4	6.5	9	29.5
S047823		6.32			0.02	0.08	0.6	30	0.05	0.02	20.3	0.07	1.35	0.6	<1	0.31
S047824		3.10			0.13	7.20	15.1	2090	1.01	0.15	1.67	0.24	36.7	5.4	8	20.1
S047825		2.62			4.28	6.03	632	410	1.30	0.79	3.26	23.1	41.5	10.2	9	16.45
S047826		0.38	116	1.575	>100	5.45	8670	220	1.02	64.8	1.98	227	32.7	9.3	18	11.30
S047827		2.32			0.72	7.06	79.8	1660	1.60	0.27	1.28	1.23	46.7	7.6	9	22.8
S047828		4.40			0.12	7.44	10.9	2050	1.53	0.18	2.37	0.20	46.1	7.1	10	19.95
S047829		9.46			0.14	7.34	12.0	2410	1.49	0.28	2.59	0.20	46.2	9.2	11	19.95
S047830		6.92			1.21	7.20	32.2	1910	1.31	0.16	1.61	6.49	37.5	6.2	10	17.05
S047831		3.20			4.35	7.10	1290	1390	1.47	0.48	2.10	4.93	43.9	8.0	9	15.30
S047832		2.24			11.75	6.78	2200	540	1.34	0.84	2.06	21.6	44.6	5.9	8	15.30
S047833		2.78			1.12	7.31	25.4	1890	1.51	0.12	1.99	1.18	40.5	8.0	10	17.90
S047834		<0.02			2.35	7.43	21.6	2030	1.54	0.12	1.99	1.01	41.1	8.0	9	18.40
S047835		2.34			10.25	7.17	1270	1930	1.66	0.15	2.07	11.30	46.7	7.7	12	15.15
S047836		3.62			0.24	7.41	20.8	2160	1.80	0.19	2.37	0.30	44.2	7.4	11	16.15
S047837		2.48			9.23	6.84	8340	400	1.49	5.61	1.59	25.2	44.7	6.4	9	16.60

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123343

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047802		7.6	2.29	17.95	0.15	3.8	0.033	1.69	31.6	131.5	0.53	748	2.47	0.03	10.0	4.9
S047803		11.7	2.32	16.45	0.15	4.2	0.035	1.80	36.1	157.0	0.53	547	8.21	0.03	8.8	4.6
S047804		32.5	1.73	12.55	0.13	3.3	0.103	1.12	29.9	108.0	0.36	474	46.2	0.03	7.2	4.0
S047805		40.2	3.33	17.05	0.15	1.3	0.143	3.85	29.8	18.3	0.60	1200	2.19	0.05	8.3	2.8
S047806		6.6	2.87	16.65	0.16	1.3	0.053	3.10	23.8	34.4	0.62	661	1.56	1.82	8.4	2.7
S047807		6.1	2.81	16.65	0.16	1.4	0.054	3.06	21.2	31.0	0.52	616	2.08	2.08	8.6	2.7
S047808		5.1	2.90	16.25	0.15	1.3	0.047	2.93	20.5	37.6	0.55	634	1.38	1.98	8.3	2.8
S047809		16.2	2.66	15.70	0.15	1.3	0.045	2.83	20.4	12.6	0.44	548	1.54	1.99	7.8	2.6
S047810		20.3	2.61	14.70	0.14	1.1	0.071	2.54	21.8	90.6	0.59	1240	4.51	0.16	7.3	2.4
S047811		3.5	0.45	0.19	0.15	<0.1	<0.005	0.02	0.6	1.5	12.60	201	0.13	0.01	0.1	1.5
S047812		11.8	2.79	16.40	0.18	1.3	0.051	2.36	21.5	192.0	0.64	1350	4.81	0.03	8.2	2.4
S047813		162.5	5.03	13.20	0.16	1.0	0.627	2.65	22.3	22.1	0.81	2200	14.60	0.02	6.1	2.1
S047814		19.1	2.67	15.60	0.15	1.3	0.044	2.73	19.7	31.2	0.67	823	1.88	1.27	7.9	2.5
S047815		7.2	2.81	17.00	0.17	1.4	0.040	2.94	26.1	12.1	0.69	540	1.49	2.17	8.6	2.8
S047816		1170	8.83	13.20	0.15	0.9	1.495	2.58	18.5	15.1	0.67	2240	15.55	0.06	4.7	14.1
S047817		29.9	3.71	15.55	0.11	1.2	0.098	3.19	27.2	22.4	0.48	1050	1.93	0.68	7.7	6.1
S047818		8.5	2.18	15.40	0.09	1.2	0.039	2.85	19.5	70.6	0.60	990	3.38	0.06	8.0	2.5
S047819		13.9	3.58	17.00	0.11	1.3	0.055	2.99	28.1	42.6	0.55	340	1.33	0.73	8.8	3.4
S047820		10.0	3.14	16.50	0.09	1.3	0.059	2.92	23.2	29.1	0.42	421	0.92	1.20	8.6	2.3
S047821		16.7	2.90	15.75	0.11	1.2	0.041	2.59	22.3	56.8	0.69	912	1.21	1.25	7.9	2.3
S047822		22.5	2.87	14.45	0.08	1.2	0.037	2.53	23.7	55.1	0.68	1440	3.69	0.03	7.4	2.3
S047823		1.7	0.45	0.21	0.05	<0.1	0.006	0.03	0.7	1.1	12.35	198	0.12	0.01	0.2	1.2
S047824		15.3	2.46	16.00	0.09	1.1	0.041	3.03	18.4	42.9	0.39	639	1.33	0.12	8.1	1.8
S047825		58.3	3.41	13.40	0.09	0.9	0.070	3.12	21.9	20.0	0.62	2090	4.37	0.04	6.3	2.4
S047826		1265	8.08	12.25	0.09	1.0	4.60	2.33	16.7	29.7	0.63	3080	13.85	0.08	5.4	13.8
S047827		39.6	2.51	15.15	0.09	1.0	0.047	2.70	25.1	334	0.50	1070	4.75	0.05	7.5	2.1
S047828		9.2	3.09	16.40	0.10	1.1	0.048	2.76	23.8	52.2	0.70	624	1.82	1.54	8.4	2.3
S047829		11.2	2.96	15.95	0.11	1.1	0.047	2.81	24.2	16.3	0.69	600	1.52	1.87	8.0	2.5
S047830		21.1	2.57	16.65	0.10	1.2	0.107	2.99	18.4	65.9	0.47	865	1.70	0.10	8.3	2.0
S047831		20.9	3.13	15.45	0.10	1.1	0.092	3.19	23.3	43.1	0.69	1370	3.12	0.08	7.5	2.3
S047832		78.6	3.46	14.75	0.10	1.0	0.117	3.01	23.9	45.0	0.65	1670	2.22	0.06	6.9	2.1
S047833		16.0	2.86	15.90	0.10	1.2	0.056	3.23	20.2	42.8	0.60	1190	1.32	0.12	8.0	2.4
S047834		14.5	2.94	16.10	0.10	1.2	0.058	3.27	20.5	44.9	0.61	1150	1.50	0.13	8.2	2.5
S047835		54.9	3.83	15.20	0.11	1.0	0.051	3.03	24.9	20.8	0.73	1340	3.97	0.55	7.2	2.4
S047836		23.8	3.19	15.80	0.10	1.1	0.048	3.02	22.6	23.4	0.68	646	1.47	1.35	7.9	2.3
S047837		140.0	4.05	14.40	0.12	1.0	0.132	3.01	24.4	23.0	0.54	1340	6.48	0.53	7.0	2.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123343

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047802		1040	43.5	59.1	<0.002	0.03	23.1	4.9	1	1.5	462	0.69	<0.05	9.08	0.299	0.89
S047803		1030	40.8	71.1	<0.002	0.08	54.5	5.0	<1	2.0	548	0.56	<0.05	8.72	0.276	0.95
S047804		690	354	51.9	0.003	0.29	106.5	4.1	1	1.4	654	0.44	<0.05	7.31	0.225	0.81
S047805		650	425	196.5	<0.002	1.36	26.4	10.9	1	3.2	83.3	0.69	0.11	14.50	0.261	3.59
S047806		600	22.6	120.0	<0.002	0.06	3.27	10.5	1	1.4	316	0.68	<0.05	12.70	0.261	1.76
S047807		620	22.9	122.5	<0.002	0.06	2.51	10.6	1	1.4	337	0.72	<0.05	11.35	0.260	1.65
S047808		630	25.6	118.5	<0.002	0.04	2.23	10.6	1	1.4	315	0.67	<0.05	11.45	0.260	1.63
S047809		560	28.5	112.0	<0.002	0.06	4.16	10.1	1	1.5	299	0.66	<0.05	11.60	0.241	1.48
S047810		520	90.1	107.5	<0.002	0.31	30.7	9.5	1	1.4	115.0	0.60	<0.05	11.40	0.234	2.38
S047811		190	1.7	1.0	<0.002	<0.01	0.12	0.2	<1	<0.2	50.7	<0.05	<0.05	0.11	<0.005	<0.02
S047812		570	100.5	90.1	<0.002	0.32	24.7	9.8	1	1.6	153.0	0.69	0.05	11.80	0.247	2.12
S047813		440	7010	153.0	<0.002	3.79	102.5	8.4	1	3.3	88.4	0.52	0.19	10.70	0.188	2.65
S047814		550	66.6	103.0	<0.002	0.27	7.39	9.8	1	1.5	232	0.66	0.06	11.15	0.241	1.70
S047815		570	20.5	124.0	<0.002	0.07	2.15	10.8	1	1.5	358	0.71	<0.05	13.50	0.252	1.44
S047816		430	1615	142.0	<0.002	7.70	97.7	7.9	2	10.2	61.3	0.38	0.57	8.94	0.163	2.07
S047817		550	734	161.0	0.002	1.59	10.90	10.2	1	2.7	145.0	0.66	0.06	12.80	0.236	2.43
S047818		560	29.2	100.0	<0.002	0.21	15.85	9.9	<1	1.3	101.0	0.68	<0.05	11.55	0.248	2.36
S047819		630	21.6	126.5	<0.002	0.07	11.40	11.9	1	1.5	149.0	0.72	<0.05	14.40	0.271	1.51
S047820		610	25.6	127.5	<0.002	0.08	8.57	11.4	1	1.8	189.5	0.71	0.05	13.25	0.256	1.61
S047821		580	30.7	107.0	0.002	0.07	9.41	11.0	1	1.4	255	0.64	<0.05	12.15	0.250	1.57
S047822		510	2190	103.0	<0.002	0.48	65.2	10.2	1	1.5	93.3	0.61	<0.05	11.75	0.225	2.56
S047823		170	3.1	1.4	<0.002	<0.01	0.19	0.2	<1	<0.2	47.0	<0.05	<0.05	0.15	<0.005	<0.02
S047824		600	18.4	116.0	<0.002	0.10	20.4	9.4	1	1.6	113.0	0.64	<0.05	10.40	0.261	1.63
S047825		470	434	156.5	<0.002	2.16	41.8	8.5	<1	2.4	91.9	0.50	0.19	9.72	0.204	2.81
S047826		460	9720	130.0	<0.002	7.07	214	7.1	1	8.4	119.5	0.43	0.45	8.10	0.185	2.22
S047827		550	46.8	124.0	<0.002	0.41	55.5	9.6	<1	1.4	157.5	0.61	0.05	12.45	0.235	1.89
S047828		660	21.4	117.5	<0.002	0.13	8.32	11.0	1	1.6	269	0.65	<0.05	12.45	0.268	1.54
S047829		600	23.0	118.0	<0.002	0.30	4.80	11.5	1	1.5	296	0.64	0.07	13.55	0.254	1.53
S047830		590	330	112.5	<0.002	0.20	24.3	10.7	<1	1.9	92.4	0.67	<0.05	11.30	0.262	1.75
S047831		560	1210	135.5	<0.002	1.33	25.8	10.1	<1	2.6	87.8	0.61	0.08	12.50	0.237	2.37
S047832		500	3420	140.0	<0.002	2.03	36.3	9.6	<1	2.7	84.5	0.56	0.05	11.90	0.215	2.38
S047833		590	171.0	115.5	<0.002	0.25	13.10	10.7	<1	2.1	92.3	0.63	<0.05	11.60	0.257	2.14
S047834		620	297	118.5	<0.002	0.15	12.35	11.2	1	2.3	94.1	0.68	<0.05	12.50	0.263	2.19
S047835		560	2420	132.5	<0.002	1.40	33.0	10.5	1	2.5	131.0	0.56	<0.05	12.95	0.231	2.27
S047836		580	44.1	117.0	<0.002	0.12	6.12	11.1	1	2.5	241	0.63	<0.05	12.40	0.256	1.68
S047837		510	1435	161.5	<0.002	2.31	57.4	10.0	1	4.6	118.5	0.56	<0.05	12.20	0.218	2.27

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123343

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047802		4.7	50	2.5	9.0	680	146.5	0.005
S047803		12.2	53	1.7	10.7	278	170.5	0.005
S047804		12.2	43	2.4	9.4	1550	137.5	0.120
S047805		4.0	68	3.8	14.3	5110	34.5	0.068
S047806		2.9	68	2.5	16.1	689	34.9	<0.005
S047807		2.6	70	2.5	16.1	191	36.3	<0.005
S047808		2.5	72	2.5	15.8	182	35.5	<0.005
S047809		2.8	64	2.1	15.3	915	34.5	<0.005
S047810		4.2	62	3.3	14.7	1260	31.2	0.040
S047811		0.6	1	0.1	0.8	19	<0.5	<0.005
S047812		3.8	67	4.1	14.9	1040	34.8	0.010
S047813		5.5	52	2.9	13.0	7120	26.7	1.515
S047814		3.6	63	2.2	15.0	190	34.0	0.009
S047815		2.9	65	1.1	17.5	187	38.7	<0.005
S047816		5.4	54	7.2	9.1	3280	23.7	1.695
S047817		3.6	65	2.8	14.7	2330	35.0	0.147
S047818		4.0	64	3.9	13.5	803	33.1	0.011
S047819		2.9	71	4.1	18.7	2290	36.5	<0.005
S047820		2.6	69	1.6	17.0	482	37.4	<0.005
S047821		3.7	65	2.1	16.3	117	35.7	0.005
S047822		4.8	61	3.7	14.5	356	34.9	0.017
S047823		0.7	2	0.1	0.8	19	<0.5	<0.005
S047824		2.4	65	3.3	13.2	94	31.0	<0.005
S047825		5.9	57	3.9	13.7	1440	25.6	0.294
S047826		5.1	54	4.6	8.9	>10000	32.8	4.58
S047827		6.6	64	2.8	14.3	186	29.7	0.005
S047828		4.5	72	1.6	17.2	74	33.4	<0.005
S047829		4.7	69	1.4	18.0	55	32.6	<0.005
S047830		3.5	69	3.0	14.6	639	33.9	0.005
S047831		8.8	63	2.4	14.8	551	31.0	2.40
S047832		5.7	59	2.6	14.0	2370	30.4	0.739
S047833		3.5	69	3.2	14.5	194	33.8	0.005
S047834		3.4	70	3.6	14.8	172	32.8	0.008
S047835		5.0	65	1.5	14.5	1530	29.5	0.300
S047836		4.8	69	1.2	16.1	80	33.9	0.015
S047837		5.6	58	2.9	14.1	1560	28.9	1.755

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 14-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123343

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 16-AUG-2016
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CERTIFICATE VA16123344

Project: Klaza

P.O. No.: Batch 68

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

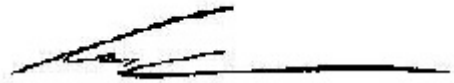
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123344

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
S047838		10.22				0.17	7.18	103.0	1820	1.63	0.30	2.41	0.18	42.2	7.7	19
S047839		3.18				1.45	5.90	165.0	830	1.37	0.72	5.68	5.86	41.2	6.5	11
S047840		2.32				5.34	6.95	473	1500	1.51	1.85	2.37	18.05	47.3	6.8	14
S047841		0.32				36.9	5.76	2510	390	1.18	35.8	1.68	45.3	34.2	18.4	23
S047842		4.84				0.63	7.07	30.2	1810	1.57	0.63	2.43	0.55	49.1	7.2	15
S047843		2.94				1.65	5.76	67.3	900	1.46	0.46	3.50	0.90	42.1	7.4	10
S047844		2.24				0.73	6.72	82.4	890	1.44	0.15	2.77	0.50	43.6	8.5	9
S047845		2.00				0.31	6.72	29.3	1440	1.64	0.82	1.87	0.35	36.2	8.0	16
S047846		6.22				<0.01	0.07	0.5	70	0.07	0.02	19.60	0.05	1.57	0.6	1
S047847		4.10				0.09	7.00	7.5	2220	1.38	0.28	2.55	0.14	41.6	7.2	14
S047848		9.90				0.25	6.84	8.8	1880	1.43	0.51	2.30	0.24	41.6	7.5	15
S047849		0.34	122		1.615	>100	5.33	7970	1170	1.24	59.3	1.92	221	34.9	10.4	18
S047850		1.94				1.60	6.15	1385	1780	1.38	1.10	2.64	6.75	39.8	6.1	18
S047851		5.44				0.35	7.17	30.7	1850	1.48	0.48	1.64	0.84	40.3	9.0	23
S047852		1.58				0.76	5.92	90.0	960	1.48	0.28	4.66	0.60	38.9	5.9	14
S047853		2.48				5.65	4.80	2060	1130	1.12	0.39	5.70	31.3	33.0	4.4	11
S047854		2.18				2.67	7.02	111.5	3650	1.68	0.71	1.99	9.84	48.0	6.9	16
S047855		4.44				0.12	7.14	8.0	2170	1.70	0.15	2.74	0.28	45.1	7.6	18
S047856		2.04				0.11	7.02	11.4	2060	1.61	0.17	2.68	0.23	42.3	7.2	14
S047857		8.72				0.17	7.33	9.5	2260	1.81	0.13	2.38	0.27	44.6	7.7	17
S047858		3.90				0.46	6.97	43.9	1760	1.51	0.48	3.24	0.47	45.9	10.3	16
S047859		4.68				0.13	7.26	8.8	2060	1.62	0.15	2.73	0.21	45.4	7.7	27
S047860		2.00				3.32	6.00	495	820	1.45	0.55	3.25	13.20	39.4	6.1	21
S047861		6.28				0.16	7.74	15.1	2410	1.64	0.47	0.12	3.04	69.5	7.3	18
S047862		8.68				1.20	7.14	86.2	710	1.66	0.99	0.86	7.55	49.2	25.6	8
S047863		6.50				<0.01	0.06	1.1	30	0.07	0.01	20.3	0.08	1.43	0.6	1
S047864		6.24				0.80	7.25	34.5	770	1.24	0.74	1.59	5.49	38.3	22.0	18
S047865		4.48				0.76	7.18	48.6	680	1.70	0.79	1.97	3.04	38.8	12.3	19
S047866		7.42				0.58	7.14	26.8	730	1.37	0.86	3.06	1.19	31.2	19.7	36
S047867		5.86				0.31	7.37	14.0	1050	1.62	0.59	2.14	0.96	43.1	28.6	18
S047868		6.10				0.35	7.30	17.6	1340	1.68	0.74	2.86	0.63	44.3	27.1	17
S047869		2.78				0.11	7.36	12.7	1140	1.60	0.48	2.75	0.77	54.8	11.0	12
S047870		<0.02				0.11	7.39	12.6	1180	1.49	0.51	2.76	0.75	56.0	11.4	14
S047871		4.06				0.23	6.36	57.5	2160	1.64	0.20	1.67	1.84	65.0	5.4	21
S047872		2.86		1.290	2.54	33.9	6.16	613	1160	1.30	3.01	2.45	387	49.7	8.4	16
S047873		6.48				0.17	7.43	29.6	790	1.51	0.13	1.78	1.39	49.5	5.1	16

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123344

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047838		17.70	22.1	3.31	16.25	0.06	1.3	0.052	2.75	21.8	19.6	0.64	942	2.12	1.21	8.5
S047839		18.05	27.2	2.70	14.00	0.05	1.2	0.088	2.89	22.0	24.4	0.70	2600	3.37	0.06	6.9
S047840		14.95	37.2	3.67	14.70	0.06	1.3	0.128	3.06	26.8	30.6	0.82	1780	1.52	0.05	7.5
S047841		10.65	1210	9.25	14.55	0.05	0.9	1.565	2.60	18.0	15.0	0.69	2360	18.15	0.06	5.1
S047842		15.20	49.4	2.87	16.00	0.06	1.3	0.064	2.92	26.8	12.6	0.66	828	1.30	1.36	8.0
S047843		22.8	41.6	2.38	13.40	<0.05	1.5	0.031	1.92	22.6	79.8	1.21	2720	5.33	0.03	6.9
S047844		33.2	13.6	1.99	15.10	<0.05	1.2	0.036	2.37	23.0	35.9	0.92	1620	9.50	0.02	7.7
S047845		21.0	73.9	2.51	16.50	<0.05	1.1	0.079	2.70	17.8	200	0.58	788	1.40	0.10	8.3
S047846		0.37	2.0	0.45	0.25	0.06	<0.1	<0.005	0.03	0.7	2.3	12.30	203	0.15	<0.01	0.2
S047847		19.40	17.9	2.77	16.25	0.06	1.2	0.046	2.69	21.3	11.8	0.67	604	1.54	2.03	8.3
S047848		15.95	13.2	2.72	16.50	0.06	1.3	0.045	2.65	20.9	18.2	0.62	777	2.82	1.34	8.1
S047849		12.00	1290	7.96	13.55	<0.05	1.2	4.63	2.27	18.7	30.4	0.63	3060	15.10	0.08	5.9
S047850		14.80	34.6	3.37	14.15	0.05	1.0	0.102	2.58	21.4	33.9	0.74	1540	5.69	0.04	6.6
S047851		17.55	23.4	2.82	17.45	0.05	1.3	0.063	2.85	19.7	116.5	0.47	810	3.71	0.11	9.0
S047852		21.9	11.7	2.52	14.35	0.05	1.1	0.063	2.69	20.4	47.6	0.48	1200	5.55	0.05	6.9
S047853		11.15	36.9	3.07	10.75	<0.05	0.9	0.068	2.03	18.2	23.5	1.14	5120	21.1	0.13	5.2
S047854		16.95	54.3	3.80	16.20	0.05	1.4	0.122	3.09	25.7	19.6	0.71	3100	3.23	0.07	7.8
S047855		14.95	16.6	2.84	17.20	0.05	1.5	0.045	2.64	22.9	12.0	0.69	725	2.93	2.13	8.8
S047856		14.35	15.2	2.84	16.80	0.05	1.5	0.048	2.67	21.2	11.6	0.68	625	2.62	2.10	8.6
S047857		12.70	10.0	2.87	17.35	0.05	1.4	0.043	2.81	22.6	18.9	0.79	649	2.42	2.36	8.8
S047858		16.50	22.4	3.13	16.20	0.05	1.2	0.054	2.87	24.5	19.6	0.65	1220	2.31	1.02	8.1
S047859		13.25	14.1	2.92	16.75	0.05	1.4	0.052	2.50	23.2	15.5	0.78	705	2.22	2.05	9.0
S047860		20.2	27.6	2.42	14.05	0.05	1.1	0.057	2.59	20.3	56.0	0.50	1380	2.44	0.10	6.8
S047861		12.65	5.0	2.74	17.95	0.06	1.0	0.062	3.37	40.1	43.7	0.30	596	1.81	0.05	5.7
S047862		15.25	17.9	3.68	16.30	0.05	1.1	0.144	3.14	25.6	20.5	0.46	845	5.85	0.04	7.7
S047863		0.16	1.4	0.44	0.19	0.07	<0.1	<0.005	0.02	0.6	1.1	12.70	204	0.10	<0.01	0.1
S047864		12.65	10.8	3.28	15.65	0.05	1.0	0.062	3.11	19.7	23.0	0.72	1070	4.21	0.03	7.6
S047865		19.80	12.8	2.55	16.10	0.17	0.9	0.085	2.50	20.0	63.4	0.74	710	1.79	0.05	6.6
S047866		10.75	8.2	2.64	16.80	0.15	0.7	0.063	2.65	14.9	73.7	0.82	733	2.18	0.08	6.0
S047867		13.95	5.1	2.17	17.45	0.13	0.8	0.046	2.34	21.8	63.8	0.72	510	0.90	0.12	7.3
S047868		16.65	8.9	2.28	17.45	0.14	1.2	0.042	2.14	24.1	51.5	0.81	539	0.96	0.07	7.1
S047869		9.30	3.6	2.17	17.35	0.14	1.1	0.041	1.75	29.7	71.6	0.81	513	0.78	0.74	7.8
S047870		9.25	3.9	2.17	17.25	0.15	1.1	0.038	1.74	31.0	72.2	0.81	511	0.55	0.72	7.7
S047871		14.35	9.3	2.18	16.30	0.14	4.1	0.060	1.44	36.1	369	0.67	610	4.29	0.03	9.2
S047872		20.6	411	4.14	14.80	0.13	1.0	6.52	2.48	27.1	24.8	0.83	1660	3.05	0.03	7.5
S047873		18.20	5.1	2.26	16.75	0.13	1.1	0.054	1.56	26.8	360	0.62	612	2.08	0.03	8.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123344

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047838		2.4	590	26.8	114.5	<0.002	0.20	8.43	11.7	<1	1.9	220	0.66	<0.05	12.70	0.250
S047839		2.2	450	198.0	134.5	<0.002	1.15	24.2	9.2	1	2.1	138.0	0.56	<0.05	11.15	0.193
S047840		2.1	490	557	161.5	<0.002	2.04	16.30	10.3	<1	3.2	77.9	0.62	1.14	13.20	0.215
S047841		15.0	450	1700	140.5	<0.002	7.89	101.0	9.0	1	10.9	63.4	0.42	0.68	9.48	0.164
S047842		2.2	520	37.6	133.5	<0.002	0.54	5.18	10.5	<1	1.6	248	0.66	0.13	13.95	0.225
S047843		3.2	540	49.4	106.5	<0.002	0.96	38.5	8.1	<1	1.5	410	0.53	0.08	9.86	0.201
S047844		2.6	500	38.4	112.0	<0.002	0.92	25.5	9.7	<1	1.7	153.5	0.62	<0.05	11.90	0.224
S047845		2.6	580	25.3	103.5	<0.002	0.84	41.8	11.3	<1	2.4	157.5	0.64	0.27	10.90	0.251
S047846		1.5	170	1.7	1.9	<0.002	<0.01	0.21	0.3	<1	<0.2	49.2	<0.05	<0.05	0.14	<0.005
S047847		2.3	560	19.3	107.5	<0.002	0.10	2.20	10.7	<1	1.7	345	0.61	0.10	12.05	0.241
S047848		2.3	540	23.6	109.5	<0.002	0.13	7.04	11.0	<1	1.8	235	0.63	0.17	12.25	0.233
S047849		14.9	430	9780	133.5	<0.002	6.92	218	8.3	1	8.4	126.0	0.44	0.43	9.33	0.179
S047850		2.3	460	259	130.5	<0.002	0.81	32.9	9.3	<1	3.5	86.8	0.52	0.06	11.05	0.190
S047851		2.5	580	46.7	112.0	<0.002	0.33	22.0	12.0	<1	1.9	119.5	0.70	0.18	11.90	0.252
S047852		2.1	430	49.6	123.5	<0.002	0.62	36.8	8.4	1	1.8	186.0	0.56	<0.05	11.35	0.198
S047853		1.9	340	1260	112.0	<0.002	1.27	63.9	7.2	<1	3.7	172.5	0.41	<0.05	8.62	0.149
S047854		2.2	510	533	161.5	<0.002	0.91	23.5	10.6	<1	3.3	89.2	0.65	0.16	12.75	0.215
S047855		2.5	550	24.9	101.0	<0.002	0.08	2.17	11.3	<1	1.6	352	0.70	<0.05	11.90	0.234
S047856		2.7	550	26.5	98.4	<0.002	0.07	2.26	11.1	<1	1.6	341	0.70	0.05	10.95	0.240
S047857		2.4	580	26.9	101.5	<0.002	0.07	1.61	11.6	<1	1.7	363	0.72	<0.05	12.10	0.242
S047858		2.4	530	26.4	133.5	<0.002	0.86	7.06	10.8	1	2.1	204	0.62	0.25	13.95	0.231
S047859		6.8	600	23.7	98.1	<0.002	0.06	1.72	12.6	<1	1.7	335	0.71	<0.05	13.45	0.251
S047860		2.2	450	825	113.5	<0.002	1.09	29.4	8.9	<1	2.0	121.5	0.56	0.06	11.70	0.191
S047861		2.1	550	18.0	200	<0.002	0.25	8.09	11.5	<1	2.0	52.9	0.48	0.15	14.60	0.173
S047862		3.2	480	186.0	189.5	<0.002	2.59	19.00	12.8	1	2.5	57.9	0.68	0.21	14.05	0.204
S047863		1.4	210	3.1	1.3	<0.002	0.01	<0.05	0.2	<1	<0.2	47.1	<0.05	<0.05	0.13	<0.005
S047864		2.5	530	135.5	192.0	<0.002	1.55	10.05	10.2	1	2.9	58.5	0.61	0.20	14.10	0.209
S047865		2.6	520	103.5	141.5	<0.002	1.52	12.90	9.0	1	2.4	61.3	0.52	0.13	12.45	0.190
S047866		3.5	540	87.6	134.5	<0.002	1.90	9.30	9.1	1	2.3	86.9	0.45	0.22	9.20	0.194
S047867		2.8	630	47.9	106.5	<0.002	1.42	7.53	9.6	1	2.3	98.7	0.55	0.19	10.35	0.229
S047868		4.3	780	22.4	90.2	<0.002	1.34	11.15	9.4	1	2.3	124.5	0.61	0.22	10.85	0.246
S047869		3.0	870	18.9	68.9	<0.002	0.57	9.77	8.9	1	3.1	304	0.57	0.10	8.53	0.275
S047870		2.9	890	18.5	70.8	<0.002	0.60	9.97	8.8	1	3.0	311	0.58	0.09	8.83	0.277
S047871		4.8	970	43.9	73.2	<0.002	0.17	53.9	5.0	<1	1.3	445	0.59	<0.05	8.61	0.275
S047872		4.2	530	>10000	135.5	<0.002	4.24	69.5	8.9	1	2.7	83.0	0.60	0.06	12.15	0.218
S047873		2.2	580	48.7	61.7	<0.002	0.22	20.8	7.8	1	1.6	231	0.74	<0.05	14.30	0.220

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123344

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047838		1.87	4.6	73	3.0	15.6	64	30.3	0.045
S047839		2.80	6.6	55	3.4	16.3	484	28.6	0.071
S047840		2.41	6.6	61	2.8	13.8	1480	30.0	0.124
S047841		2.38	6.1	57	7.8	9.5	3440	23.4	1.855
S047842		1.97	5.0	63	2.0	15.9	66	32.5	0.011
S047843		2.49	6.0	52	4.0	12.0	98	46.9	0.056
S047844		3.17	9.2	61	4.4	12.8	96	28.3	0.030
S047845		2.15	4.2	75	2.0	13.2	99	27.7	0.008
S047846		0.03	0.9	2	0.1	0.9	17	0.5	<0.005
S047847		1.52	4.0	66	1.6	15.4	47	31.4	<0.005
S047848		1.68	3.9	66	2.5	15.0	79	32.9	<0.005
S047849		2.34	5.7	52	4.7	9.9	>10000	32.1	4.40
S047850		2.34	3.7	54	3.7	15.0	811	25.7	0.028
S047851		2.00	4.0	73	3.5	14.7	231	32.2	0.006
S047852		2.78	7.0	56	4.6	12.5	111	27.4	0.014
S047853		2.10	5.3	43	4.2	11.9	2360	22.6	0.219
S047854		3.02	4.5	61	3.2	15.3	1120	35.4	0.087
S047855		1.40	3.8	68	1.4	16.7	93	37.2	<0.005
S047856		1.36	4.0	68	1.3	15.9	91	36.3	<0.005
S047857		1.34	4.0	69	1.7	16.6	88	35.3	<0.005
S047858		1.92	4.9	63	3.0	16.6	77	31.1	0.014
S047859		1.17	4.4	71	1.4	18.3	63	35.5	<0.005
S047860		2.14	6.2	55	3.6	12.7	1040	29.0	0.135
S047861		3.18	4.9	65	2.1	11.4	245	21.3	0.011
S047862		3.16	4.7	60	3.8	16.4	588	21.6	0.061
S047863		<0.02	0.7	2	0.1	0.9	18	<0.5	<0.005
S047864		3.02	4.4	60	3.5	14.0	529	23.4	0.018
S047865		1.85	3.1	62	2.7	12.9	258	22.8	0.039
S047866		2.06	2.5	64	2.5	12.9	151	16.8	0.008
S047867		1.79	2.7	66	1.9	12.5	114	19.0	0.037
S047868		1.53	4.4	83	2.7	12.0	74	33.0	0.012
S047869		1.21	3.8	74	1.5	11.8	88	33.3	<0.005
S047870		1.23	3.8	75	1.6	11.9	85	32.7	<0.005
S047871		0.89	8.5	49	5.4	12.2	188	168.5	0.012
S047872		2.94	4.5	61	4.7	12.9	>10000	26.9	0.398
S047873		1.08	2.6	54	4.6	12.4	138	27.5	0.005

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 16-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123344

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 17-AUG-2016
Account: ROCKHA

CERTIFICATE VA16123345

Project: Klaza

P.O. No.: Batch 69

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

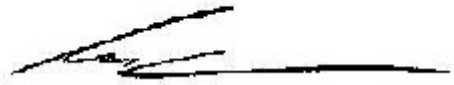
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123345

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R614367		10.84				0.61	7.67	27.9	1030	1.38	3.46	3.12	0.74	47.6	8.4	20
R614368		12.58				0.81	7.76	14.2	1030	1.49	4.14	3.04	0.20	49.5	12.2	18
R614369		11.40				0.52	7.97	18.3	1100	1.57	7.84	2.59	0.21	50.7	9.9	21
R614370		12.70				0.53	8.09	7.5	1000	1.43	3.92	2.74	0.07	51.8	10.6	22
R614371		11.22				0.61	7.78	6.5	1110	1.31	2.06	2.84	0.10	53.1	10.8	25
R614372		6.98				2.19	6.76	164.0	880	1.25	6.50	3.97	0.73	41.2	9.8	22
R614373		6.18				0.03	0.07	0.5	30	0.07	0.04	21.4	0.08	1.74	0.6	1
R614374		5.92				0.45	7.43	67.9	1170	1.13	1.00	3.27	0.11	32.4	9.3	28
R614375		8.92				1.03	7.80	32.1	1240	1.14	1.28	2.80	0.24	47.0	10.0	23
R614376		0.34	119	0.972	1.595	>100	5.65	8460	1320	1.04	63.4	2.04	233	37.0	9.8	19
R614377		4.94				1.37	6.64	41.5	360	1.15	6.59	3.65	0.54	37.9	16.3	18
R614378		9.18				0.62	7.24	24.9	390	1.33	3.14	2.30	0.34	44.6	12.1	18
R614379		7.58				1.32	7.51	24.7	1280	1.86	5.99	2.14	0.53	55.8	7.3	22
R614380		2.92				1.20	7.69	22.1	1240	2.06	6.13	2.16	0.50	59.3	7.6	22
R614381		8.96				0.96	7.82	17.6	1800	2.12	5.64	2.04	0.50	59.6	7.2	20
R614382		13.16				0.68	7.84	18.0	1800	2.25	7.89	1.81	0.48	62.7	7.8	17
R614383		12.74				0.44	7.20	23.0	1450	2.07	4.73	2.52	0.41	54.1	5.1	21
R614384		2.98				0.41	6.15	33.5	900	1.55	2.38	3.12	0.41	38.1	4.5	18
R614385		9.40				0.62	7.92	8.6	1830	2.14	3.28	2.27	0.17	62.1	6.0	22
R614386		12.50				0.79	7.19	17.1	1400	2.22	16.00	2.87	0.25	49.3	5.6	18
R614387		12.48				0.16	7.36	7.4	1180	1.89	2.42	3.34	0.17	57.8	4.7	17
R614388		11.92				0.31	7.73	7.8	840	2.14	2.67	2.49	0.36	54.1	8.2	20
R614389		15.12				0.59	7.86	7.4	810	1.58	2.06	2.32	0.15	43.9	7.6	36
R614390		13.74				0.50	7.92	4.6	750	1.35	4.45	2.69	0.07	47.1	10.8	25
R614391		9.30				0.55	7.51	4.1	930	1.31	1.10	2.08	0.08	44.0	13.9	21
R614392		7.40				0.30	7.56	3.4	1060	1.27	1.63	1.52	0.06	44.4	41.2	18
R614393		0.90	255			>100	4.53	442	260	0.94	0.21	0.08	56.1	30.6	5.3	24
R614394		6.18				0.25	0.05	0.4	20	<0.05	0.02	21.2	0.12	1.18	0.6	2
R614395		1.60				15.60	6.88	262	410	0.95	0.19	0.14	2.88	51.8	1.1	22
R614396		4.72				10.35	7.83	241	510	0.97	0.15	0.11	3.94	56.4	1.6	24
R614397		<0.02				8.72	7.79	233	510	1.05	0.16	0.15	3.71	55.7	1.5	23
R614398		6.84				3.00	8.83	240	620	1.51	0.28	0.11	2.78	54.9	2.2	28
R614399		9.22				1.92	8.38	192.5	710	1.50	0.30	0.21	7.38	56.6	9.4	24
R614400		0.36				37.5	5.70	2440	1310	1.15	36.4	1.64	44.2	39.4	17.3	21
R614401		2.70				1.45	8.18	160.0	840	1.50	0.37	0.22	9.53	56.7	12.7	20
R614402		2.52				3.42	8.16	404	660	1.31	0.14	0.13	6.26	52.7	7.5	24

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123345

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614367		8.99	273	3.30	16.85	0.15	0.8	0.055	2.13	23.1	22.5	1.10	323	4.16	1.83	7.0
R614368		12.45	365	3.69	17.40	0.14	0.7	0.057	2.67	23.8	23.4	1.01	290	3.41	1.63	6.0
R614369		9.84	272	3.45	16.55	0.14	0.7	0.044	2.69	26.9	20.4	1.14	232	2.61	2.10	6.6
R614370		11.70	238	3.52	16.15	0.16	0.7	0.050	2.33	26.6	22.7	1.13	283	3.42	2.22	7.0
R614371		10.95	303	3.65	16.25	0.13	0.7	0.048	2.32	28.2	22.1	1.18	366	5.78	2.14	7.7
R614372		7.95	441	3.90	15.15	0.15	0.6	0.096	1.88	19.5	29.3	0.47	696	4.11	0.46	7.8
R614373		0.16	3.2	0.50	0.25	0.13	<0.1	0.007	0.02	0.9	1.1	13.15	209	0.29	0.01	0.2
R614374		7.90	245	2.97	18.00	0.16	0.8	0.043	1.58	15.3	30.4	0.41	349	1.96	0.29	8.4
R614375		13.80	604	3.56	16.30	0.14	0.6	0.051	2.60	23.9	19.9	1.03	236	1.81	1.58	6.6
R614376		11.75	1315	8.34	13.60	0.13	1.2	4.62	2.40	18.0	27.9	0.66	3180	16.00	0.08	5.4
R614377		10.00	328	4.95	13.75	0.12	0.5	0.027	2.66	18.4	16.6	0.72	209	52.3	0.52	3.2
R614378		14.05	244	4.28	14.85	0.15	0.7	0.032	2.93	22.2	23.2	1.01	178	8.44	1.05	4.6
R614379		25.0	1015	2.55	19.20	0.16	2.9	0.037	4.08	26.9	32.0	1.32	166	2.41	1.25	6.0
R614380		25.7	893	2.71	19.65	0.15	3.0	0.039	4.10	29.8	34.1	1.34	169	3.40	1.19	6.1
R614381		15.25	766	2.48	20.6	0.16	2.4	0.030	3.84	31.7	23.6	1.06	181	2.04	1.88	5.6
R614382		15.95	451	2.37	19.90	0.18	2.1	0.024	3.86	34.6	27.1	1.10	172	1.77	1.89	5.1
R614383		16.75	312	1.93	19.00	0.14	1.8	0.025	3.33	27.4	35.8	0.73	151	2.06	0.95	6.7
R614384		11.05	105.5	1.88	17.35	0.15	1.6	0.031	2.32	17.8	34.6	0.27	170	2.04	0.26	6.4
R614385		15.25	458	2.45	21.3	0.19	1.8	0.038	3.27	33.9	32.7	0.93	159	2.27	2.01	7.5
R614386		9.16	293	2.36	19.90	0.15	1.6	0.025	2.85	24.6	16.0	0.68	140	2.53	1.43	5.1
R614387		10.60	50.0	2.34	16.70	0.18	1.8	0.012	3.42	30.9	15.8	0.85	139	1.97	0.40	4.5
R614388		19.15	172.5	2.91	17.45	0.17	2.0	0.019	3.63	27.0	36.0	1.08	144	3.13	1.06	4.6
R614389		10.95	386	3.74	16.20	0.15	0.7	0.027	2.47	21.1	25.5	1.15	175	3.82	1.82	4.8
R614390		10.40	237	4.02	16.55	0.18	0.7	0.028	2.32	23.7	26.8	1.21	263	2.04	1.75	5.1
R614391		10.10	405	3.59	15.50	0.11	0.6	0.023	1.99	23.5	25.2	1.22	227	2.83	2.16	5.6
R614392		8.45	217	6.56	14.00	0.12	0.5	0.014	2.74	23.8	18.8	0.99	148	16.00	1.43	3.8
R614393		7.85	130.0	3.49	10.65	0.19	0.7	0.081	1.61	16.4	47.0	0.17	528	10.70	0.03	5.0
R614394		0.12	2.3	0.47	0.17	0.11	<0.1	<0.005	0.02	0.6	0.8	13.05	203	0.10	0.01	0.1
R614395		12.20	18.1	2.67	16.30	0.14	1.1	0.130	3.13	27.3	18.5	0.28	290	6.07	0.04	8.3
R614396		14.85	14.9	2.53	18.65	0.11	1.0	0.072	3.67	30.1	20.9	0.34	302	4.33	0.04	8.9
R614397		14.45	14.4	2.48	19.00	0.13	1.0	0.068	3.65	29.9	22.6	0.36	305	4.19	0.04	9.0
R614398		13.85	19.1	2.90	21.1	0.12	1.0	0.087	3.66	28.8	31.1	0.37	301	3.86	0.04	9.3
R614399		13.35	15.0	3.80	20.2	0.12	0.7	0.089	4.01	28.7	31.1	0.45	2090	5.59	0.04	8.6
R614400		10.40	1150	8.84	13.60	0.10	0.8	1.565	2.59	21.8	15.0	0.67	2210	15.95	0.06	4.7
R614401		11.95	9.4	4.00	19.20	0.12	0.6	0.087	3.96	28.2	28.3	0.44	2780	4.01	0.04	8.7
R614402		15.95	9.6	4.40	19.60	0.11	0.6	0.047	3.88	27.6	23.6	0.37	988	5.44	0.04	8.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123345

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614367		5.1	540	27.8	111.0	0.003	2.19	1.54	11.2	<1	3.9	396	0.62	0.22	13.80	0.257
R614368		5.2	600	22.4	147.5	0.004	2.47	2.21	11.8	1	4.3	331	0.52	0.39	14.05	0.236
R614369		5.1	570	23.7	133.5	0.003	2.05	1.70	11.8	1	4.1	449	0.57	0.38	14.00	0.263
R614370		4.9	550	16.7	116.5	<0.002	1.95	1.32	11.7	1	3.7	410	0.64	0.17	14.65	0.273
R614371		5.1	550	13.9	100.5	0.003	1.53	1.45	11.6	1	3.4	466	0.66	0.20	13.00	0.277
R614372		5.3	540	133.5	103.0	0.002	2.88	90.5	10.9	2	4.5	173.5	0.60	0.35	10.20	0.265
R614373		1.3	180	3.1	1.3	<0.002	<0.01	0.25	0.2	<1	0.2	51.4	<0.05	<0.05	0.17	<0.005
R614374		5.2	590	12.3	59.1	0.004	1.23	15.30	10.5	<1	4.2	159.0	0.69	0.09	10.35	0.291
R614375		4.9	550	16.0	136.0	0.004	1.85	3.28	11.2	1	4.2	410	0.58	0.23	12.30	0.264
R614376		14.3	470	>10000	139.0	0.005	7.35	227	7.5	<1	8.7	133.0	0.44	0.46	9.09	0.187
R614377		4.5	450	36.4	150.0	0.005	4.75	5.99	9.2	3	4.4	162.0	0.31	1.00	10.20	0.151
R614378		5.2	500	23.9	150.0	0.002	3.69	2.08	10.3	2	5.1	291	0.54	0.31	12.25	0.193
R614379		7.3	910	19.3	194.0	0.002	2.08	4.34	7.0	1	3.2	342	0.44	1.91	9.48	0.201
R614380		7.7	910	18.1	190.5	<0.002	2.27	4.59	7.4	1	3.4	336	0.46	2.00	9.68	0.204
R614381		6.4	820	22.5	177.5	0.003	1.86	1.42	6.5	<1	2.8	446	0.43	1.50	10.35	0.183
R614382		5.6	760	26.6	186.5	0.003	1.66	1.40	6.1	<1	2.3	445	0.40	0.56	12.20	0.172
R614383		5.1	700	20.5	146.5	<0.002	1.32	4.65	5.6	<1	2.8	292	0.56	0.48	9.94	0.178
R614384		4.7	650	27.1	103.5	<0.002	1.44	7.83	4.6	<1	3.6	136.0	0.51	0.27	7.67	0.176
R614385		6.1	780	12.0	150.5	<0.002	1.56	1.68	6.2	1	3.1	482	0.64	0.66	11.15	0.209
R614386		5.7	730	16.9	146.5	0.003	1.95	1.61	5.8	1	2.4	278	0.43	0.72	9.06	0.145
R614387		4.8	700	8.6	181.5	<0.002	2.06	1.40	5.5	<1	2.1	158.5	0.39	0.32	11.05	0.139
R614388		6.0	720	18.8	173.5	<0.002	2.58	1.72	8.1	1	2.9	336	0.38	0.59	11.70	0.177
R614389		4.5	560	12.5	120.0	0.002	3.10	1.35	11.1	1	4.9	388	0.51	0.29	12.40	0.200
R614390		6.0	600	11.4	137.5	<0.002	3.00	1.24	12.2	1	3.8	367	0.45	1.41	12.10	0.222
R614391		6.2	580	9.0	92.6	<0.002	2.34	1.04	11.8	2	3.5	373	0.50	0.14	12.70	0.231
R614392		6.7	520	6.5	136.0	0.003	6.68	0.79	11.7	6	4.4	249	0.33	0.20	12.95	0.178
R614393		2.6	370	3370	95.6	<0.002	1.22	444	7.6	<1	1.2	25.7	0.36	0.22	6.42	0.206
R614394		1.5	170	4.6	1.0	<0.002	<0.01	0.67	0.2	<1	<0.2	49.0	<0.05	<0.05	0.08	<0.005
R614395		0.8	570	2550	179.0	<0.002	0.29	35.7	9.7	<1	2.4	40.7	0.59	0.39	10.75	0.336
R614396		1.4	450	979	207	<0.002	0.35	51.6	12.2	<1	1.7	48.2	0.61	0.15	11.80	0.357
R614397		1.3	440	909	205	<0.002	0.34	46.0	12.8	1	1.8	47.7	0.62	0.15	11.75	0.361
R614398		2.2	550	465	212	<0.002	0.41	23.1	15.3	<1	1.8	74.9	0.63	0.10	9.27	0.440
R614399		4.2	820	219	240	<0.002	1.07	18.25	16.5	<1	1.5	31.9	0.56	0.12	9.76	0.419
R614400		14.6	440	1625	154.0	0.003	7.77	99.6	8.4	2	10.0	65.9	0.38	0.78	9.77	0.166
R614401		4.6	830	119.0	236	<0.002	1.37	18.70	15.6	<1	2.0	24.0	0.56	0.07	9.42	0.422
R614402		3.6	700	314	225	<0.002	0.77	23.2	16.7	<1	1.5	32.2	0.53	0.12	9.07	0.430

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 17-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16123345

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614367		2.10	4.4	90	10.0	15.6	64	17.5	0.046
R614368		2.76	4.5	98	9.9	15.0	33	16.0	0.011
R614369		2.45	4.5	92	10.9	15.6	33	15.6	0.009
R614370		1.88	4.5	94	9.1	15.8	28	15.3	0.124
R614371		1.67	4.1	89	10.9	16.3	33	16.7	0.041
R614372		1.61	3.3	82	18.2	13.4	71	16.2	0.121
R614373		0.02	0.7	2	0.1	0.8	18	<0.5	<0.005
R614374		1.60	3.6	98	18.2	12.7	29	17.7	0.010
R614375		2.47	3.9	91	13.6	15.5	33	13.0	0.023
R614376		2.33	5.5	55	4.7	9.4	>10000	33.4	4.42
R614377		2.38	4.5	76	15.0	12.0	39	11.3	0.028
R614378		2.54	5.1	83	15.5	14.4	35	13.7	0.018
R614379		3.60	4.0	63	9.6	11.5	41	110.5	0.025
R614380		3.40	4.4	63	10.7	12.1	42	113.0	0.018
R614381		3.01	5.5	57	4.8	11.5	40	83.5	0.015
R614382		3.15	6.4	53	2.8	11.6	42	67.7	0.021
R614383		2.63	5.4	47	3.2	11.0	37	51.2	0.010
R614384		1.86	4.0	46	4.2	8.0	42	50.6	0.175
R614385		2.35	5.2	53	3.3	12.7	32	58.3	0.008
R614386		2.64	4.7	49	2.5	10.8	25	45.7	0.008
R614387		3.15	5.6	47	4.1	10.3	20	56.9	0.007
R614388		2.74	5.8	66	6.5	11.2	32	65.2	0.018
R614389		1.94	4.8	89	10.5	14.4	23	15.0	0.018
R614390		1.93	4.4	95	9.8	12.7	27	13.3	0.029
R614391		1.51	3.7	93	7.0	15.5	26	12.5	0.014
R614392		1.64	3.9	88	14.9	12.1	21	12.0	0.018
R614393		3.24	2.9	62	10.2	5.5	1780	28.2	2.95
R614394		<0.02	0.6	1	0.1	0.8	18	<0.5	<0.005
R614395		4.46	2.2	88	15.7	6.5	513	35.0	0.433
R614396		4.82	2.6	99	8.8	8.8	406	30.5	0.352
R614397		4.93	2.6	99	9.0	8.8	395	30.5	0.294
R614398		4.91	2.6	125	8.1	12.0	459	29.2	0.078
R614399		5.30	2.8	129	6.7	13.0	674	16.6	0.055
R614400		2.24	5.6	55	6.8	10.1	3390	23.2	1.585
R614401		5.36	2.7	129	5.6	16.6	1060	18.2	0.037
R614402		5.03	2.9	138	7.0	12.2	1040	16.1	0.112

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 17-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16123345

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	LOG-21d
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16124064

Project: Klaza

P.O. No.: Batch 1

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16124064

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K291913		3.00

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16124064

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16124066

Project: Klaza

P.O. No.: Batch 19

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16124066

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292446		3.33

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16124066

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16124067

Project: Klaza

P.O. No.: Batch 23

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16124067

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292543		4.43

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Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16124067

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16124068

Project: Klaza

P.O. No.: Batch 25

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16124068

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292577		<0.03

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Project: Klaza

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Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16124068

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE VA16124071

Project: Klaza

P.O. No.: Batch 29

This report is for 3 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16124071

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
K292674		1.47
K292676		0.49
K292678		1.50

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 4-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16124071

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126404

Project: Klaza

P.O. No.: Batch 70

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

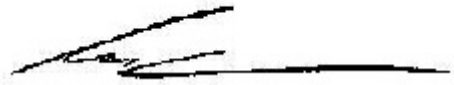
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
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Signature: 

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Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126404

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S047874		3.22			0.33	6.88	17.7	1270	1.51	0.31	2.25	0.43	53.8	15.2	11	23.1
S047875		2.62			0.20	7.18	18.9	1820	1.64	0.18	2.23	0.17	53.3	8.3	12	23.2
S047876		2.56			0.15	7.04	22.1	3080	1.38	0.22	2.63	0.14	59.2	7.7	12	20.8
S047877		4.82			0.36	7.19	15.0	2180	1.29	0.42	1.62	0.18	56.1	18.0	11	11.05
S047878		0.34	121	1.580	>100	5.37	8090	1240	1.24	57.9	1.94	221	37.8	9.4	18	11.50
S047879		6.64			0.68	7.45	15.9	1710	1.48	1.36	1.47	0.31	45.7	6.1	12	16.55
S047880		7.30			1.75	7.39	29.9	1140	1.42	2.07	1.53	1.94	49.8	7.0	15	15.35
S047881		3.60			5.57	6.94	126.5	1310	1.53	2.74	1.65	25.4	44.2	6.3	10	16.85
S047882		5.58			0.82	7.18	32.5	1830	1.27	0.16	1.76	4.73	51.4	6.3	9	15.10
S047883		2.76			33.9	5.75	455	520	1.28	21.3	1.63	39.0	31.7	7.7	9	24.1
S047884		6.12			0.05	0.06	0.2	30	0.07	0.04	20.9	0.10	1.32	0.6	<1	0.17
S047885		1.86			8.68	3.98	249	730	1.12	4.46	1.50	20.6	36.3	5.7	12	10.55
S047886		2.12			0.41	8.09	33.8	760	1.64	0.24	2.18	0.26	56.4	7.3	14	24.9
S047887		1.04			0.37	7.56	35.3	550	1.60	0.20	2.12	0.45	50.0	5.8	9	23.9
S047888		3.04			0.30	7.66	36.2	2430	1.63	0.18	2.40	0.37	53.7	5.6	12	23.6
S047889		5.30			2.44	7.20	103.5	630	1.52	1.71	2.32	7.40	55.3	7.0	14	13.25
S047890		3.34		1.280	64.4	4.66	1725	4850	1.04	62.3	0.27	141.5	21.3	18.7	16	5.03
S047891		7.08			7.79	7.22	5990	730	1.40	3.97	1.35	25.3	48.9	5.6	15	10.35
S047892		6.24			0.07	0.06	4.9	40	<0.05	0.08	21.3	0.15	1.25	0.7	<1	0.13
S047893		6.92			1.29	7.00	51.2	1410	1.20	0.48	2.35	8.03	44.5	6.2	14	12.55
S047894		5.60			7.87	5.88	884	510	1.01	7.82	1.78	95.7	43.6	16.4	14	10.30
S047895		8.30			0.20	7.01	29.3	2060	1.03	0.19	2.77	0.50	38.6	6.5	13	13.20
S047896		3.98			59.8	5.24	1175	1260	1.03	75.4	1.96	32.5	40.0	10.6	16	7.19
S047897		2.30			0.86	6.85	76.5	1680	1.43	0.68	2.35	2.29	36.8	7.2	13	18.65
S047898		<0.02			0.83	6.99	76.0	1660	1.49	0.64	2.36	2.27	39.3	7.5	13	19.25
S047899		2.80			0.56	7.44	30.0	340	1.83	0.34	3.40	1.06	53.4	6.7	9	33.4
S047900		2.68			0.66	7.50	60.6	1500	1.58	0.32	4.11	1.86	50.4	7.2	9	15.70
S047901		4.14			6.13	7.43	198.5	1410	1.48	1.71	1.54	11.20	50.6	8.4	11	13.00
S047902		2.98			3.28	6.88	350	1600	1.33	1.13	2.81	8.29	45.1	5.3	15	12.60
S047903		2.12			4.04	6.14	241	850	1.39	1.99	3.08	21.0	44.5	6.2	10	14.05
S047904		0.34			4.41	6.60	707	940	1.35	3.23	2.02	9.93	48.7	11.2	23	12.85
S047905		8.04			0.13	6.71	16.3	1850	1.46	0.21	2.44	0.22	39.3	5.6	13	17.05
S047906		2.56			7.52	5.49	993	1180	1.15	2.98	1.49	22.5	43.3	9.1	15	6.95
S047907		2.30			0.23	6.76	22.2	1390	1.48	0.13	1.38	0.91	82.2	3.0	13	10.35
S047908		1.82			0.57	6.41	47.0	2250	1.67	0.38	0.50	1.70	65.9	3.6	12	12.60
S047909		3.40			8.19	6.96	309	1040	1.65	3.18	2.28	13.40	49.4	5.7	13	17.40

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S047874		11.5	3.00	15.45	0.12	1.0	0.034	1.98	26.9	80.1	0.71	670	1.38	0.05	7.5	3.5
S047875		20.9	2.74	16.85	0.13	1.1	0.038	2.12	27.1	96.0	0.73	700	2.92	0.05	8.6	3.1
S047876		20.0	2.72	14.80	0.13	0.9	0.040	2.23	32.8	114.5	0.92	839	1.06	0.03	7.2	2.6
S047877		9.4	2.67	15.50	0.13	0.9	0.046	1.28	30.3	164.0	0.52	610	1.09	0.03	7.2	2.8
S047878		1260	8.02	12.95	0.09	1.1	4.53	2.33	19.7	32.5	0.62	2980	14.65	0.08	5.4	14.1
S047879		10.9	2.79	15.80	0.11	1.0	0.044	2.06	23.2	164.0	0.55	663	12.35	0.07	8.0	2.2
S047880		15.7	2.85	15.05	0.14	1.0	0.076	1.86	26.1	129.5	0.60	904	3.49	0.03	7.4	2.5
S047881		168.5	3.47	14.75	0.12	1.0	0.460	2.58	23.2	57.4	0.59	1110	1.94	0.05	7.0	2.3
S047882		22.1	3.13	15.85	0.14	1.0	0.049	2.76	26.7	51.5	0.59	978	1.12	0.09	7.9	2.4
S047883		1160	4.78	13.55	0.10	1.2	1.375	2.24	15.0	51.5	0.41	603	9.23	0.06	6.5	3.2
S047884		3.2	0.45	0.20	0.13	<0.1	0.006	0.02	0.6	1.3	12.55	189	0.10	<0.01	0.1	1.4
S047885		176.0	3.10	9.31	0.09	0.8	0.527	1.77	20.0	47.4	0.64	826	33.4	0.02	3.9	2.5
S047886		32.6	2.76	16.20	0.14	1.3	0.041	3.32	29.7	65.1	0.90	889	3.14	0.04	8.2	5.7
S047887		24.1	2.64	15.55	0.13	1.2	0.047	3.16	26.2	71.7	0.86	942	2.44	0.04	8.0	3.0
S047888		15.2	3.01	14.65	0.15	1.2	0.036	3.06	28.4	121.5	0.97	950	3.30	0.04	7.8	2.7
S047889		42.4	3.87	14.80	0.14	1.1	0.313	3.34	29.0	24.9	0.86	2100	2.42	0.03	7.4	2.5
S047890		1140	9.60	10.20	0.10	0.7	8.57	2.30	8.0	15.1	0.24	1110	7.52	0.02	4.1	2.7
S047891		176.0	5.01	13.75	0.13	1.2	0.908	3.35	26.6	41.0	0.58	1560	3.85	0.04	7.0	2.5
S047892		3.4	0.47	0.20	0.15	<0.1	0.009	0.02	0.6	1.2	13.05	212	0.10	<0.01	0.1	1.7
S047893		15.6	3.08	15.15	0.13	1.2	0.118	3.42	22.2	36.6	0.65	1330	1.31	0.07	8.0	2.5
S047894		221	7.31	12.40	0.11	0.8	1.635	2.72	22.6	15.4	0.65	1020	2.50	0.04	4.7	2.9
S047895		22.7	2.88	13.75	0.13	1.2	0.041	2.71	18.7	60.8	0.68	821	1.39	0.10	7.7	2.3
S047896		1290	7.10	11.25	0.11	0.9	2.31	2.52	21.7	16.0	0.50	1030	4.72	0.03	4.8	2.8
S047897		13.6	2.87	14.95	0.11	1.4	0.061	3.19	17.5	111.5	0.58	1150	1.59	0.10	8.1	2.4
S047898		12.3	2.90	15.30	0.13	1.5	0.062	3.19	18.7	123.5	0.59	1150	1.52	0.10	8.3	2.4
S047899		28.7	2.72	18.25	0.16	3.7	0.057	2.94	27.3	98.9	1.08	685	3.47	0.06	10.4	4.1
S047900		27.3	2.86	17.90	0.16	3.9	0.056	2.69	25.0	341	1.37	901	1.98	0.05	11.1	4.6
S047901		105.5	3.50	15.65	0.14	2.0	0.281	2.96	26.3	132.5	0.59	806	2.29	0.08	8.5	3.0
S047902		118.0	3.52	14.80	0.17	1.1	0.185	2.94	23.0	16.3	0.65	1060	1.49	0.70	7.3	2.5
S047903		61.6	4.17	12.60	0.14	1.1	0.618	2.77	23.8	19.6	1.12	1580	1.31	0.03	6.1	2.7
S047904		303	4.92	14.45	0.12	1.1	0.280	2.95	27.5	24.8	0.76	1840	14.20	0.15	6.1	14.0
S047905		24.2	2.69	13.60	0.14	1.2	0.039	2.75	19.8	32.5	0.59	582	1.04	1.23	7.3	2.3
S047906		160.0	6.07	12.00	0.14	0.8	0.285	2.67	22.7	13.6	0.56	1580	4.91	0.03	5.3	2.5
S047907		6.1	2.08	13.65	0.14	2.3	0.028	2.32	51.1	23.5	0.47	494	2.10	0.23	7.8	1.8
S047908		11.3	1.92	13.30	0.16	2.4	0.045	2.76	38.8	22.4	0.25	486	2.01	0.05	6.0	2.0
S047909		170.5	3.41	13.25	0.13	1.4	0.271	3.02	27.1	19.7	0.78	1420	1.45	0.04	7.0	3.0

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S047874		520	19.9	75.8	<0.002	1.15	20.4	8.3	1	1.7	109.5	0.54	<0.05	12.30	0.224	1.49
S047875		580	15.0	77.2	<0.002	0.52	17.35	9.8	1	3.2	112.0	0.64	<0.05	13.25	0.249	1.43
S047876		540	24.5	108.0	<0.002	0.42	18.15	8.9	<1	2.9	167.5	0.50	<0.05	13.60	0.221	1.49
S047877		600	20.2	53.6	<0.002	0.69	30.6	8.3	1	2.2	221	0.51	0.13	13.80	0.219	0.94
S047878		460	9690	138.5	<0.002	6.92	213	7.2	1	8.6	124.5	0.35	0.45	8.78	0.182	2.24
S047879		540	29.0	89.0	<0.002	0.24	20.8	8.8	<1	2.3	139.5	0.59	<0.05	13.40	0.232	1.24
S047880		550	140.0	100.5	<0.002	0.69	23.6	8.7	1	2.8	124.0	0.55	0.10	13.25	0.223	1.51
S047881		470	1140	122.0	<0.002	1.52	33.4	7.9	<1	3.6	85.0	0.53	0.06	12.15	0.202	2.00
S047882		600	314	103.0	<0.002	0.34	20.6	9.4	<1	3.0	99.1	0.56	<0.05	11.40	0.248	1.61
S047883		470	833	103.0	<0.002	3.78	299	7.1	1	4.8	117.0	0.45	0.39	7.48	0.196	1.69
S047884		170	2.7	1.0	<0.002	<0.01	0.46	0.1	<1	<0.2	47.9	<0.05	<0.05	0.09	<0.005	<0.02
S047885		270	744	112.5	<0.002	2.48	91.2	4.8	<1	2.8	70.3	0.24	0.10	7.21	0.127	1.98
S047886		630	28.8	153.5	<0.002	0.65	26.2	10.6	1	1.6	128.5	0.70	<0.05	15.25	0.267	3.14
S047887		600	41.6	129.5	<0.002	0.60	22.9	10.0	1	1.5	123.0	0.67	0.05	13.65	0.256	2.97
S047888		610	26.1	134.5	<0.002	0.42	16.10	10.2	1	1.4	182.5	0.67	<0.05	12.75	0.258	2.69
S047889		560	391	160.0	<0.002	2.61	17.80	9.8	1	4.0	67.7	0.62	0.08	12.70	0.235	2.99
S047890		340	4140	132.5	<0.002	>10.0	144.0	6.5	1	7.5	95.8	0.35	0.83	5.25	0.133	2.01
S047891		530	1110	177.0	<0.002	3.47	59.7	9.4	1	5.4	57.7	0.61	0.20	12.20	0.232	2.46
S047892		180	5.2	1.1	<0.002	<0.01	0.30	0.2	1	<0.2	49.3	<0.05	<0.05	0.10	<0.005	<0.02
S047893		590	461	137.0	<0.002	1.04	7.02	9.2	1	2.7	101.0	0.68	0.09	10.55	0.248	2.61
S047894		440	1010	160.5	<0.002	6.86	23.9	7.9	1	5.0	45.8	0.41	0.36	9.94	0.162	2.10
S047895		600	22.6	75.2	<0.002	0.27	9.95	9.1	1	1.4	122.5	0.66	<0.05	9.95	0.253	1.33
S047896		380	1225	150.5	<0.002	7.03	294	7.1	1	5.6	61.5	0.42	0.48	8.77	0.150	2.29
S047897		570	141.0	101.5	<0.002	0.88	12.30	9.1	1	1.7	121.0	0.73	0.09	9.68	0.251	2.07
S047898		580	149.0	108.0	<0.002	0.86	12.10	9.5	1	1.7	123.5	0.73	0.13	10.10	0.253	2.01
S047899		780	39.3	101.5	<0.002	0.10	22.5	8.3	1	2.3	395	0.84	<0.05	8.93	0.308	2.04
S047900		770	164.5	64.3	<0.002	0.30	18.95	8.0	1	2.3	700	0.82	<0.05	8.24	0.320	1.88
S047901		580	701	125.5	<0.002	1.48	38.5	9.6	1	3.6	247	0.71	0.14	12.20	0.253	1.92
S047902		550	415	122.5	<0.002	0.98	15.60	9.6	1	3.1	166.0	0.66	<0.05	10.75	0.230	1.74
S047903		450	1370	147.5	<0.002	2.14	19.50	8.2	1	4.6	91.0	0.54	<0.05	10.10	0.188	2.32
S047904		520	487	150.5	0.003	2.68	27.9	9.3	1	5.3	107.5	0.51	0.33	11.00	0.202	2.42
S047905		520	21.0	98.7	<0.002	0.19	11.05	8.9	1	1.2	239	0.67	<0.05	10.15	0.229	1.39
S047906		420	813	166.0	<0.002	5.89	44.8	8.1	1	5.6	36.8	0.44	0.15	9.03	0.170	2.48
S047907		290	11.1	128.0	<0.002	0.08	14.95	5.9	1	1.3	48.9	1.13	<0.05	29.2	0.116	1.49
S047908		230	33.7	168.0	<0.002	0.18	22.4	6.0	1	1.1	35.3	0.98	<0.05	30.7	0.095	2.06
S047909		480	512	146.0	<0.002	1.63	28.0	7.7	1	2.3	86.6	0.66	0.18	14.50	0.199	2.31

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Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S047874		3.5	56	3.0	14.6	67	23.7	0.006
S047875		6.2	63	4.2	15.8	54	26.5	0.006
S047876		6.3	57	2.8	15.8	58	22.0	<0.005
S047877		4.5	55	5.3	12.9	53	22.7	0.005
S047878		5.2	52	4.4	9.4	>10000	32.8	4.51
S047879		3.8	59	4.8	13.9	69	24.1	0.009
S047880		5.2	57	5.4	13.3	231	24.5	0.018
S047881		10.7	51	3.3	12.3	2590	23.2	0.305
S047882		3.0	66	4.4	13.6	474	25.7	<0.005
S047883		6.8	51	4.0	10.2	4020	38.2	1.285
S047884		0.7	1	0.1	0.8	22	<0.5	<0.005
S047885		5.0	35	2.6	6.7	1780	23.1	0.297
S047886		5.2	69	2.9	14.6	76	35.2	0.005
S047887		5.3	66	3.0	12.2	89	33.8	0.006
S047888		3.9	69	3.1	13.6	86	32.7	0.005
S047889		4.3	60	2.6	12.0	905	30.7	0.047
S047890		3.1	43	3.1	6.6	>10000	18.6	2.20
S047891		4.8	61	3.6	10.4	3100	32.8	0.565
S047892		0.7	1	0.1	0.7	27	<0.5	<0.005
S047893		3.7	66	2.4	11.6	956	32.4	0.011
S047894		2.6	52	3.3	9.6	9880	23.1	1.705
S047895		2.9	67	4.0	13.5	123	33.4	0.008
S047896		9.9	47	3.5	10.0	3400	24.5	5.56
S047897		4.7	67	3.1	12.8	331	37.8	0.029
S047898		4.8	66	3.2	13.3	321	39.0	0.026
S047899		7.8	70	3.4	14.8	144	137.5	0.025
S047900		5.7	76	7.9	14.9	325	140.0	0.022
S047901		4.3	65	5.0	13.9	1030	62.1	0.176
S047902		2.4	60	2.4	14.0	800	31.8	0.096
S047903		4.8	51	2.2	12.3	1930	29.1	0.121
S047904		5.2	64	5.4	11.4	857	31.1	0.343
S047905		3.6	61	1.5	13.2	50	31.3	<0.005
S047906		3.1	47	3.0	8.1	1740	24.0	0.724
S047907		6.6	34	1.0	14.9	176	55.6	0.007
S047908		5.7	31	1.0	11.6	329	54.9	0.020
S047909		5.7	52	2.7	14.0	1260	40.1	0.231

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Project: Klaza

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126404

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 30-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126414

Project: Klaza

P.O. No.: Batch 71

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

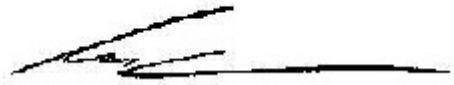
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16126414

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
R614403		2.56		1.310	1.745	60.9	6.23	746	450	1.30	0.86	0.21	239	38.6	12.4	30
R614404		2.68				0.99	9.14	173.5	1220	1.70	0.20	0.84	28.2	50.1	18.7	26
R614405		6.38				5.03	8.05	185.0	1070	1.47	0.63	0.58	18.55	42.7	8.8	21
R614406		0.30				36.5	5.61	2490	380	1.34	37.8	1.70	45.0	33.2	16.4	22
R614407		1.86				4.47	7.69	296	600	1.47	0.68	0.07	3.22	42.4	3.2	18
R614408		2.86		2.59		87.2	4.85	1110	280	0.96	0.88	0.09	317	33.4	5.3	25
R614409		6.28				0.14	0.05	2.1	20	0.06	0.03	20.8	0.57	0.97	0.6	<1
R614410		2.22				0.77	8.39	111.5	730	1.95	0.18	0.25	10.65	57.7	7.3	24
R614411		2.54				2.49	8.17	85.0	710	1.81	3.81	0.34	29.5	53.3	10.0	24
R614412		3.28				3.14	5.48	786	450	1.20	0.81	0.15	20.1	37.5	9.7	29
R614413		3.04				3.82	3.93	585	210	1.02	0.39	0.12	14.55	28.8	11.4	36
R614414		6.00				0.01	0.04	0.4	30	0.06	0.03	21.4	0.09	1.09	0.7	1
R614415		3.26				0.83	8.54	72.6	1350	1.50	0.31	3.62	4.68	54.6	13.3	20
R614416		3.10				0.17	8.17	6.2	1530	1.60	0.09	4.71	0.38	49.2	13.0	24
R614417		1.36				0.14	8.01	6.8	1450	1.43	0.09	5.10	0.33	51.6	12.7	22
R614418		3.44				1.57	8.17	37.7	1350	1.61	1.07	3.59	12.70	46.1	12.6	23
R614419		6.64				0.94	6.25	109.5	310	1.24	0.22	5.18	2.35	41.6	9.8	21
R614420		4.72				1.20	7.33	68.1	980	1.63	0.90	3.40	3.28	38.8	12.8	23
R614421		2.52				0.62	7.88	17.4	1450	1.60	0.37	3.62	0.90	42.4	11.7	25
R614422		0.30	119	0.972	1.575	>100	5.60	7150	330	1.28	64.6	2.02	239	33.6	9.9	20
R614423		2.20				0.51	7.22	37.6	1400	1.23	0.77	4.45	0.49	44.0	10.6	22
R614424		5.82				0.51	8.15	89.1	680	1.56	0.66	0.30	15.00	54.2	11.5	24
R614425		5.14				1.62	7.69	84.1	1390	1.52	0.29	4.17	4.67	53.8	10.2	24
R614426		3.86				5.01	7.06	211	1190	1.45	0.18	1.80	38.8	36.8	10.0	24
R614427		5.46				8.26	6.50	363	290	1.15	0.32	3.41	25.2	47.2	8.4	20
R614428		3.90				2.65	8.75	208	1680	1.90	0.16	1.18	13.40	57.6	14.0	25
R614429		6.84				1.91	8.62	202	1580	1.67	0.24	1.47	8.57	55.1	12.4	24
R614430		<0.02				1.94	8.61	198.0	1560	1.65	0.23	1.46	8.55	54.7	12.3	24
R614431		4.86				3.08	8.16	275	760	1.47	0.35	1.86	4.22	45.6	14.6	25
R614432		2.38				2.76	6.65	297	730	2.23	0.26	7.03	10.25	77.1	17.0	80
R614433		4.62				0.93	7.77	84.3	1580	3.60	0.15	3.56	1.51	77.6	12.6	102
R614434		3.10				1.54	7.72	68.8	1600	3.79	1.05	3.20	4.65	75.5	15.4	93
R614435		3.16				0.64	8.10	35.1	2120	1.48	0.13	3.43	0.75	51.9	11.6	24
R614436		4.94				2.28	7.88	20.0	1500	1.44	0.13	4.38	9.62	49.4	11.4	25
R614437		11.92				0.70	7.39	43.7	1570	1.43	0.25	3.97	2.34	44.8	11.3	23
R614438		10.18				1.24	7.76	97.5	1740	1.50	0.27	3.29	4.26	53.7	10.9	23

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA16126414

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614403		11.35	84.2	5.03	14.60	0.14	0.5	0.151	2.40	20.3	61.0	0.28	4580	30.7	0.04	5.5
R614404		9.85	39.7	4.84	20.5	0.14	0.6	0.106	1.62	25.0	39.1	0.24	5040	4.56	0.07	8.3
R614405		10.70	30.2	4.45	18.20	0.15	1.1	0.171	2.68	22.3	34.7	0.31	1920	6.60	0.07	6.1
R614406		9.24	1180	9.16	13.00	0.14	0.8	1.520	2.65	17.3	16.7	0.68	2280	17.75	0.06	4.6
R614407		10.90	8.1	3.20	16.90	0.14	1.1	0.160	4.08	23.4	19.5	0.37	287	5.99	0.06	8.8
R614408		7.85	184.5	6.37	12.05	0.12	0.5	0.476	1.89	18.1	44.6	0.20	572	16.20	0.03	4.3
R614409		0.11	1.7	0.45	0.16	0.08	<0.1	0.005	0.02	0.5	1.3	12.95	192	0.15	<0.01	0.1
R614410		11.00	10.5	3.37	20.7	0.20	0.9	0.166	4.38	28.3	22.3	0.44	481	5.54	0.05	8.6
R614411		10.40	54.7	4.23	19.60	0.14	0.7	0.957	3.53	26.7	44.3	0.48	1380	3.93	0.04	7.8
R614412		9.09	22.0	5.85	13.55	0.10	0.5	0.148	2.24	19.0	54.3	0.31	2250	10.60	0.03	5.0
R614413		11.45	17.9	4.61	9.70	0.08	0.5	0.078	1.28	14.9	67.2	0.16	2110	15.15	0.03	3.7
R614414		0.10	1.6	0.47	0.20	0.21	<0.1	<0.005	0.02	0.5	0.9	13.20	204	0.41	<0.01	0.1
R614415		13.20	18.7	4.40	20.7	0.15	2.4	0.065	2.24	26.3	27.3	0.99	1900	2.93	1.11	8.3
R614416		14.85	18.0	4.50	20.1	0.14	1.9	0.056	2.19	23.3	14.2	1.44	853	2.91	2.25	8.2
R614417		16.00	16.4	4.42	19.25	0.14	2.4	0.054	2.13	25.4	14.0	1.33	1100	2.77	2.11	7.8
R614418		17.10	63.4	4.81	20.3	0.14	0.6	0.780	2.56	22.5	24.1	1.33	1360	2.27	0.88	7.5
R614419		30.1	13.5	3.69	14.60	0.11	0.4	0.064	1.33	21.8	73.0	1.36	6290	3.51	0.03	5.7
R614420		27.2	23.8	4.22	18.95	0.12	0.5	0.202	2.94	18.0	80.5	0.90	6630	3.60	0.07	7.1
R614421		36.2	19.8	4.16	19.45	0.12	0.6	0.056	2.37	19.7	25.1	1.26	1590	2.35	1.56	7.7
R614422		11.55	1335	8.40	13.05	0.11	1.0	4.76	2.37	18.0	33.7	0.66	3180	14.80	0.08	5.6
R614423		37.5	13.9	3.48	18.50	0.13	0.5	0.143	3.03	20.5	72.6	1.07	2140	2.72	0.33	7.6
R614424		11.30	7.2	4.92	19.65	0.13	0.8	0.172	3.41	27.8	42.2	0.49	3300	4.67	0.04	7.4
R614425		14.75	22.3	3.58	19.40	0.17	0.7	0.052	3.20	26.0	25.9	0.54	2190	3.77	0.48	9.0
R614426		12.40	27.2	3.55	19.20	0.14	0.6	0.055	3.00	15.4	39.1	0.21	3480	5.14	0.09	8.5
R614427		8.59	22.8	3.72	15.40	0.13	0.5	0.043	2.34	24.8	51.7	0.79	4670	4.02	0.03	6.9
R614428		19.25	44.4	3.90	20.7	0.17	0.5	0.089	4.25	27.8	47.7	0.36	3820	3.80	0.10	9.0
R614429		19.75	18.7	4.02	20.7	0.15	0.6	0.063	3.69	26.3	34.1	0.51	2760	3.84	0.20	9.1
R614430		19.60	18.3	3.95	20.6	0.15	0.5	0.059	3.68	26.3	33.5	0.51	2730	3.94	0.20	9.0
R614431		13.10	22.2	4.37	20.4	0.13	0.5	0.077	3.54	21.1	33.5	0.46	3060	3.92	0.04	8.2
R614432		12.65	46.7	4.18	16.10	0.13	4.7	0.075	1.83	40.8	48.7	0.59	6700	5.72	0.05	14.1
R614433		14.75	31.2	3.28	19.55	0.17	5.3	0.055	3.61	40.5	29.7	0.85	1840	4.01	0.85	16.3
R614434		23.6	47.8	3.37	19.50	0.18	4.6	0.298	3.40	39.0	25.3	1.30	1920	3.71	1.24	15.7
R614435		14.00	24.0	4.36	18.85	0.17	0.6	0.061	3.06	25.5	20.2	1.47	1740	2.71	1.19	7.5
R614436		10.35	40.1	4.28	19.25	0.16	0.6	0.199	2.49	23.1	12.0	1.61	1560	3.42	1.78	7.8
R614437		11.90	17.4	4.29	18.40	0.15	0.6	0.122	2.69	20.6	19.9	1.48	1940	3.05	1.24	7.7
R614438		14.55	15.1	3.97	18.75	0.16	0.5	0.111	3.17	26.5	27.8	1.03	2440	3.30	0.48	8.0

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CERTIFICATE OF ANALYSIS VA16126414

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614403		6.0	690	>10000	136.5	<0.002	2.63	172.5	11.0	1	1.5	37.6	0.37	0.41	5.47	0.305
R614404		8.9	1210	97.4	58.0	<0.002	0.16	24.2	15.2	1	1.3	152.0	0.56	<0.05	8.17	0.467
R614405		4.2	750	1185	132.5	<0.002	0.25	17.70	10.5	1	1.4	80.4	0.46	0.39	12.15	0.299
R614406		14.7	450	1675	140.5	0.002	7.76	105.0	7.7	2	11.0	60.6	0.39	0.77	8.39	0.163
R614407		1.6	390	641	220	0.002	1.32	20.1	12.1	1	1.7	61.2	0.68	0.26	14.45	0.329
R614408		2.5	400	>10000	101.5	<0.002	4.02	228	8.4	1	1.7	30.1	0.30	0.52	7.41	0.208
R614409		1.5	180	42.9	0.9	<0.002	<0.01	0.47	0.1	<1	<0.2	45.6	<0.05	<0.05	0.07	<0.005
R614410		3.3	830	126.5	234	<0.002	0.93	14.10	16.6	1	1.6	25.9	0.58	0.05	10.45	0.454
R614411		6.0	890	224	184.0	<0.002	1.77	16.50	15.4	1	1.7	35.1	0.49	0.10	7.80	0.437
R614412		5.1	450	307	116.5	<0.002	1.92	47.6	11.8	1	1.2	19.6	0.33	0.27	5.85	0.273
R614413		6.3	410	186.0	73.1	<0.002	1.57	66.0	7.3	1	1.1	45.2	0.24	0.16	4.11	0.213
R614414		1.5	180	2.1	0.8	<0.002	<0.01	0.11	0.2	<1	<0.2	49.2	<0.05	<0.05	0.08	<0.005
R614415		5.5	1030	68.0	81.5	<0.002	0.23	8.70	17.5	1	1.5	426	0.54	0.15	8.36	0.492
R614416		4.8	1010	19.6	72.1	<0.002	0.03	2.41	16.8	1	1.4	672	0.55	<0.05	7.96	0.485
R614417		4.4	970	19.9	76.5	<0.002	0.05	3.11	16.5	1	1.4	659	0.51	<0.05	8.16	0.467
R614418		4.5	960	286	122.0	<0.002	1.17	9.75	17.1	1	2.0	319	0.49	0.05	7.40	0.437
R614419		4.3	650	190.5	80.1	<0.002	0.67	28.7	12.3	1	1.1	169.5	0.37	0.05	6.16	0.320
R614420		5.6	870	182.5	107.0	<0.002	2.54	27.8	14.2	<1	1.3	163.5	0.46	0.10	5.92	0.406
R614421		4.6	940	214	86.6	<0.002	0.29	11.65	15.3	1	1.4	462	0.52	<0.05	6.93	0.435
R614422		14.9	480	>10000	140.5	<0.002	7.35	233	7.7	1	8.5	128.0	0.40	0.44	8.29	0.193
R614423		4.4	830	41.7	111.5	<0.002	0.61	13.55	12.8	1	1.4	270	0.52	0.15	7.41	0.380
R614424		5.1	880	41.0	180.5	<0.002	0.78	16.25	15.3	1	1.3	25.9	0.48	0.05	8.30	0.412
R614425		5.7	900	52.2	127.5	<0.002	0.17	15.00	12.0	1	1.4	253	0.63	<0.05	9.46	0.390
R614426		6.3	790	113.5	118.5	<0.002	0.14	21.4	10.9	1	1.4	134.0	0.59	<0.05	7.11	0.356
R614427		5.1	710	196.5	131.0	<0.002	0.50	23.7	10.4	<1	1.2	80.5	0.51	0.06	9.03	0.312
R614428		8.7	970	90.7	203	<0.002	0.09	22.3	14.1	1	1.7	125.0	0.62	<0.05	10.65	0.427
R614429		8.1	950	46.3	160.5	<0.002	0.07	13.55	14.2	<1	1.6	142.0	0.62	<0.05	10.30	0.425
R614430		7.8	950	44.8	161.0	<0.002	0.06	13.35	14.0	1	1.6	141.5	0.62	<0.05	9.96	0.425
R614431		8.4	950	148.5	171.0	<0.002	0.64	20.9	13.5	1	1.7	62.1	0.55	0.51	8.05	0.397
R614432		45.2	2340	201	77.7	<0.002	0.09	31.5	8.9	1	2.6	269	0.80	0.12	8.32	0.418
R614433		51.1	2550	70.0	144.0	<0.002	0.05	15.80	8.9	1	2.8	387	0.93	0.05	9.82	0.443
R614434		47.6	2300	89.9	137.0	<0.002	0.05	14.45	9.6	1	2.7	476	0.89	0.09	9.67	0.448
R614435		6.4	950	33.3	127.0	<0.002	0.10	6.76	14.1	1	1.3	440	0.51	0.07	8.23	0.409
R614436		4.2	950	666	88.7	<0.002	0.17	5.93	15.7	1	2.0	558	0.51	<0.05	7.60	0.447
R614437		4.6	910	51.3	80.9	<0.002	0.39	7.68	14.1	1	1.6	419	0.52	0.05	7.54	0.419
R614438		5.1	870	134.0	126.0	<0.002	0.56	13.10	13.4	1	1.6	234	0.56	<0.05	9.21	0.396

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126414

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614403		3.80	2.6	95	6.0	13.8	>10000	13.9	0.429
R614404		2.61	3.2	142	16.5	22.3	2990	16.1	0.005
R614405		2.89	2.7	95	5.0	13.7	1900	37.8	0.116
R614406		2.33	5.0	55	8.0	8.4	3460	22.4	1.725
R614407		5.05	2.0	97	6.7	6.3	281	40.5	0.410
R614408		3.82	3.9	78	4.6	6.1	8600	15.0	0.927
R614409		0.02	0.6	1	0.1	0.7	29	<0.5	<0.005
R614410		4.74	3.7	146	7.1	13.1	774	27.2	0.028
R614411		3.78	3.7	133	6.4	15.7	1540	18.4	0.148
R614412		2.78	3.7	95	6.3	14.2	1400	16.0	0.131
R614413		1.97	3.6	67	4.5	13.3	1260	14.5	0.139
R614414		0.02	0.8	2	0.1	0.8	19	<0.5	<0.005
R614415		2.07	2.5	158	2.2	23.4	620	86.0	<0.005
R614416		0.75	2.4	156	1.3	19.8	115	72.4	<0.005
R614417		0.76	2.6	150	1.0	22.5	118	91.4	<0.005
R614418		2.00	2.5	136	2.4	17.1	1310	10.2	0.030
R614419		1.88	4.2	101	5.4	17.6	296	8.7	0.028
R614420		3.90	2.6	126	4.0	16.2	445	9.0	0.028
R614421		1.51	2.2	132	1.7	16.9	166	10.1	0.009
R614422		2.21	5.2	56	4.4	9.6	>10000	33.5	4.25
R614423		2.61	4.9	114	3.8	18.6	142	9.2	0.041
R614424		3.61	2.9	133	5.7	18.5	1320	24.5	0.018
R614425		2.81	2.3	112	5.0	21.3	407	19.0	0.039
R614426		2.87	2.1	108	3.2	14.6	1240	17.2	0.064
R614427		2.71	2.0	93	4.8	14.3	1320	11.1	0.169
R614428		3.74	2.2	128	3.8	18.4	1130	12.1	0.024
R614429		3.02	2.2	128	3.3	18.5	871	12.5	0.018
R614430		2.95	2.1	129	3.2	18.5	873	12.1	0.016
R614431		3.57	2.2	123	6.1	15.9	605	9.7	0.074
R614432		1.78	4.0	92	5.5	19.1	997	189.5	0.026
R614433		2.39	3.7	92	2.5	14.8	305	199.0	0.006
R614434		2.28	3.7	94	2.5	15.4	292	177.5	0.028
R614435		2.20	1.5	132	1.5	16.5	202	12.4	0.016
R614436		1.61	1.5	148	1.9	18.7	1010	13.1	0.012
R614437		1.96	1.6	136	1.5	17.1	379	12.7	0.021
R614438		2.65	2.1	122	3.2	18.8	437	12.2	0.018

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 30-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126414

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126415

Project: Klaza

P.O. No.: Batch 72

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

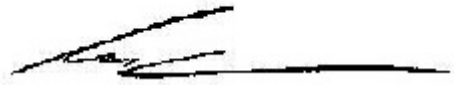
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126415

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
S047910		2.70				17.55	6.71	982	980	1.68	8.32	1.37	30.5	48.9	7.2	18
S047911		2.70				0.97	6.77	513	1740	1.88	0.36	1.84	5.42	47.3	4.7	15
S047912		5.38				0.14	7.55	16.7	2350	1.72	0.17	2.37	0.44	57.1	4.6	16
S047913		2.32				0.44	6.47	33.5	1240	1.44	0.73	3.25	0.97	73.4	11.4	17
S047914		4.66				0.11	7.41	11.6	2460	1.58	0.18	2.44	0.94	67.0	3.8	16
S047915		2.70				0.08	6.53	14.0	800	1.41	0.12	2.00	0.79	41.6	5.2	17
S047916		0.94				0.04	7.20	12.2	1460	1.13	0.12	1.73	0.68	46.2	5.0	14
S047917		2.50				5.35	5.83	852	550	1.26	1.03	2.19	14.50	47.3	6.4	17
S047918		3.34				0.23	7.64	33.1	1960	1.35	0.67	0.93	1.88	56.7	6.7	20
S047919		0.30		118	1.575	>100	5.25	8290	270	0.96	60.3	1.91	228	34.5	8.7	19
S047920		6.56				0.05	7.20	10.5	1550	1.54	0.14	1.67	0.95	44.2	5.1	20
S047921		5.96				0.07	7.44	10.9	2020	1.32	0.14	1.48	0.27	49.4	6.3	17
S047922		2.00				4.83	6.21	190.5	520	1.74	2.71	1.64	29.7	46.6	9.4	18
S047923		6.32				0.01	0.06	<0.2	250	0.07	0.02	21.2	0.07	1.11	0.6	3
S047924		2.92				0.10	6.95	10.0	1880	1.39	0.15	1.73	0.25	46.0	5.2	21
S047925		10.52				0.08	7.29	11.2	2320	1.15	0.12	1.62	0.37	44.7	5.7	18
S047926		3.44				3.08	6.61	152.0	2270	1.86	1.80	1.91	10.85	49.9	7.5	17
S047927		4.56				0.14	7.23	9.6	2130	1.26	0.13	1.56	0.47	41.5	6.1	15
S047928		6.32				0.27	6.77	26.0	2090	1.38	0.29	1.93	0.21	46.4	9.7	16
S047929		5.86				0.14	6.82	8.3	1900	1.53	0.22	2.40	0.12	48.9	9.5	15
S047930		2.08				10.30	6.68	885	540	1.72	8.48	1.42	34.6	47.9	8.3	20
S047931		2.10				0.17	7.20	20.4	2890	1.42	0.13	1.45	0.80	43.2	6.2	15
S047932		<0.02				0.18	7.37	17.5	2980	1.34	0.14	1.49	1.02	44.9	6.6	20
S047933		3.44				0.18	7.55	11.0	2330	1.44	0.11	1.50	0.17	38.2	6.2	15
S047934		2.66				0.20	6.78	21.4	2420	2.05	0.41	2.14	0.50	62.6	5.9	17
S047935		0.30		117	1.560	>100	5.26	8180	250	1.22	64.7	1.89	223	33.4	9.4	19
S047936		3.44				3.22	7.29	750	1880	2.19	2.27	1.52	8.43	66.4	9.0	25
S047937		1.62				0.32	7.26	47.8	1410	1.64	0.41	3.34	0.43	69.5	10.1	21
S047938		5.10				0.12	6.27	13.3	2240	1.70	0.14	2.89	0.13	43.6	5.5	14
S047939		6.24				0.02	0.08	0.7	20	0.07	0.01	20.4	0.08	1.08	0.7	2
S047940		4.78				0.15	6.87	12.8	990	1.77	0.12	3.03	0.17	52.9	6.0	11
S047941		3.46				8.43	6.58	191.0	700	1.87	5.77	3.31	15.60	47.9	8.9	10
S047942		0.30				38.3	5.46	2480	140	1.09	32.5	1.60	44.1	34.7	16.2	23
S047943		2.24	9.85	192		>100	4.52	7660	450	0.89	88.4	1.08	33.6	29.6	24.6	17
S047944		3.82				4.29	6.89	216	510	1.49	2.87	1.26	11.35	52.9	12.3	19
S047945		3.60				0.48	6.98	30.8	2680	1.29	0.56	2.50	0.37	48.4	6.6	21

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Finalized Date: 4-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126415

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047910		11.60	1340	6.64	13.80	0.10	1.0	0.826	3.05	23.4	17.6	0.60	1840	8.64	0.03	6.1
S047911		21.5	35.8	3.52	14.30	0.10	0.9	0.178	3.00	24.2	20.2	0.64	2790	1.30	0.04	6.5
S047912		17.10	5.8	3.13	16.10	0.12	1.0	0.053	2.95	28.5	33.4	0.74	646	1.01	1.89	7.8
S047913		9.61	5.1	4.71	15.50	0.11	0.8	0.101	2.45	37.4	21.5	0.83	1360	0.94	0.93	6.2
S047914		10.30	4.3	3.25	15.15	0.12	0.9	0.042	2.52	31.6	17.7	0.65	527	0.88	1.82	7.5
S047915		12.10	3.8	2.48	14.10	0.11	1.0	0.036	1.01	19.9	560	0.51	936	1.93	0.03	8.0
S047916		11.10	7.2	2.41	14.55	0.10	1.0	0.034	1.00	22.5	600	0.48	849	1.59	0.03	7.6
S047917		12.75	131.5	3.74	12.10	0.10	0.8	0.202	2.19	25.4	95.8	0.59	1520	3.49	0.03	5.5
S047918		20.9	10.0	2.93	15.35	0.10	1.1	0.046	0.98	29.6	221	0.36	784	1.86	0.02	7.7
S047919		10.95	1255	7.98	12.60	0.09	1.0	4.57	2.24	17.2	28.5	0.62	3050	14.30	0.08	5.3
S047920		20.3	6.9	2.59	16.60	0.10	1.1	0.039	1.75	21.8	240	0.40	616	1.60	0.24	8.4
S047921		17.40	5.0	2.71	16.75	0.12	1.2	0.036	2.21	24.7	200	0.44	588	1.26	0.49	8.7
S047922		17.65	164.5	3.77	14.35	0.14	1.2	0.824	2.06	23.8	188.5	0.61	808	2.05	0.04	6.6
S047923		0.16	1.9	0.47	0.22	0.11	<0.1	0.005	0.02	0.6	1.6	13.30	204	0.13	<0.01	0.1
S047924		23.0	9.0	2.83	17.75	0.17	1.3	0.039	2.89	21.6	144.5	0.53	575	1.90	0.22	8.9
S047925		14.85	11.0	2.81	17.05	0.17	1.2	0.042	2.59	22.0	98.5	0.51	669	2.12	0.15	8.3
S047926		22.4	102.0	3.18	14.95	0.16	1.1	0.283	2.66	28.2	81.6	0.76	1180	2.03	0.05	6.6
S047927		13.95	21.5	2.81	17.40	0.14	1.4	0.053	2.88	19.4	41.7	0.46	656	1.90	0.13	8.8
S047928		16.75	41.1	2.62	16.35	0.14	1.1	0.056	2.58	21.0	93.0	0.54	603	2.39	0.27	7.7
S047929		13.90	9.2	2.94	17.10	0.15	1.3	0.052	2.59	23.8	30.0	0.59	516	1.37	1.08	8.6
S047930		14.50	205	4.38	14.90	0.12	0.9	0.837	3.00	25.7	27.4	0.63	1170	1.94	0.08	6.1
S047931		13.00	8.4	2.82	16.45	0.10	1.2	0.059	2.91	20.3	48.4	0.46	815	1.42	0.14	8.0
S047932		13.80	10.0	2.89	17.25	0.16	1.2	0.072	2.97	21.9	51.0	0.48	839	1.78	0.14	8.5
S047933		13.10	13.3	2.74	18.80	0.12	1.3	0.051	2.89	17.5	43.6	0.35	532	1.57	0.14	9.3
S047934		19.80	15.2	2.55	19.50	0.15	3.8	0.033	2.57	32.2	229	0.77	531	3.69	0.05	10.5
S047935		11.65	1250	7.96	13.45	0.11	1.1	4.72	2.24	16.3	32.9	0.62	3010	15.80	0.08	5.5
S047936		17.30	161.0	4.21	17.95	0.11	3.2	0.149	1.94	36.2	296	0.83	761	7.83	0.03	9.3
S047937		16.40	6.0	2.80	15.90	0.13	1.0	0.058	2.52	40.7	73.4	1.11	979	1.80	0.07	7.2
S047938		16.90	8.3	2.47	15.75	0.11	1.0	0.038	2.31	21.3	165.0	0.71	594	2.78	0.10	7.5
S047939		0.51	2.2	0.45	0.28	0.18	<0.1	0.006	0.04	0.5	1.6	12.80	208	0.05	<0.01	0.2
S047940		34.2	7.2	2.54	18.90	0.19	3.3	0.029	2.50	27.5	124.0	0.85	590	0.89	0.06	9.9
S047941		32.7	225	3.41	17.20	0.12	2.7	0.469	2.38	25.1	101.5	0.78	959	2.30	0.04	8.5
S047942		9.83	1130	8.81	14.00	0.09	0.8	1.530	2.49	16.8	14.4	0.65	2240	17.25	0.06	4.7
S047943		9.62	6870	11.55	10.90	0.11	1.1	2.96	1.88	14.5	47.6	0.49	1100	2.25	0.03	4.7
S047944		14.40	87.9	4.18	16.10	0.13	1.1	0.376	3.12	26.1	44.2	0.53	873	1.35	0.05	6.9
S047945		19.20	18.3	2.98	16.10	0.12	1.0	0.052	3.32	26.0	27.4	0.69	758	1.73	1.19	7.4

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126415

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047910		3.8	510	1035	195.5	<0.002	5.93	162.0	8.6	1	6.1	54.1	0.85	0.30	10.80	0.201
S047911		2.6	520	233	164.0	<0.002	1.43	20.3	9.2	1	2.3	77.5	1.17	<0.05	11.65	0.217
S047912		2.7	610	22.4	125.0	<0.002	0.08	5.36	10.6	1	1.8	310	0.98	<0.05	12.90	0.252
S047913		4.4	600	43.3	114.5	<0.002	1.94	5.05	10.1	1	3.2	195.0	0.82	0.25	11.05	0.197
S047914		2.8	610	14.8	109.5	<0.002	0.11	5.70	10.2	1	2.7	278	0.80	<0.05	12.05	0.240
S047915		2.7	720	16.0	38.3	<0.002	0.09	52.4	9.2	1	1.6	285	0.86	<0.05	10.85	0.241
S047916		3.3	720	15.4	39.4	<0.002	0.13	41.1	8.6	1	1.8	306	0.81	<0.05	12.25	0.229
S047917		2.7	440	766	133.5	<0.002	1.80	78.7	8.2	1	2.6	100.5	0.50	0.06	11.45	0.178
S047918		2.3	610	35.0	62.8	<0.002	0.35	43.6	10.0	1	1.5	183.0	0.71	0.33	15.60	0.237
S047919		13.6	460	9740	135.0	0.002	7.01	215	7.2	1	7.8	119.5	0.43	0.51	8.14	0.183
S047920		2.5	610	18.9	69.9	0.002	0.06	32.1	9.3	1	1.7	203	0.74	<0.05	12.65	0.248
S047921		2.7	650	16.9	93.7	<0.002	0.12	28.1	9.5	1	1.8	231	0.72	<0.05	14.45	0.252
S047922		2.9	520	499	118.0	<0.002	1.94	88.5	7.9	1	3.0	144.0	0.58	0.13	10.70	0.191
S047923		1.6	190	1.7	1.0	0.002	0.01	0.18	0.1	1	<0.2	51.3	<0.05	<0.05	0.09	<0.005
S047924		2.2	570	16.2	105.0	<0.002	0.04	21.4	9.6	1	2.0	131.5	0.76	<0.05	14.35	0.243
S047925		2.6	600	14.6	99.6	<0.002	0.10	23.7	9.5	1	2.1	128.0	0.72	<0.05	13.35	0.251
S047926		2.4	510	293	154.5	0.002	0.86	47.9	8.7	1	2.1	111.0	0.67	<0.05	11.80	0.209
S047927		2.1	610	17.0	106.5	<0.002	0.04	14.30	10.2	1	1.8	102.0	0.78	<0.05	13.90	0.260
S047928		2.4	560	20.4	98.3	0.003	0.43	31.0	9.2	1	2.0	140.0	0.62	<0.05	11.85	0.236
S047929		2.6	560	17.3	98.8	0.002	0.31	6.60	10.3	1	1.9	201	0.73	0.05	13.65	0.243
S047930		2.4	450	1325	169.5	0.005	2.77	50.9	7.7	1	6.1	69.9	0.52	0.11	11.25	0.183
S047931		2.2	590	25.2	111.0	<0.002	0.12	21.6	9.5	1	1.7	109.5	0.69	<0.05	11.45	0.246
S047932		2.3	600	24.4	120.0	<0.002	0.12	22.5	10.1	1	1.9	113.5	0.71	<0.05	12.05	0.251
S047933		2.2	630	18.4	108.0	<0.002	0.03	16.90	11.0	1	2.3	103.0	0.74	<0.05	11.80	0.282
S047934		4.5	1010	29.9	91.9	<0.002	0.12	13.40	5.1	1	2.3	374	0.67	<0.05	9.09	0.300
S047935		14.5	460	9600	136.5	0.003	6.97	209	7.1	1	8.9	120.0	0.46	0.56	8.19	0.180
S047936		7.0	1120	573	109.5	<0.002	1.41	34.6	7.2	1	4.3	473	0.60	0.08	9.66	0.304
S047937		2.6	580	59.7	157.0	<0.002	0.58	7.81	9.4	1	2.5	242	0.56	0.16	13.05	0.236
S047938		2.0	540	21.5	84.0	<0.002	0.14	8.12	9.1	1	2.2	223	0.57	<0.05	10.85	0.224
S047939		1.7	170	1.6	2.8	<0.002	<0.01	0.07	0.3	1	<0.2	41.4	<0.05	<0.05	0.10	<0.005
S047940		3.6	750	19.2	98.7	<0.002	0.07	10.75	8.1	1	1.5	327	0.72	<0.05	10.40	0.293
S047941		3.9	640	570	114.5	0.002	1.77	39.9	7.8	1	2.7	285	0.65	0.15	9.93	0.252
S047942		14.2	430	1610	145.5	0.003	7.68	107.0	7.7	2	10.8	61.9	0.37	0.73	8.64	0.163
S047943		2.9	320	1805	111.5	0.003	>10.0	235	6.1	3	6.6	70.7	0.38	2.26	6.87	0.141
S047944		2.4	530	401	179.5	0.003	3.17	9.78	9.0	1	4.8	88.5	0.57	0.43	12.30	0.218
S047945		2.5	560	47.9	151.5	<0.002	0.26	4.61	9.6	1	1.7	305	0.59	0.05	14.15	0.237

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126415

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047910		2.76	4.9	57	4.4	10.5	2630	29.8	0.702
S047911		3.05	4.2	60	3.4	12.9	495	24.8	0.098
S047912		1.41	4.4	68	1.5	17.0	93	28.6	0.006
S047913		1.72	5.1	70	1.3	13.7	169	23.0	0.023
S047914		1.31	4.6	66	1.5	14.4	218	24.8	<0.005
S047915		0.71	3.0	55	6.0	13.7	183	26.7	<0.005
S047916		0.69	2.3	52	5.8	13.1	173	29.5	<0.005
S047917		1.92	3.1	53	4.0	13.1	1150	21.4	0.171
S047918		0.82	2.0	60	8.6	15.7	300	29.2	0.157
S047919		2.20	5.0	52	4.4	8.6	>10000	32.9	4.39
S047920		0.94	2.4	60	4.5	13.5	160	28.0	<0.005
S047921		1.11	3.7	62	7.6	15.4	131	30.2	<0.005
S047922		1.62	8.6	53	3.9	13.5	2350	31.3	0.164
S047923		0.02	0.6	1	0.1	0.8	18	<0.5	<0.005
S047924		1.28	4.9	62	4.1	15.7	145	33.3	<0.005
S047925		1.22	3.5	64	4.6	15.1	128	28.1	<0.005
S047926		2.31	4.9	58	4.1	13.2	902	28.7	0.202
S047927		1.37	2.8	68	6.2	15.0	107	31.2	<0.005
S047928		1.42	4.0	65	3.3	14.3	108	26.7	<0.005
S047929		1.24	3.6	65	2.3	16.1	131	31.1	0.006
S047930		2.36	6.2	53	4.3	10.6	2780	22.0	0.315
S047931		1.40	3.0	63	5.1	14.5	136	27.3	0.006
S047932		1.46	3.1	65	4.9	15.7	141	28.7	0.005
S047933		1.25	2.3	73	7.1	13.7	79	31.1	<0.005
S047934		1.32	4.4	50	2.0	9.7	105	149.0	0.008
S047935		2.33	5.0	51	4.9	8.8	>10000	31.5	4.58
S047936		1.48	4.0	63	3.4	11.0	951	126.0	0.778
S047937		1.99	6.7	64	1.9	15.6	75	26.5	0.006
S047938		1.32	3.6	61	3.1	14.0	47	25.7	0.008
S047939		0.02	0.6	2	0.3	0.8	15	<0.5	<0.005
S047940		1.46	4.7	71	2.4	14.8	73	125.5	<0.005
S047941		1.91	7.3	63	2.9	14.9	1400	94.9	0.437
S047942		2.16	5.1	55	7.4	8.7	3280	22.4	1.725
S047943		1.81	3.0	42	3.1	8.5	2320	30.6	10.0
S047944		2.68	4.3	62	5.2	10.7	922	25.6	0.106
S047945		1.98	4.9	64	2.7	15.4	68	26.2	0.019

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126415

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	BAG-01
CRU-32	CRU-QC	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126417

Project: Klaza

P.O. No.: Batch 73

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

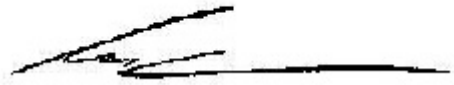
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126417

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614439		3.72			5.91	8.19	586	900	1.52	0.39	1.90	13.00	57.0	10.8	24	14.15
R614440		3.52			4.14	7.21	606	800	2.97	0.18	2.51	16.50	75.7	17.8	112	10.45
R614441		7.68			0.65	7.29	112.0	1330	3.00	0.14	4.35	1.59	72.7	12.0	93	8.66
R614442		12.96			1.53	6.94	208	620	3.31	1.03	4.74	6.01	70.1	11.4	85	10.30
R614443		0.30	118	1.555	>100	5.42	8340	460	1.14	59.3	2.02	234	32.7	9.1	18	11.15
R614444		4.44			2.29	6.13	251	210	2.23	0.53	6.12	4.67	64.4	12.2	74	11.85
R614445		7.34			1.69	7.51	302	910	2.29	0.19	3.75	4.29	60.3	12.4	49	18.65
R614446		3.56			1.02	7.92	45.6	1280	1.27	0.08	4.29	0.58	50.6	11.6	20	15.60
R614447		1.52			1.12	7.75	46.0	1240	1.30	0.08	4.83	0.74	52.2	11.3	19	17.55
R614448		3.44			0.88	7.47	163.5	690	2.05	0.21	2.87	1.35	54.0	13.4	30	24.8
R614449		3.56			5.45	8.28	47.5	1290	1.54	0.11	4.01	0.51	55.7	12.1	22	23.3
R614450		1.62			1.45	7.77	144.0	720	1.57	0.51	3.68	2.01	54.9	11.8	20	28.1
R614451		3.88			0.56	8.52	156.0	1150	1.32	0.44	1.31	1.86	40.2	12.8	21	15.70
R614452		0.30			38.2	5.99	2610	970	1.17	34.9	1.77	43.6	33.0	16.4	23	9.79
R614453		3.08			0.44	8.22	637	110	1.11	0.43	0.94	0.49	46.9	13.6	19	23.5
R614454		2.44			1.27	7.18	1110	2050	0.99	0.29	0.65	1.67	47.4	11.7	18	20.7
R614455		3.44			0.34	8.39	842	90	1.08	0.15	0.92	0.25	46.1	16.5	20	14.45
R614456		3.90			0.29	7.82	170.5	310	1.43	0.15	3.26	0.24	31.4	16.4	23	12.30
R614457		2.12			0.30	8.32	33.4	1460	1.37	0.25	3.41	0.55	55.1	11.7	17	32.8
R614458		3.44			0.30	8.94	10.1	1700	1.71	0.18	4.08	0.33	56.8	12.1	20	18.35
R614459		8.24			0.21	8.26	8.0	1650	1.63	0.20	3.96	0.17	56.6	11.0	20	23.7
R614460		7.14			0.01	0.08	<0.2	40	0.08	0.03	22.0	0.08	1.20	0.7	1	0.52
R614461		4.02			0.34	8.53	581	1890	1.64	1.15	2.12	1.88	47.1	11.1	18	21.4
R614462		3.58			1.21	8.21	52.4	2110	1.47	6.70	3.08	0.34	55.5	15.1	23	23.2
R614463		2.84			2.96	5.64	165.5	60	0.97	21.4	1.26	0.32	24.0	45.1	15	11.00
R614464		3.18			0.55	9.56	34.0	2690	1.44	3.89	0.69	0.16	54.5	13.4	19	17.40
R614465		2.66			0.45	8.20	29.9	2180	1.33	2.96	2.21	0.12	44.8	11.7	19	17.35
R614466		<0.02			0.47	8.68	30.4	2170	1.37	2.97	2.20	0.15	53.4	12.3	19	17.70
R614467		3.02			1.18	8.08	78.6	410	1.25	11.10	2.49	0.16	48.4	28.5	19	16.30
R614468		3.28			0.31	8.50	19.9	1570	1.63	0.42	3.30	0.23	50.5	14.9	21	26.5
R614469		2.82			0.54	6.80	204	1090	1.15	0.72	4.02	0.24	31.0	13.5	18	22.6
R614470		6.06			<0.01	0.05	<0.2	30	0.05	0.02	22.4	0.07	1.18	0.7	1	0.15
R614471		1.94			0.67	6.74	639	590	1.05	0.54	2.34	1.33	31.6	10.8	16	13.90
R614472		1.88			0.43	8.25	424	50	1.09	0.76	2.12	0.48	33.3	16.9	25	11.45
R614473		1.50			0.77	7.69	1500	110	1.23	2.75	0.56	5.48	47.9	24.3	20	16.05
R614474		3.92			0.52	7.40	265	1300	1.23	1.41	2.04	0.49	33.1	11.0	18	18.65

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126417

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614439		28.0	4.14	19.95	0.22	0.6	0.070	3.64	28.1	29.9	0.80	2710	4.48	0.06	8.7	5.9
R614440		20.5	4.87	19.65	0.23	5.3	0.050	2.25	36.1	83.0	0.58	3950	6.38	0.05	17.0	54.1
R614441		15.8	3.24	17.95	0.23	4.8	0.059	3.07	37.5	39.4	1.41	2440	4.24	0.09	15.2	43.6
R614442		25.0	3.68	17.40	0.20	4.4	0.257	2.31	37.1	57.3	1.62	2490	4.70	0.04	14.4	41.5
R614443		1270	8.25	12.60	0.20	1.0	4.37	2.34	16.6	32.7	0.65	3110	14.15	0.08	5.4	13.9
R614444		28.9	3.46	15.10	0.20	3.8	0.178	1.34	34.6	88.2	1.42	3120	5.38	0.02	12.4	38.1
R614445		31.7	4.12	18.15	0.21	1.7	0.126	2.46	30.6	38.4	0.79	3250	4.76	0.06	10.2	21.1
R614446		32.3	3.94	18.25	0.19	0.7	0.065	2.04	24.3	31.1	0.93	2170	3.99	0.08	8.4	6.6
R614447		32.2	4.03	17.90	0.19	0.6	0.062	1.95	25.9	28.8	1.04	2300	3.67	0.08	8.1	6.7
R614448		20.0	3.94	17.25	0.21	1.3	0.055	1.59	28.1	65.6	1.10	2060	3.77	0.05	8.1	9.6
R614449		24.0	3.57	19.40	0.22	1.0	0.050	2.23	28.1	42.5	1.26	1180	2.84	0.32	8.5	5.2
R614450		26.4	4.34	17.70	0.22	0.9	0.208	3.19	28.5	46.4	1.45	6060	3.60	0.06	7.7	4.6
R614451		35.2	4.11	21.2	0.18	1.1	0.071	1.83	18.2	46.6	0.27	2180	3.38	0.18	9.3	6.3
R614452		1225	9.53	13.35	0.19	0.8	1.495	2.77	18.3	17.2	0.72	2360	17.00	0.06	4.6	14.0
R614453		33.9	3.82	19.60	0.17	1.2	0.069	0.45	23.5	94.7	0.23	3160	4.50	0.02	8.6	6.1
R614454		32.7	3.74	17.40	0.15	0.9	0.078	0.65	24.1	86.2	0.11	3990	8.52	0.02	7.3	6.7
R614455		45.1	4.39	18.65	0.18	0.8	0.076	0.27	22.2	96.9	0.27	4050	4.65	0.01	7.6	6.9
R614456		44.5	4.72	22.6	0.15	1.2	0.078	0.47	13.1	62.1	0.41	1840	3.49	0.03	8.8	8.0
R614457		31.6	4.22	20.8	0.22	1.1	0.071	2.57	26.4	33.3	0.80	1030	1.97	0.49	8.9	4.9
R614458		31.9	4.60	21.2	0.23	1.2	0.059	2.73	28.4	16.6	1.28	943	2.40	2.61	9.1	6.0
R614459		31.2	4.18	19.90	0.21	1.1	0.062	2.61	28.1	14.1	1.28	909	2.26	2.56	8.5	5.5
R614460		2.3	0.47	0.28	0.16	<0.1	<0.005	0.03	0.6	1.7	13.70	208	0.09	0.01	0.2	1.6
R614461		24.4	3.55	19.70	0.23	1.0	0.103	3.15	21.8	60.9	0.53	755	2.10	0.78	8.8	5.4
R614462		24.3	4.76	21.0	0.20	1.2	0.179	3.63	26.6	24.5	1.14	827	2.82	1.03	8.1	7.6
R614463		57.9	15.55	18.45	0.19	0.6	0.141	1.50	10.6	30.5	0.49	1180	3.35	0.06	5.7	8.0
R614464		12.9	3.41	21.1	0.20	0.8	0.141	4.27	28.1	34.3	0.33	520	3.81	0.14	9.2	5.2
R614465		14.8	3.10	19.65	0.22	1.0	0.115	4.04	20.4	33.8	0.59	753	3.03	0.16	8.6	4.2
R614466		15.1	3.12	20.1	0.22	1.0	0.115	4.12	25.9	34.3	0.62	762	3.09	0.15	8.7	4.4
R614467		13.3	5.59	16.80	0.24	0.8	0.096	3.90	24.1	26.4	0.79	570	3.13	0.31	7.5	6.4
R614468		35.3	4.91	19.40	0.22	0.9	0.096	2.61	25.4	30.3	1.52	850	2.93	1.69	8.1	7.2
R614469		63.6	3.57	20.9	0.18	0.7	0.124	1.58	12.4	36.1	0.33	1660	3.55	0.07	8.6	5.9
R614470		2.2	0.51	0.19	0.21	<0.1	<0.005	0.02	0.6	0.9	14.15	214	0.07	0.01	0.1	1.5
R614471		43.3	4.41	16.15	0.15	0.7	0.114	1.11	13.5	61.0	0.53	5800	4.14	0.03	6.7	11.6
R614472		42.3	4.56	20.4	0.15	1.3	0.130	0.20	14.1	82.5	0.41	3820	3.77	0.01	7.6	10.0
R614473		50.9	5.68	18.30	0.18	0.8	0.173	0.99	24.0	68.5	0.19	3700	4.59	0.02	7.0	9.1
R614474		44.8	3.54	20.2	0.17	0.5	0.143	2.24	14.0	39.6	0.44	1260	4.37	0.09	8.8	6.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126417

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614439		870	258	173.5	<0.002	1.04	22.2	15.3	1	2.1	75.4	0.53	0.42	10.55	0.407	3.96
R614440		2860	130.0	76.6	<0.002	0.75	24.9	10.7	1	3.0	199.0	0.88	0.37	8.95	0.516	2.27
R614441		2510	38.9	103.0	<0.002	0.80	13.30	8.4	1	2.7	271	0.82	0.12	8.92	0.431	2.16
R614442		2320	148.5	107.5	<0.002	1.39	13.50	8.2	1	3.3	215	0.78	0.36	9.09	0.413	2.22
R614443		470	9690	127.5	<0.002	7.27	222	7.2	1	8.2	120.5	0.39	0.40	8.05	0.185	2.20
R614444		2110	89.4	63.6	<0.002	1.29	22.5	8.1	1	2.5	317	0.64	0.65	7.46	0.393	1.50
R614445		1520	283	107.0	<0.002	0.94	21.9	12.1	1	2.1	153.0	0.59	0.10	8.39	0.432	2.59
R614446		960	69.1	68.5	<0.002	0.42	16.90	14.3	1	1.4	197.5	0.51	<0.05	8.78	0.432	1.28
R614447		950	64.5	67.1	<0.002	0.38	18.35	14.4	1	1.4	211	0.49	<0.05	8.51	0.426	1.26
R614448		1100	62.2	75.5	<0.002	0.47	25.4	13.7	1	1.4	148.5	0.48	0.06	8.07	0.413	2.46
R614449		980	25.7	90.1	<0.002	0.15	17.00	15.2	1	1.4	275	0.52	<0.05	9.13	0.448	1.67
R614450		870	113.5	174.0	<0.002	1.14	18.75	12.0	<1	1.8	130.5	0.50	0.20	9.55	0.368	2.92
R614451		980	95.0	61.8	<0.002	0.15	18.60	14.7	1	1.1	164.5	0.61	0.05	10.10	0.435	2.55
R614452		470	1710	143.0	0.003	8.26	102.0	8.1	2	10.3	62.3	0.34	0.66	8.37	0.176	2.15
R614453		790	24.5	34.4	<0.002	0.20	35.6	13.0	1	1.0	96.7	0.53	<0.05	9.54	0.404	2.61
R614454		710	43.6	49.0	<0.002	0.94	73.8	10.3	1	1.1	75.0	0.45	<0.05	8.37	0.346	4.01
R614455		930	14.0	21.7	<0.002	0.20	34.2	15.2	1	1.2	75.3	0.45	<0.05	7.32	0.453	2.78
R614456		1110	17.1	10.4	<0.002	0.15	23.2	16.1	<1	1.4	128.0	0.54	<0.05	5.74	0.499	3.15
R614457		950	24.5	93.6	<0.002	0.11	15.70	14.0	<1	0.9	274	0.59	<0.05	10.95	0.425	2.16
R614458		990	17.6	106.0	<0.002	0.01	4.02	14.1	1	0.9	654	0.59	<0.05	10.60	0.435	1.40
R614459		930	15.0	106.5	<0.002	0.04	4.63	13.9	1	0.8	629	0.54	<0.05	11.20	0.407	1.33
R614460		170	1.2	2.2	<0.002	<0.01	0.10	0.2	<1	<0.2	51.8	<0.05	<0.05	0.08	<0.005	0.02
R614461		970	38.5	122.0	<0.002	0.34	14.00	14.2	1	1.2	281	0.57	0.06	10.85	0.430	2.61
R614462		1100	26.3	150.5	<0.002	1.76	11.25	20.0	1	3.0	308	0.49	0.30	9.22	0.487	4.28
R614463		650	36.0	82.0	<0.002	>10.0	12.70	11.2	2	2.6	51.6	0.36	1.44	5.12	0.300	2.45
R614464		1050	20.7	181.0	<0.002	0.86	10.15	14.5	1	2.7	155.0	0.59	0.15	10.95	0.461	4.15
R614465		980	17.1	165.5	<0.002	0.88	9.61	13.5	1	2.1	144.0	0.55	0.12	9.71	0.416	4.59
R614466		990	17.0	178.0	<0.002	0.90	9.85	13.3	1	2.1	143.0	0.56	0.13	10.45	0.414	4.65
R614467		940	21.0	190.0	<0.002	3.68	15.75	13.5	1	2.2	136.0	0.48	0.49	8.60	0.401	5.68
R614468		1040	16.2	116.0	<0.002	0.24	7.14	15.9	1	1.7	469	0.49	<0.05	8.51	0.466	2.37
R614469		1000	20.1	41.4	<0.002	0.31	16.45	14.5	1	1.6	139.5	0.53	<0.05	6.31	0.468	1.76
R614470		170	1.3	0.8	<0.002	<0.01	0.12	0.2	<1	<0.2	51.2	<0.05	<0.05	0.07	<0.005	0.02
R614471		840	31.0	41.3	<0.002	0.85	43.8	12.0	<1	1.6	81.4	0.50	<0.05	5.37	0.400	2.44
R614472		1040	16.1	8.3	<0.002	0.33	32.6	15.9	1	2.1	90.3	0.55	<0.05	5.16	0.508	1.03
R614473		790	64.7	100.5	<0.002	0.25	46.4	15.5	1	3.3	68.8	0.52	0.14	7.24	0.399	2.94
R614474		900	23.7	69.6	<0.002	0.49	21.0	12.0	1	2.4	161.5	0.67	<0.05	7.62	0.401	3.50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126417

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614439		4.4	126	6.5	16.4	541	14.0	0.065
R614440		5.4	111	4.4	17.2	998	207	0.043
R614441		4.2	89	3.0	13.5	260	175.5	0.019
R614442		4.9	85	3.1	13.8	441	195.0	0.051
R614443		5.0	53	4.4	8.4	>10000	31.0	4.45
R614444		5.6	86	4.0	13.9	552	147.5	0.059
R614445		3.7	119	6.0	15.8	563	62.1	0.024
R614446		3.5	124	14.4	16.5	195	18.3	<0.005
R614447		3.6	126	15.2	18.7	206	17.3	<0.005
R614448		4.6	125	8.9	17.7	236	40.1	0.009
R614449		3.1	135	35.1	19.2	110	27.4	<0.005
R614450		4.6	108	4.1	17.6	288	30.1	0.038
R614451		3.4	128	43.3	17.5	330	34.7	0.008
R614452		5.1	57	6.9	9.0	3430	22.4	1.765
R614453		4.1	117	42.8	15.3	126	39.3	0.014
R614454		4.9	99	16.9	14.5	158	27.3	0.074
R614455		3.2	144	68.5	17.1	86	21.3	0.018
R614456		2.6	160	34.4	13.8	103	34.9	0.010
R614457		3.1	125	10.4	20.9	97	33.3	0.006
R614458		3.2	126	1.8	21.2	112	38.4	<0.005
R614459		3.6	119	1.3	21.4	101	36.6	<0.005
R614460		0.5	2	0.1	0.8	17	<0.5	<0.005
R614461		3.1	126	8.6	18.3	354	32.7	0.023
R614462		2.6	151	3.8	21.6	90	37.3	0.031
R614463		2.9	98	4.9	14.0	134	18.7	0.213
R614464		2.6	130	11.9	18.7	55	21.5	0.269
R614465		2.4	122	8.6	18.7	64	28.6	0.428
R614466		2.5	121	8.8	19.8	64	28.9	0.431
R614467		2.3	122	6.6	16.4	63	21.4	0.465
R614468		2.2	143	2.5	17.5	90	26.4	0.027
R614469		3.0	147	13.1	16.8	93	16.4	0.049
R614470		0.5	2	0.1	0.9	15	<0.5	<0.005
R614471		3.0	120	28.8	14.9	147	18.7	0.048
R614472		2.9	163	53.0	13.7	163	37.9	0.068
R614473		4.4	126	30.5	21.7	518	17.5	0.048
R614474		3.4	117	16.6	14.2	108	10.3	0.082

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126417

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126419

Project: Klaza

P.O. No.: Batch 74

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

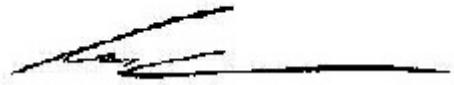
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126419

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
S047946		2.86					0.70	7.18	17.7	2260	1.84	0.33	2.84	2.82	49.8	7.5
S047947		1.06					0.82	7.29	16.0	2150	1.63	0.24	2.51	4.57	48.4	6.0
S047948		2.20					1.87	6.68	45.5	2310	1.63	1.71	2.66	0.51	44.0	9.8
S047949		2.82					0.26	7.05	12.1	2250	1.62	0.18	2.71	0.98	48.5	7.4
S047950		2.90					4.02	7.80	134.0	1120	1.72	1.78	2.56	33.1	53.2	5.5
R616151		2.30					9.85	6.77	847	620	1.49	8.12	1.79	15.80	45.7	8.7
R616152		6.04					0.02	0.06	0.9	30	0.07	0.03	21.7	0.12	1.37	0.7
R616153		3.22					0.11	7.17	8.2	2240	1.41	0.13	2.63	0.35	38.8	4.8
R616154		1.94				1.135	7.34	7.12	187.0	510	1.44	2.94	1.31	110.0	45.7	5.0
R616155		4.30					0.24	7.15	16.4	1860	1.65	0.14	2.83	1.41	45.7	6.0
R616156		2.00					4.05	7.85	199.0	680	1.55	3.66	2.10	12.60	48.1	9.0
R616157		2.58					11.60	7.27	522	340	1.64	7.22	2.19	95.0	48.7	8.3
R616158		6.14					0.02	0.07	0.4	20	0.06	0.03	21.9	0.15	1.49	0.7
R616159		4.12					0.11	7.83	14.4	1970	1.53	0.10	2.95	0.28	51.5	6.3
R616160		3.66					0.17	6.94	34.5	1380	1.31	0.12	2.22	0.27	41.1	5.9
R616161		0.36		122		1.580	>100	5.60	8430	1320	0.99	60.3	2.05	237	33.0	9.5
R616162		3.06					2.63	6.39	595	760	1.28	1.15	1.49	13.35	40.7	7.8
R616163		3.04					4.94	7.49	615	1530	1.55	1.58	2.13	16.75	40.2	5.8
R616164		2.38					45.4	6.95	1060	280	1.50	29.1	1.91	21.2	43.1	7.4
R616165		3.12					0.27	7.60	18.5	2420	1.76	0.30	3.01	0.26	48.8	5.6
R616166		0.40					11.90	7.07	1680	1120	1.53	13.10	2.04	33.6	49.4	19.2
R616167		2.48					3.93	6.59	59.6	1190	1.65	5.05	2.40	0.81	40.5	13.2
R616168		1.66					0.18	8.12	21.9	1260	1.72	0.28	2.06	0.62	44.5	5.0
R616169		3.28					6.64	7.96	147.5	780	2.30	3.75	2.21	19.55	63.8	10.3
R616170		2.96					0.70	7.72	44.0	1360	2.35	0.30	3.90	1.37	60.1	6.1
R616171		4.82					0.05	7.61	9.4	1110	1.96	0.12	3.44	0.17	59.4	4.9
R616172		3.66					1.08	7.17	36.7	1430	1.79	0.80	4.10	4.89	49.6	6.2
R616173		11.02					1.50	7.96	29.9	1440	1.83	0.84	1.83	11.60	76.7	8.4
R616174		3.54					1.05	6.94	756	1030	1.55	1.17	2.68	2.87	47.3	14.3
R616175		8.26					0.27	7.62	17.3	1710	1.62	0.47	2.47	0.39	48.0	4.6
R616176		<0.02					0.24	7.40	16.7	1750	1.44	0.43	2.42	0.36	43.0	4.4
R616177		8.16					1.34	7.58	65.5	1500	1.39	1.22	2.48	6.60	105.5	3.4
R616178		2.28	15.25	115	1.115	7.99	>100	5.12	3500	740	1.09	55.6	0.96	>1000	52.9	4.1
R616179		4.20					3.30	7.93	71.2	1490	1.50	0.85	1.13	51.4	122.0	3.5
R616180		2.72					70.1	6.28	715	370	1.32	138.5	0.63	30.0	49.8	10.7
R616181		2.34					0.50	7.96	19.2	950	1.55	0.47	2.29	4.63	64.9	3.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
S047946		18	18.55	22.6	3.16	16.20	0.19	1.5	0.068	3.17	25.6	26.5	0.85	851	1.88	1.61
S047947		16	17.15	19.7	3.10	15.05	0.19	1.1	0.071	3.21	25.0	28.8	0.75	823	2.29	1.55
S047948		14	19.90	11.1	3.24	15.65	0.19	1.1	0.050	2.72	21.3	89.9	0.75	657	2.16	1.46
S047949		17	12.45	10.0	2.97	15.80	0.21	1.2	0.039	3.07	24.7	14.1	0.71	800	1.52	1.95
S047950		17	13.75	66.3	3.76	15.95	0.21	1.4	0.674	2.82	29.3	104.5	0.96	2180	1.93	0.04
R616151		13	13.10	458	5.25	14.30	0.17	1.1	0.429	2.97	25.3	32.4	0.77	1190	2.26	0.04
R616152		1	0.16	2.2	0.47	0.18	0.16	<0.1	0.007	0.02	0.7	1.0	13.55	208	0.19	<0.01
R616153		14	15.85	4.9	2.76	15.15	0.21	1.1	0.034	2.88	19.6	40.7	0.69	605	1.65	1.54
R616154		16	9.86	402	5.36	15.10	0.18	1.0	1.815	3.29	24.8	22.3	0.77	1080	1.20	0.05
R616155		14	19.80	8.7	2.93	16.85	0.18	1.2	0.045	2.81	23.0	37.0	0.75	769	1.60	1.15
R616156		14	16.10	198.5	5.62	15.90	0.18	1.0	0.939	3.38	26.3	70.0	0.81	1620	2.84	0.06
R616157		13	21.3	147.0	5.12	15.80	0.19	1.3	1.385	3.08	27.0	59.5	0.82	1390	2.64	0.04
R616158		1	0.19	2.2	0.47	0.21	0.19	<0.1	0.006	0.03	0.8	0.9	13.50	204	0.08	0.01
R616159		15	19.35	8.3	2.99	16.00	0.23	1.2	0.038	3.07	27.0	28.4	0.77	725	1.54	1.59
R616160		15	22.0	11.5	2.73	15.15	0.19	1.1	0.033	2.42	20.5	80.7	0.71	1150	1.96	0.03
R616161		19	11.10	1325	8.43	12.20	0.19	1.1	4.52	2.40	17.4	24.1	0.66	3090	15.35	0.08
R616162		11	20.5	42.3	3.39	13.30	0.17	0.9	0.311	2.68	21.9	26.2	0.59	2000	14.30	0.03
R616163		13	19.95	75.3	3.61	16.05	0.18	1.1	0.362	3.40	20.1	71.5	0.56	1380	1.52	0.31
R616164		12	16.25	736	5.83	14.40	0.18	1.0	0.390	3.36	22.3	15.4	0.73	1670	3.23	0.27
R616165		16	14.05	23.8	3.14	16.25	0.19	1.2	0.047	2.98	25.0	10.8	0.66	559	1.80	2.38
R616166		20	14.45	302	7.08	16.15	0.21	1.2	0.859	3.13	26.7	19.1	0.84	1920	10.25	0.14
R616167		13	11.90	405	3.82	15.25	0.16	1.0	0.511	2.83	21.2	17.8	0.64	1890	2.88	0.07
R616168		12	28.9	16.8	3.29	17.90	0.18	1.3	0.072	3.05	21.9	38.9	0.80	1260	2.52	0.09
R616169		26	34.7	94.7	3.64	18.80	0.20	3.2	0.433	2.96	35.0	37.9	1.00	2020	28.9	0.08
R616170		30	37.5	21.8	2.17	19.20	0.23	4.2	0.069	2.43	33.6	39.5	1.14	668	6.79	0.21
R616171		18	44.0	6.3	2.23	18.80	0.22	2.3	0.025	2.74	31.6	83.0	1.09	518	0.63	0.07
R616172		21	33.7	58.9	2.16	16.70	0.21	2.5	0.180	2.19	26.1	98.8	0.93	904	10.15	0.07
R616173		12	16.30	25.3	3.00	16.35	0.21	1.2	0.216	2.93	49.1	128.5	0.75	1280	5.79	0.12
R616174		14	12.35	22.6	3.56	14.90	0.17	1.0	0.163	2.79	27.6	57.0	0.97	1190	3.09	0.07
R616175		14	11.90	13.1	2.34	16.25	0.18	1.1	0.048	2.55	25.5	89.5	0.70	751	4.72	0.06
R616176		13	11.00	12.6	2.28	15.25	0.15	1.0	0.047	2.50	22.5	83.6	0.68	735	3.85	0.05
R616177		12	9.51	15.0	2.96	15.05	0.20	0.9	0.239	3.19	71.2	19.7	0.89	1620	5.66	0.05
R616178		11	7.12	2430	9.56	13.40	0.17	0.6	31.3	2.52	28.5	4.9	0.48	1460	1.49	0.02
R616179		11	8.62	33.1	4.29	15.95	0.21	0.9	0.439	3.80	85.0	5.7	0.73	3100	1.11	0.04
R616180		11	11.10	134.5	12.90	14.45	0.19	0.8	1.085	2.93	31.6	5.7	0.50	1920	4.05	0.03
R616181		14	22.4	7.0	2.97	16.15	0.19	1.1	0.129	3.11	39.8	26.0	0.90	1360	4.27	0.05

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
S047946		7.8	3.2	610	226	133.5	<0.002	0.10	4.81	10.1	1	2.2	409	0.69	<0.05	12.45
S047947		7.2	2.7	580	390	134.5	<0.002	0.15	3.71	9.4	1	2.2	370	0.64	<0.05	12.25
S047948		8.0	2.8	680	67.5	98.0	<0.002	0.27	5.11	12.1	<1	1.9	316	0.65	0.53	10.60
S047949		7.7	2.7	590	77.0	125.0	<0.002	0.21	2.44	10.7	1	1.9	330	0.67	<0.05	13.10
S047950		7.5	2.5	610	945	164.5	<0.002	1.23	10.80	9.4	1	3.2	126.5	0.64	<0.05	11.85
R616151		6.3	2.7	520	1470	174.5	<0.002	3.66	42.1	8.2	1	6.1	71.5	0.53	0.24	10.05
R616152		0.1	1.6	190	3.5	1.1	<0.002	<0.01	0.18	0.2	<1	<0.2	51.4	<0.05	<0.05	0.11
R616153		7.2	2.3	580	34.9	103.5	<0.002	0.09	3.13	9.2	1	1.8	300	0.65	<0.05	10.35
R616154		6.1	2.4	580	2500	187.0	<0.002	3.77	16.35	9.8	1	6.7	53.6	0.50	0.15	10.30
R616155		8.2	2.7	620	132.0	105.0	<0.002	0.11	4.77	11.0	1	2.0	261	0.71	<0.05	11.65
R616156		7.2	2.9	580	578	185.0	<0.002	3.52	10.90	10.0	1	6.3	80.1	0.63	0.13	11.20
R616157		7.4	2.9	560	1380	161.0	<0.002	4.09	26.6	9.3	1	5.1	86.8	0.63	0.24	11.20
R616158		0.2	1.5	200	3.2	1.4	<0.002	<0.01	0.11	0.2	1	<0.2	51.6	<0.05	<0.05	0.11
R616159		7.8	2.5	620	21.2	121.0	<0.002	0.11	3.82	9.8	<1	1.5	305	0.72	<0.05	12.80
R616160		7.2	2.3	590	18.0	92.9	<0.002	0.29	20.8	9.5	1	1.6	115.0	0.63	<0.05	10.70
R616161		5.2	14.0	480	9850	134.0	<0.002	7.39	229	6.9	1	8.7	126.5	0.44	0.44	7.34
R616162		6.2	2.6	500	487	132.5	<0.002	1.84	52.5	8.5	<1	2.9	79.0	0.57	<0.05	9.27
R616163		7.5	2.3	600	624	144.0	<0.002	1.56	33.9	9.9	1	3.4	117.0	0.65	<0.05	10.40
R616164		6.6	2.4	520	1890	171.5	<0.002	4.45	108.5	8.7	1	5.4	89.5	0.60	0.20	10.45
R616165		8.0	2.7	620	32.5	109.0	<0.002	0.30	3.22	10.5	1	2.1	381	0.69	<0.05	13.15
R616166		6.7	13.4	580	1360	178.5	<0.002	5.05	72.2	9.8	2	8.8	104.0	0.58	1.17	10.95
R616167		6.6	2.6	580	61.9	130.5	<0.002	1.20	37.4	9.7	1	3.9	52.1	0.55	0.13	9.97
R616168		8.7	2.6	680	19.2	117.5	<0.002	0.11	7.06	11.7	1	2.7	193.5	0.74	<0.05	12.60
R616169		8.4	18.4	680	948	131.0	0.002	0.80	18.20	7.8	1	3.6	255	0.74	0.09	12.45
R616170		9.1	17.7	690	96.5	97.3	<0.002	0.18	6.60	5.9	1	1.8	458	0.78	<0.05	10.55
R616171		8.9	9.1	820	11.2	109.0	<0.002	0.03	3.09	5.9	1	1.3	323	0.72	<0.05	9.04
R616172		7.7	10.6	650	257	81.6	0.007	0.28	6.32	6.4	1	2.2	373	0.64	<0.05	9.65
R616173		7.0	3.2	610	553	148.0	<0.002	0.55	7.21	9.4	<1	2.9	152.0	0.63	0.07	12.80
R616174		6.0	3.2	600	212	136.5	<0.002	1.60	8.88	9.7	1	3.6	120.5	0.52	0.11	10.45
R616175		7.5	2.6	650	18.4	91.6	<0.002	0.33	9.71	10.7	1	2.3	148.5	0.63	<0.05	11.65
R616176		6.8	2.3	630	19.8	85.5	<0.002	0.32	9.17	9.9	1	2.1	140.0	0.58	<0.05	11.00
R616177		6.0	2.0	580	500	160.0	<0.002	0.99	6.36	9.5	1	2.5	111.5	0.51	0.08	11.35
R616178		4.6	1.7	380	>10000	140.0	<0.002	>10.0	117.0	7.6	1	11.2	36.7	0.38	0.33	7.46
R616179		5.8	1.5	590	2100	194.0	<0.002	1.02	5.18	9.8	<1	2.7	20.1	0.49	0.07	13.35
R616180		5.2	2.2	460	1540	141.5	<0.002	>10.0	9.10	8.4	2	3.6	18.7	0.41	3.09	8.14
R616181		8.1	2.0	640	241	123.0	0.002	0.32	6.56	11.3	<1	2.1	105.0	0.64	<0.05	12.75

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CERTIFICATE OF ANALYSIS VA16126419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047946		0.260	1.72	4.2	68	3.0	16.0	350	42.9	0.009
S047947		0.246	1.75	3.3	65	2.1	14.5	556	31.0	0.008
S047948		0.291	1.23	4.9	82	2.4	17.1	85	30.1	0.022
S047949		0.256	1.52	5.1	67	1.6	17.8	126	35.4	<0.005
S047950		0.249	2.49	4.6	66	3.0	14.9	2830	40.3	0.104
R616151		0.210	2.28	4.7	57	3.4	12.4	1690	32.6	0.143
R616152		<0.005	<0.02	0.8	2	0.1	0.8	21	<0.5	<0.005
R616153		0.249	1.30	3.6	66	1.4	14.3	72	30.4	<0.005
R616154		0.212	2.48	4.5	65	4.2	11.0	>10000	25.6	0.268
R616155		0.269	1.41	5.1	71	2.4	16.8	190	33.9	<0.005
R616156		0.249	2.53	5.1	67	5.0	13.0	1630	29.0	0.075
R616157		0.239	2.52	5.5	63	4.9	13.7	8000	39.4	0.604
R616158		<0.005	0.02	0.7	2	0.1	0.8	28	<0.5	<0.005
R616159		0.266	1.50	4.8	70	2.4	16.6	67	31.6	<0.005
R616160		0.253	2.11	4.8	68	3.4	13.3	50	29.7	0.005
R616161		0.191	2.20	5.0	54	4.5	8.9	>10000	33.7	4.32
R616162		0.215	2.41	10.0	60	5.6	9.7	1130	25.2	0.136
R616163		0.266	2.45	3.7	72	3.5	13.0	1450	29.2	0.136
R616164		0.222	2.60	4.3	60	3.1	12.2	1650	26.6	0.498
R616165		0.270	1.25	4.4	70	1.4	18.0	58	30.2	0.007
R616166		0.226	2.83	6.1	66	6.7	12.4	2590	33.9	0.831
R616167		0.229	2.06	5.0	67	4.7	14.0	113	25.8	0.292
R616168		0.288	1.62	3.1	77	2.4	15.1	100	33.2	0.005
R616169		0.270	2.25	13.3	67	3.5	14.8	1660	116.5	0.183
R616170		0.273	1.12	12.9	49	1.4	13.2	165	159.5	0.014
R616171		0.281	1.06	3.2	49	2.1	12.4	70	72.0	<0.005
R616172		0.262	1.32	14.0	57	2.7	12.1	459	89.4	0.016
R616173		0.237	2.37	5.4	70	4.0	11.4	960	31.8	0.009
R616174		0.207	2.01	5.0	69	3.4	12.4	258	25.2	0.052
R616175		0.259	1.61	5.5	74	2.5	13.5	72	30.0	<0.005
R616176		0.247	1.56	5.0	73	2.2	12.3	69	28.1	<0.005
R616177		0.217	2.33	5.8	69	2.9	12.3	593	25.1	0.020
R616178		0.147	2.45	2.2	43	4.6	5.7	>10000	17.7	>10.0
R616179		0.211	3.02	4.0	68	3.7	7.9	3730	23.7	0.029
R616180		0.180	2.63	4.8	57	5.5	8.8	2300	20.9	2.62
R616181		0.285	2.24	8.5	83	3.1	14.9	428	28.6	0.009

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126419

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	BAG-01
CRU-32	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126420

Project: Klaza

P.O. No.: Batch 75

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

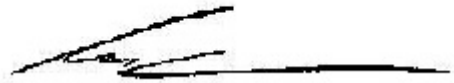
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126420

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614475		8.42	0.45	7.84	26.4	1420	1.66	0.70	3.70	2.53	42.6	11.6	16	29.9	37.7	4.61
R614476		4.70	0.22	8.01	836	700	1.14	0.25	2.56	0.31	39.9	11.0	20	11.10	21.7	3.76
R614477		3.52	0.36	7.48	1385	810	1.25	0.68	3.36	0.32	37.5	11.1	18	22.1	22.3	4.00
R614478		4.18	0.44	8.52	262	1080	1.18	1.55	1.73	0.20	40.3	11.2	23	11.95	28.5	3.58
R614479		3.30	0.83	7.07	585	1090	1.17	4.77	2.33	0.37	33.7	16.0	17	10.80	23.0	4.23
R614480		6.02	0.02	0.09	0.7	30	0.05	0.02	21.2	0.07	1.18	0.7	1	0.20	1.7	0.49
R614481		6.30	0.67	8.11	152.0	770	1.17	1.57	2.88	0.57	44.1	9.6	19	17.30	58.4	4.04
R614482		4.42	0.44	8.03	717	960	1.06	2.39	2.87	0.23	47.5	10.4	19	12.30	20.5	3.31
R614483		2.30	0.23	6.87	113.5	450	1.10	0.64	1.78	0.36	48.7	4.0	16	11.90	4.9	2.42
R614484		0.32	12.55	6.87	1600	750	1.26	11.95	1.96	34.2	44.4	18.1	19	13.70	302	6.80
R614485		7.08	0.58	7.96	3730	340	1.23	1.92	3.13	1.07	52.6	9.0	20	14.25	29.3	3.65
R614486		2.90	3.36	5.87	358	210	1.07	15.60	2.67	1.90	35.7	19.2	18	10.80	323	6.94
R614487		4.74	0.81	8.09	270	1090	1.31	6.92	3.06	1.59	50.9	11.8	20	14.20	28.6	3.87
R614488		6.16	0.01	0.05	0.5	20	0.07	0.04	21.6	0.05	0.99	0.7	1	0.13	2.4	0.48
R614489		4.06	1.26	7.65	69.8	1610	1.31	6.61	3.08	0.40	43.0	11.5	19	10.50	99.1	3.83
R614490		2.94	0.88	8.10	76.0	1610	1.34	2.72	3.03	0.83	44.8	17.7	19	16.60	83.5	4.35
R614491		11.04	0.28	7.81	14.7	1560	1.63	0.58	3.48	0.56	46.1	9.0	22	19.10	29.0	3.86
R614492		3.40	2.10	7.57	282	1250	1.16	9.06	3.17	1.58	47.8	12.4	19	12.55	12.2	4.56
R614493		4.64	0.69	7.61	31.1	1750	1.49	2.20	3.36	1.38	44.2	7.8	21	18.05	30.4	3.69
R614494		1.90	0.50	7.61	24.8	1660	1.57	1.97	3.45	0.44	42.5	8.0	20	18.10	22.2	3.65
R614495		3.34	1.27	6.95	46.6	1560	1.16	6.88	3.66	1.48	38.7	13.4	20	12.70	13.6	4.29
R614496		10.38	0.49	7.85	20.0	1750	1.41	2.25	3.54	0.27	45.8	9.3	22	18.55	48.4	3.87
R614497		11.08	0.87	8.09	28.8	1790	1.50	9.42	2.12	0.35	45.6	8.9	21	20.9	81.0	3.72
R614498		2.20	1.10	7.15	53.0	1610	1.25	14.80	2.57	0.49	37.6	10.1	21	14.70	53.3	3.16
R614499		0.32	40.9	5.51	2400	350	1.14	37.6	1.62	43.7	34.7	17.0	23	9.21	1160	8.74
R614500		8.50	1.76	5.29	761	60	0.92	22.3	5.37	2.52	37.9	8.1	16	15.75	119.0	3.78
R614501		5.94	0.64	5.81	4010	50	0.90	7.55	3.81	0.54	41.5	8.0	19	14.25	47.0	3.28
R614502		2.54	1.72	6.00	542	60	0.92	27.5	3.23	1.84	42.4	8.7	20	14.85	74.3	3.89
R614503		7.20	1.45	7.72	84.5	1130	1.24	51.5	2.22	1.03	42.7	10.8	21	11.40	62.2	3.53
R614504		<0.02	1.67	7.49	81.3	1120	1.17	54.0	2.22	1.05	37.1	11.0	21	10.70	67.8	3.51
R614505		3.64	0.40	8.12	24.4	1330	1.52	2.60	1.58	0.23	40.5	11.4	19	12.05	41.7	3.88
R614506		9.14	0.41	7.64	35.9	1270	1.34	2.80	1.94	0.25	37.6	11.1	20	19.95	59.4	4.10
R614507		3.22	0.39	6.53	39.0	1010	1.21	1.70	5.35	0.47	45.3	9.3	17	9.05	64.4	3.58
R614508		5.82	2.84	7.96	24.6	1780	1.63	26.9	2.97	0.69	49.2	17.0	24	10.50	1410	4.22
R614509		1.90	5.13	7.46	69.1	1520	1.33	50.9	4.44	1.03	56.3	5.3	19	11.85	1670	4.07
R614510		1.66	0.54	7.64	50.1	1710	1.24	5.14	3.17	0.16	49.8	13.9	23	19.95	29.4	3.45

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126420

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614475		19.50	0.14	0.9	0.251	2.70	19.4	23.4	1.43	931	3.36	1.93	7.9	3.8	990	37.0
R614476		19.80	0.15	0.5	0.088	1.16	17.5	48.6	0.58	1810	8.44	0.07	8.6	5.2	950	25.9
R614477		20.0	0.13	0.5	0.117	1.39	15.8	63.0	0.55	2990	4.84	0.06	8.5	6.0	890	24.2
R614478		21.3	0.13	0.5	0.107	1.90	18.5	39.4	0.43	1280	4.66	0.08	9.2	6.8	960	24.8
R614479		18.65	0.15	0.5	0.120	2.17	14.3	43.7	0.48	1660	5.41	0.08	7.9	5.9	790	29.7
R614480		0.29	0.14	<0.1	<0.005	0.03	0.6	1.3	12.90	209	0.11	0.01	0.2	2.2	190	1.6
R614481		21.6	0.15	0.5	0.203	1.49	20.8	42.4	0.90	1480	3.77	0.05	8.3	6.1	920	40.8
R614482		18.65	0.19	0.6	0.112	2.09	23.7	37.6	0.86	1610	4.00	0.07	8.1	5.5	810	24.0
R614483		13.90	0.15	1.5	0.128	2.19	28.3	26.6	0.62	1030	4.85	0.04	5.8	2.9	300	17.0
R614484		15.75	0.13	1.1	0.818	3.02	23.7	19.3	0.79	1830	9.71	0.13	6.4	12.5	550	1320
R614485		19.50	0.15	0.6	0.318	1.37	27.2	48.1	1.02	2270	4.49	0.03	8.2	5.3	830	21.2
R614486		18.60	0.12	0.5	0.232	1.46	18.9	38.3	1.15	2800	3.99	0.02	5.3	4.0	580	54.5
R614487		18.40	0.16	0.5	0.279	2.70	26.8	43.1	1.16	1570	4.14	0.07	7.7	4.8	870	25.4
R614488		0.19	0.17	<0.1	<0.005	0.02	0.5	1.0	13.10	201	0.09	<0.01	0.1	1.6	180	1.4
R614489		19.55	0.16	0.5	0.248	2.63	20.1	26.1	0.94	1040	3.54	0.10	8.0	5.2	880	27.9
R614490		21.9	0.15	0.5	0.256	2.97	21.0	31.1	0.87	859	3.79	0.22	8.8	5.9	920	34.9
R614491		19.20	0.17	0.5	0.157	2.91	22.5	22.1	1.34	849	3.60	2.20	8.2	5.0	850	24.8
R614492		16.75	0.15	0.5	0.242	3.03	24.7	31.4	1.19	1760	4.54	0.08	7.2	4.6	780	63.2
R614493		18.65	0.15	0.5	0.228	3.23	21.7	22.9	1.18	730	4.37	1.55	8.0	4.8	840	40.0
R614494		19.10	0.18	0.5	0.215	3.19	20.2	23.2	1.15	762	4.26	1.49	8.2	4.9	850	28.0
R614495		17.20	0.15	0.4	0.267	3.63	18.1	26.6	1.11	1060	6.08	0.11	7.6	4.9	810	56.1
R614496		19.45	0.18	0.5	0.156	3.20	22.4	24.2	1.33	811	3.85	1.86	8.2	5.1	860	22.9
R614497		20.7	0.11	0.5	0.196	3.01	21.1	41.1	1.04	687	3.10	0.60	8.8	5.6	890	28.6
R614498		18.95	0.10	0.4	0.132	2.51	17.0	38.5	0.73	1580	3.06	0.10	8.2	5.0	840	47.5
R614499		13.60	0.11	0.7	1.470	2.57	18.2	18.2	0.66	2190	15.60	0.06	4.5	13.7	430	1575
R614500		13.10	0.12	0.4	0.117	0.89	19.9	69.2	1.23	3090	4.17	0.02	5.4	4.9	550	61.7
R614501		13.80	0.10	0.4	0.075	0.52	21.7	65.1	1.13	2980	4.15	0.01	6.1	9.5	560	24.7
R614502		15.55	0.10	0.4	0.076	0.56	22.7	74.7	0.97	2680	3.73	0.01	6.1	5.2	600	54.0
R614503		19.95	0.11	0.5	0.076	1.91	19.9	50.7	0.72	1620	3.84	0.08	8.3	5.4	870	34.2
R614504		19.45	0.11	0.5	0.080	1.88	17.0	50.9	0.70	1640	3.89	0.08	8.2	5.3	880	36.5
R614505		21.8	0.11	0.5	0.099	2.12	18.6	54.2	0.64	941	3.05	0.09	8.9	5.5	930	16.4
R614506		20.6	0.10	0.5	0.081	2.05	17.1	39.5	0.77	908	3.46	0.09	8.7	4.8	900	17.3
R614507		14.95	0.12	0.4	0.076	1.53	24.4	32.6	1.61	993	2.81	0.07	6.5	4.9	680	19.8
R614508		19.80	0.13	0.6	0.470	2.79	24.4	18.7	1.35	517	3.89	2.30	8.1	5.1	820	25.5
R614509		19.60	0.13	0.5	0.344	2.58	29.4	26.0	1.09	735	3.55	0.92	7.5	5.1	760	36.7
R614510		19.45	0.13	0.5	0.161	3.16	24.4	88.4	1.00	932	4.24	0.36	8.1	5.8	820	15.8

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VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126420

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614475		102.0	<0.002	0.34	8.05	14.3	1	2.2	516	0.58	<0.05	7.54	0.434	2.67	2.6	138
R614476		30.8	<0.002	0.21	24.6	12.5	1	1.7	166.5	0.62	<0.05	7.55	0.424	3.07	3.8	125
R614477		42.3	<0.002	0.32	31.0	12.2	<1	1.8	160.0	0.62	0.06	7.19	0.408	3.72	3.5	120
R614478		62.6	<0.002	0.58	20.0	13.0	1	1.9	174.5	0.68	<0.05	9.03	0.417	2.71	3.9	125
R614479		78.1	<0.002	1.73	22.4	11.3	1	1.9	161.0	0.57	0.28	7.30	0.360	4.15	3.7	110
R614480		1.3	<0.002	<0.01	0.08	0.2	1	<0.2	50.0	<0.05	<0.05	0.12	<0.005	0.03	1.1	2
R614481		49.1	<0.002	0.48	17.65	12.5	1	4.0	145.5	0.65	<0.05	8.50	0.410	3.37	3.8	121
R614482		87.6	<0.002	0.72	17.85	11.8	<1	2.1	145.0	0.63	0.07	10.25	0.372	4.02	4.0	107
R614483		147.5	<0.002	0.25	9.68	4.0	<1	1.3	62.7	0.58	<0.05	17.80	0.130	3.87	3.0	30
R614484		164.5	<0.002	4.81	67.1	9.7	2	8.3	97.6	0.53	1.66	10.50	0.217	2.58	5.2	64
R614485		84.6	<0.002	0.60	32.7	11.8	<1	2.8	130.0	0.63	0.06	10.75	0.363	4.05	4.7	105
R614486		100.5	<0.002	3.78	72.1	8.8	1	2.7	43.6	0.39	0.47	7.07	0.244	2.92	2.8	76
R614487		149.0	<0.002	1.46	21.5	12.4	1	4.0	102.0	0.61	0.45	9.45	0.377	4.03	3.3	112
R614488		0.9	<0.002	<0.01	0.09	0.2	<1	<0.2	49.1	<0.05	<0.05	0.06	<0.005	0.03	0.5	1
R614489		80.0	<0.002	0.88	30.4	12.0	1	3.8	150.0	0.60	0.29	8.12	0.389	2.83	3.6	116
R614490		91.0	<0.002	0.96	8.41	12.6	1	3.3	196.5	0.65	0.09	8.72	0.404	2.56	2.7	121
R614491		122.0	<0.002	0.26	4.55	12.5	<1	2.1	549	0.61	<0.05	8.72	0.378	2.44	3.3	112
R614492		167.5	<0.002	2.41	15.60	11.7	1	3.0	91.7	0.53	0.54	9.26	0.339	4.48	2.6	101
R614493		132.5	<0.002	0.60	7.00	11.6	1	2.8	421	0.60	0.11	9.20	0.373	3.09	3.4	110
R614494		126.5	<0.002	0.51	6.54	11.7	1	2.9	406	0.61	0.09	8.60	0.380	3.21	3.2	110
R614495		131.5	<0.002	1.80	9.14	10.7	1	3.3	132.0	0.59	0.54	7.68	0.348	4.97	2.3	102
R614496		130.0	<0.002	0.53	5.62	12.3	1	2.7	482	0.62	0.12	8.77	0.384	2.68	3.2	112
R614497		114.5	<0.002	0.71	8.44	12.8	1	3.3	228	0.65	0.75	8.97	0.404	3.04	2.5	113
R614498		66.8	<0.002	0.91	25.1	11.4	1	3.6	159.5	0.60	2.04	7.47	0.375	2.37	3.3	112
R614499		144.0	0.003	7.53	100.5	7.7	1	9.7	61.3	0.36	0.73	8.43	0.164	2.23	5.0	53
R614500		74.9	<0.002	1.50	79.2	8.7	1	2.6	132.5	0.39	1.51	6.97	0.247	2.49	4.5	77
R614501		42.6	<0.002	0.51	58.7	9.4	1	1.5	89.4	0.44	0.58	7.73	0.274	3.49	12.6	81
R614502		43.1	<0.002	1.64	56.8	9.2	2	1.8	102.0	0.43	3.66	7.63	0.278	1.95	4.3	83
R614503		64.0	<0.002	1.17	25.6	11.8	2	2.6	130.0	0.58	4.71	8.66	0.381	2.40	3.5	114
R614504		54.6	<0.002	1.16	26.4	11.2	2	2.6	129.0	0.61	4.84	7.56	0.388	2.37	3.6	115
R614505		60.8	<0.002	0.47	9.50	13.4	1	2.4	141.0	0.62	0.36	8.33	0.408	1.31	2.1	119
R614506		52.3	<0.002	0.38	12.40	12.6	1	2.1	145.0	0.63	0.28	7.39	0.393	1.48	2.2	115
R614507		63.7	<0.002	0.61	16.45	9.7	1	1.9	193.0	0.46	0.10	8.45	0.298	1.26	3.2	92
R614508		122.0	<0.002	1.55	6.70	11.4	1	2.9	526	0.63	1.21	10.60	0.368	2.46	3.4	105
R614509		133.5	<0.002	1.56	47.8	11.0	1	4.2	301	0.58	3.34	10.65	0.340	2.44	3.5	99
R614510		129.5	<0.002	1.21	14.65	12.6	1	2.4	212	0.61	0.41	10.50	0.386	3.91	3.3	112

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126420

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614475		1.5	17.9	296	19.5	0.043
R614476		34.2	14.4	87	9.1	0.036
R614477		15.8	14.7	86	8.3	0.072
R614478		29.4	14.6	82	10.6	0.078
R614479		11.7	13.1	86	7.6	0.083
R614480		0.1	0.8	17	0.5	<0.005
R614481		13.1	16.5	121	8.7	0.156
R614482		8.8	16.9	77	12.1	0.087
R614483		2.2	10.2	77	45.9	0.025
R614484		5.8	11.6	2460	29.8	0.951
R614485		11.2	17.8	158	14.7	0.132
R614486		5.2	12.2	277	14.0	3.78
R614487		6.9	19.6	189	8.4	0.189
R614488		0.1	0.7	16	<0.5	<0.005
R614489		10.2	17.4	112	8.1	0.073
R614490		7.0	20.1	128	7.8	0.023
R614491		1.6	18.3	109	8.6	0.014
R614492		4.1	16.7	223	9.1	0.147
R614493		2.7	16.8	171	9.1	0.104
R614494		2.9	16.5	99	9.0	0.085
R614495		4.6	16.4	197	6.9	0.120
R614496		2.0	19.2	84	8.4	0.043
R614497		8.0	16.7	84	8.7	0.036
R614498		10.0	15.7	99	7.9	0.056
R614499		9.4	8.5	3190	22.9	1.775
R614500		6.8	14.6	160	7.5	0.070
R614501		10.3	15.2	77	8.5	0.028
R614502		14.0	14.2	135	8.3	0.035
R614503		16.4	17.0	101	10.8	0.035
R614504		16.0	15.4	102	10.7	0.022
R614505		34.4	16.0	72	9.6	0.007
R614506		20.0	16.4	70	9.8	0.085
R614507		12.1	18.4	85	7.8	0.015
R614508		3.3	16.5	83	9.8	0.079
R614509		5.0	22.2	113	8.9	0.042
R614510		7.9	19.0	69	12.0	0.075

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126420

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126433

Project: Klaza

P.O. No.: Batch 76

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

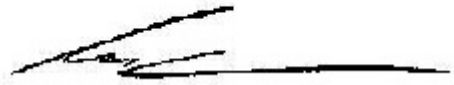
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126433

Sample Description	Method	WEI-21	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Cu	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
R614511		3.12					0.61	9.14	12.8	1510	1.64	4.46	0.87	0.14	41.5	8.0
R614512		11.76					4.28	7.72	246	780	1.31	8.35	0.26	0.30	68.5	2.8
R614513		7.12					1.90	7.73	114.0	1200	1.64	1.24	0.83	5.76	56.9	11.6
R614514		0.32	119		0.962	1.600	>100	5.51	7020	590	1.15	62.1	1.99	236	34.5	9.6
R614515		5.32					1.19	8.03	116.5	1520	1.61	1.01	0.24	4.64	49.3	7.3
R614516		2.18					1.16	7.38	39.3	1020	1.42	0.99	1.12	3.22	56.1	7.9
R614517		3.18					1.07	7.49	52.9	980	1.80	0.80	1.47	9.80	91.7	10.8
R614518		7.14					0.83	7.38	32.4	1780	1.70	0.79	1.14	5.66	56.7	9.2
R614519		<0.02					0.85	7.79	35.0	1360	1.90	0.82	1.19	6.16	61.6	9.6
R614520		8.16					0.77	7.77	45.6	2180	1.90	0.51	1.23	5.14	61.8	8.9
R614521		1.70					12.40	6.71	138.0	180	1.58	57.2	0.82	8.59	50.8	8.8
R614522		5.94					0.03	0.06	0.6	40	0.07	0.15	21.1	0.09	1.23	0.7
R614523		5.26					0.99	7.91	119.0	2070	2.15	0.92	0.57	5.81	51.4	10.0
R614524		4.60					0.58	7.44	36.7	1090	1.56	0.52	2.05	4.01	54.1	10.0
R614525		2.32					0.52	7.27	25.9	1300	1.68	0.47	2.05	3.47	46.1	9.8
R614526		3.70					0.65	8.04	79.3	850	2.07	0.69	0.35	7.61	63.4	10.9
R614527		3.88					0.89	7.39	54.6	2060	1.65	0.89	1.56	3.78	50.4	7.5
R614528		3.82					0.67	7.77	84.8	2330	1.58	0.62	1.24	8.81	55.9	9.9
R614529		3.00					10.40	7.26	418	470	1.98	17.05	0.84	35.6	58.4	7.4
R614530		2.88					2.64	6.84	212	490	1.54	3.13	1.58	3.41	46.1	8.7
R614531		0.32					41.4	5.77	2350	350	1.29	35.3	1.66	45.2	37.1	17.2
R614532		2.62					2.88	6.50	255	590	1.40	2.46	1.25	3.39	42.6	11.2
R614533		5.28					2.04	5.14	165.5	600	1.16	1.87	1.01	7.80	42.1	9.5
R614534		7.52					0.63	7.47	17.3	1460	1.70	1.37	2.27	0.46	59.1	10.5
R614535		3.12					0.54	7.36	29.7	650	1.36	0.89	2.23	0.29	55.9	11.5
R614536		5.52					1.06	7.19	51.4	1270	1.53	1.05	2.41	0.33	44.4	11.7
R614537		3.64					0.56	7.60	32.4	1170	1.68	1.35	2.20	0.26	63.3	15.4
R614538		3.66					6.91	6.00	242	100	1.28	29.9	1.83	2.89	38.9	10.8
R614539		6.04					0.01	0.09	0.6	30	0.07	0.06	20.4	0.07	2.91	0.6
R614540		2.84					82.8	1.78	3010	20	0.59	213	3.56	5.73	33.4	5.2
R614541		3.46					0.29	7.04	45.5	840	1.45	0.44	2.78	0.13	56.6	5.5
R614542		7.44					0.80	6.64	52.2	770	1.22	12.20	3.23	0.23	55.4	5.6
R614543		2.94	117	2.06			>100	3.07	1170	50	0.81	4440	0.34	17.60	21.1	7.3
R614544		4.96					2.20	7.34	80.1	300	1.38	21.3	0.07	3.27	57.7	7.9
R614545		2.68					1.18	7.27	59.5	620	1.67	7.93	0.75	4.91	53.3	7.4
R614546		2.80					1.02	7.60	65.8	890	1.56	2.22	0.71	2.82	52.1	11.3

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126433

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
R614511		20	7.90	151.0	3.13	21.7	0.15	0.6	0.104	2.23	18.8	45.5	0.36	183	3.49	0.09
R614512		22	10.85	137.0	3.66	18.20	0.15	1.1	0.572	3.21	37.5	17.3	0.34	114	74.1	0.06
R614513		17	16.45	1190	3.70	16.30	0.16	0.8	0.247	3.28	29.2	14.3	0.52	335	111.5	0.40
R614514		20	11.25	1305	8.24	12.80	0.10	1.0	4.67	2.34	18.6	31.4	0.65	3120	14.50	0.08
R614515		12	17.10	721	3.85	15.65	0.13	0.9	0.175	3.88	27.4	15.3	0.32	140	36.6	0.21
R614516		15	16.20	632	2.84	14.00	0.14	0.9	0.164	3.57	32.5	12.6	0.56	486	469	0.13
R614517		12	14.30	785	3.97	14.40	0.14	0.8	0.254	3.38	51.6	11.7	0.71	699	19.50	0.44
R614518		12	12.05	522	2.87	14.15	0.17	0.8	0.103	3.51	30.9	14.0	0.54	527	88.1	0.96
R614519		12	12.80	546	3.02	14.90	0.18	0.8	0.111	3.68	34.0	15.1	0.57	566	97.3	1.02
R614520		11	13.15	644	2.61	14.45	0.17	0.9	0.074	3.31	33.1	19.3	0.59	478	53.2	1.20
R614521		15	15.00	1575	5.70	13.85	0.14	0.7	0.236	3.39	27.4	10.2	0.53	705	142.5	0.07
R614522		1	0.30	4.5	0.47	0.24	0.17	<0.1	0.006	0.03	0.6	1.1	13.15	220	0.31	0.01
R614523		13	13.00	1235	3.80	14.30	0.18	0.9	0.129	3.57	27.0	17.8	0.45	402	26.3	0.69
R614524		10	21.3	406	2.63	14.65	0.20	0.8	0.048	3.09	28.9	23.9	0.63	627	81.5	0.52
R614525		12	21.7	382	2.40	15.05	0.19	0.9	0.046	3.02	24.4	29.5	0.50	592	16.65	0.53
R614526		12	23.2	1120	2.89	15.50	0.17	0.8	0.086	3.03	33.8	54.7	0.26	501	122.0	0.06
R614527		14	21.8	480	2.61	14.80	0.18	0.8	0.067	3.07	27.9	16.4	0.62	289	22.7	0.73
R614528		12	21.8	431	3.04	15.50	0.20	0.8	0.060	3.27	29.8	18.6	0.56	1070	26.8	0.39
R614529		15	12.15	1535	4.54	16.10	0.15	0.7	0.755	3.33	32.2	9.7	0.63	1050	141.5	0.04
R614530		11	26.2	727	3.46	14.70	0.14	0.7	0.235	3.03	25.0	17.6	0.79	956	11.35	0.04
R614531		23	9.83	1190	9.15	13.95	0.11	0.8	1.530	2.62	19.2	16.6	0.69	2320	16.80	0.06
R614532		13	12.00	656	2.94	13.25	0.15	0.7	0.170	3.08	23.9	10.9	0.72	1150	10.10	0.04
R614533		17	18.10	495	2.24	11.00	0.12	0.6	0.160	2.33	23.9	10.9	0.54	720	21.3	0.04
R614534		16	11.75	320	2.72	15.45	0.15	0.9	0.043	2.62	33.3	12.1	0.70	197	26.2	1.76
R614535		22	10.40	180.5	3.02	14.95	0.18	0.8	0.056	2.84	30.3	13.9	0.66	194	13.60	1.25
R614536		16	15.35	367	2.96	15.35	0.16	0.7	0.153	2.53	23.7	13.2	0.82	352	26.3	1.09
R614537		11	16.10	145.5	3.14	15.55	0.17	0.8	0.122	2.45	34.6	14.0	0.69	286	23.9	1.02
R614538		15	24.8	364	6.91	14.25	0.13	1.5	0.307	1.88	20.0	91.2	0.82	999	5.21	0.08
R614539		1	0.15	2.5	0.45	0.28	0.15	<0.1	<0.005	0.03	1.5	1.1	12.45	191	0.40	0.02
R614540		10	3.99	2830	24.2	5.00	0.22	0.7	2.03	0.26	18.0	53.8	1.17	2110	3.03	0.04
R614541		31	10.70	17.7	2.10	17.95	0.13	3.9	0.028	0.34	30.2	255	1.26	521	0.99	0.27
R614542		29	9.46	68.8	2.30	16.85	0.12	3.5	0.052	0.35	29.2	206	1.36	744	1.19	0.27
R614543		9	4.45	>10000	24.2	9.95	0.19	0.4	5.49	1.47	10.9	5.3	0.28	578	2.65	0.02
R614544		19	7.73	146.0	5.08	17.10	0.10	1.0	0.256	3.62	30.9	5.0	0.39	92	3.78	0.04
R614545		16	15.60	91.9	4.53	16.30	0.11	1.0	0.375	3.51	29.8	7.3	0.56	732	5.39	0.04
R614546		19	16.40	127.0	4.39	15.60	0.09	1.0	0.309	3.39	26.7	12.5	0.46	1440	6.22	0.09

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126433

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
R614511		9.5	5.0	970	12.3	84.4	<0.002	0.62	9.36	13.4	1	2.2	166.0	0.69	0.24	9.95
R614512		3.9	3.4	540	372	168.5	0.014	0.74	64.7	10.9	3	11.0	113.5	0.31	0.35	14.50
R614513		3.7	4.2	650	38.6	148.0	0.124	1.69	9.42	10.5	2	7.5	121.5	0.31	0.17	14.20
R614514		5.5	14.7	460	>10000	138.5	<0.002	7.30	225	7.4	1	8.3	125.5	0.42	0.43	8.39
R614515		4.9	4.4	620	50.7	159.0	0.016	1.21	23.4	9.5	2	3.9	88.7	0.48	0.08	17.60
R614516		4.0	3.8	540	29.5	149.5	0.270	1.31	13.55	9.1	1	4.7	59.0	0.34	<0.05	14.85
R614517		4.2	4.3	560	39.6	158.0	0.015	1.90	7.38	9.5	1	6.7	96.5	0.36	0.11	15.70
R614518		4.9	4.0	560	38.0	134.5	0.043	1.09	3.05	9.7	1	3.1	237	0.42	0.09	14.50
R614519		5.1	3.6	590	38.3	146.5	0.045	1.13	3.22	10.3	1	3.3	250	0.42	0.11	15.00
R614520		5.4	3.4	570	24.1	123.0	0.037	0.78	10.15	9.7	1	2.4	198.5	0.55	0.06	17.95
R614521		4.2	3.1	440	96.2	183.5	0.214	4.69	5.84	9.2	2	7.5	62.9	0.36	1.19	13.00
R614522		0.2	1.6	170	1.6	1.7	<0.002	0.01	0.08	0.2	<1	0.2	49.1	<0.05	<0.05	0.21
R614523		5.0	3.9	670	37.0	145.0	0.014	1.05	16.95	10.6	2	3.2	143.5	0.43	0.06	15.05
R614524		5.2	2.9	560	15.4	115.0	0.073	0.91	10.45	10.2	1	2.0	116.0	0.43	<0.05	14.55
R614525		5.8	2.9	560	12.6	98.7	0.034	0.75	7.19	10.2	1	1.9	126.5	0.47	<0.05	13.20
R614526		6.0	4.2	700	26.7	134.0	0.038	0.91	15.95	10.6	2	2.4	47.7	0.48	<0.05	15.10
R614527		5.7	2.8	580	61.4	127.0	0.033	1.13	4.21	10.7	1	2.5	201	0.44	0.05	12.05
R614528		5.6	3.6	600	60.1	140.0	0.019	0.98	16.80	10.3	1	2.1	156.5	0.47	<0.05	14.20
R614529		4.6	3.3	530	1820	184.5	0.083	3.81	78.3	9.5	2	10.9	24.4	0.36	0.51	11.10
R614530		4.1	3.4	510	113.5	164.0	0.005	2.06	98.9	9.2	1	5.2	37.3	0.35	0.25	12.50
R614531		4.8	15.3	450	1660	159.0	0.003	7.89	102.0	8.9	2	10.4	64.8	0.40	0.69	8.81
R614532		3.1	3.3	470	113.5	164.0	0.010	2.37	88.0	8.7	2	4.5	25.7	0.27	0.30	11.50
R614533		2.4	3.3	380	191.0	118.0	0.018	1.71	45.3	6.7	1	3.9	25.1	0.23	0.20	8.95
R614534		5.4	2.9	550	20.2	105.5	0.020	1.56	1.66	9.7	2	3.0	263	0.43	0.14	15.50
R614535		5.4	2.7	530	20.0	124.5	0.023	2.04	2.54	9.7	3	4.2	205	0.39	0.09	12.85
R614536		4.7	2.7	530	23.9	128.0	0.027	1.68	5.05	9.8	2	3.9	151.5	0.36	0.10	11.70
R614537		4.8	2.8	570	24.4	135.0	0.032	1.62	8.22	9.9	2	3.2	179.0	0.39	0.06	13.55
R614538		4.5	8.7	470	210	117.0	0.004	6.78	34.3	6.7	3	8.0	103.0	0.37	1.01	9.21
R614539		0.3	1.3	480	2.0	1.6	<0.002	0.01	0.12	0.2	<1	<0.2	51.2	<0.05	<0.05	0.16
R614540		1.6	7.7	160	1065	14.4	<0.002	>10.0	108.0	2.1	61	9.2	141.5	0.14	6.16	2.65
R614541		8.4	19.8	670	18.1	18.6	<0.002	1.08	4.97	5.8	1	1.6	391	0.70	<0.05	10.75
R614542		8.0	18.7	640	23.1	18.2	<0.002	1.00	5.95	5.9	1	1.9	354	0.64	0.06	10.25
R614543		1.3	3.3	260	892	92.9	<0.002	>10.0	56.0	4.5	40	20.3	18.5	0.11	10.40	4.03
R614544		4.9	2.6	290	104.0	219	<0.002	5.02	5.48	9.4	2	9.8	16.2	0.44	0.66	10.20
R614545		5.3	2.5	450	91.2	201	<0.002	3.26	6.93	9.2	1	7.0	31.0	0.44	0.32	14.00
R614546		5.5	3.0	570	56.5	168.5	<0.002	1.64	6.21	9.3	1	3.6	55.5	0.44	0.18	13.50

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126433

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614511		0.430	1.35	3.2	113	29.6	12.9	34	11.3	0.008
R614512		0.218	2.64	2.6	90	16.6	7.6	88	37.0	0.158
R614513		0.172	2.23	4.5	76	4.8	15.3	262	23.4	0.133
R614514		0.190	2.14	5.1	54	4.3	9.2	>10000	34.8	4.42
R614515		0.176	2.22	5.9	63	4.5	11.7	262	22.0	0.080
R614516		0.163	2.11	3.6	67	4.9	12.1	246	24.8	0.076
R614517		0.164	2.22	5.5	61	6.6	17.6	484	21.4	0.115
R614518		0.179	1.95	3.7	62	4.2	14.8	352	21.8	0.088
R614519		0.185	2.03	3.8	65	4.4	15.5	375	22.0	0.071
R614520		0.184	1.70	5.4	61	3.5	15.9	362	24.7	0.070
R614521		0.157	2.23	4.0	55	6.9	13.5	477	19.3	3.39
R614522		<0.005	0.02	0.8	2	0.1	0.8	21	<0.5	<0.005
R614523		0.191	1.97	7.4	67	4.0	17.3	503	22.4	0.088
R614524		0.195	1.75	4.5	67	4.1	16.0	319	21.6	0.057
R614525		0.209	1.62	3.7	68	3.7	14.7	291	23.5	0.051
R614526		0.219	1.97	5.5	74	3.7	16.5	549	21.3	0.061
R614527		0.215	1.90	4.1	69	4.4	11.6	219	21.1	0.077
R614528		0.205	2.71	4.0	65	3.0	16.6	1120	20.2	0.081
R614529		0.173	3.15	5.4	58	8.7	13.6	2960	18.4	0.346
R614530		0.164	2.88	3.2	61	6.0	12.0	500	20.0	0.341
R614531		0.173	2.23	5.2	56	7.1	9.6	3400	23.0	1.685
R614532		0.129	2.87	2.4	60	6.0	9.4	317	19.1	0.127
R614533		0.096	1.87	2.2	62	4.7	7.1	701	15.3	0.092
R614534		0.190	1.48	5.5	58	3.4	11.1	56	25.4	0.057
R614535		0.194	1.68	3.8	62	8.0	11.5	42	21.0	0.037
R614536		0.182	1.99	3.7	65	4.8	11.3	59	21.4	0.119
R614537		0.189	2.07	5.8	62	2.8	12.8	65	23.0	0.082
R614538		0.157	1.90	4.3	46	6.3	9.7	262	54.8	0.327
R614539		<0.005	0.02	0.7	2	0.1	0.9	25	<0.5	<0.005
R614540		0.052	1.00	2.7	15	3.0	12.3	469	23.6	2.79
R614541		0.255	0.66	5.0	47	4.9	11.4	96	143.0	0.013
R614542		0.240	0.69	4.7	44	5.0	12.4	70	130.0	0.044
R614543		0.053	1.21	7.8	31	5.3	9.3	532	10.1	1.495
R614544		0.175	2.77	3.1	61	8.8	10.6	78	27.2	0.084
R614545		0.186	3.07	3.8	61	5.5	13.7	353	25.9	0.143
R614546		0.210	2.41	3.6	66	2.8	15.1	623	27.0	0.062

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126433

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	Cu-OG62	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	Pb-OG62
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126435

Project: Klaza

P.O. No.: Batch 77

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126435

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
R616182		2.12				1.27	7.78	47.8	1720	1.80	1.53	2.55	8.21	79.7	3.5	14
R616183		2.44				1.53	7.48	115.5	1150	1.51	2.26	1.59	34.0	69.7	4.6	13
R616184		10.68				0.18	7.80	11.4	2360	1.80	0.27	2.39	0.80	62.5	6.6	13
R616185		6.48				0.15	7.67	7.9	2450	1.58	0.20	1.95	1.39	49.2	8.3	15
R616186		5.20				2.81	7.00	389	500	2.40	1.70	0.55	19.85	29.7	2.4	6
R616187		1.40				2.85	6.61	981	240	1.50	1.42	0.50	8.77	43.0	3.6	15
R616188		6.22				0.03	0.10	1.0	60	0.08	0.03	22.4	0.29	1.36	1.1	1
R616189		1.60				3.24	7.23	399	480	1.69	2.47	1.24	16.15	49.6	9.2	12
R616190		7.28				0.43	7.67	37.6	1450	1.74	0.18	3.02	0.94	47.1	6.5	11
R616191		1.70				4.71	7.22	256	1190	1.42	1.70	2.35	23.5	43.7	7.2	13
R616192		8.04				1.36	7.55	65.4	1580	1.59	0.66	2.50	11.30	55.5	6.5	15
R616193		0.32	117	0.975	1.560	>100	5.76	8660	1310	1.20	61.3	2.12	244	33.6	9.7	19
R616194		8.22				0.38	7.77	20.9	2870	1.66	0.43	1.97	0.59	53.2	5.9	14
R616195		2.26				0.24	7.30	11.0	3450	1.64	0.31	2.95	0.52	26.6	6.3	16
R616196		2.30				0.15	6.70	8.5	3750	1.37	0.15	2.91	0.43	24.1	4.6	16
R616197		4.32				1.16	7.48	20.6	4380	1.63	0.61	2.87	3.39	31.7	6.7	13
R616198		2.10				0.62	8.29	17.3	2350	1.76	0.27	1.65	10.80	31.0	7.3	13
R616199		1.16				0.47	7.92	21.9	2340	1.69	0.24	1.69	6.66	25.6	6.7	12
R616200		3.96				0.17	7.51	16.0	1730	1.58	0.18	2.62	0.18	36.6	7.6	13
R615651		1.96				0.25	6.86	35.8	9310	1.34	0.12	2.91	0.49	47.1	5.2	13
R615652		2.98				0.11	7.64	13.6	1800	1.62	0.11	2.86	0.12	39.4	3.6	17
R615653		2.00				0.50	7.75	14.9	2230	1.60	0.20	2.44	5.33	39.0	5.1	13
R615654		<0.02				0.58	7.97	16.1	2290	1.61	0.23	2.53	5.87	44.0	5.5	13
R615655		3.46				1.16	7.78	32.1	1860	1.54	0.97	1.68	5.61	28.6	2.8	13
R615656		2.52				7.54	6.90	144.5	800	1.32	3.07	0.86	115.0	20.5	7.6	13
R615657		2.62				6.47	7.36	322	900	1.56	1.97	1.33	143.0	28.3	9.9	11
R615658		6.06				0.02	0.07	0.7	40	<0.05	0.02	21.9	0.25	1.10	0.7	1
R615659		2.10				2.32	7.74	262	500	1.42	2.06	0.58	13.80	20.8	2.3	12
R615660		5.14				2.32	8.06	48.3	1990	1.42	1.57	0.90	15.85	24.6	3.1	15
R615661		2.32				3.26	7.29	216	910	1.41	2.50	0.91	13.75	26.5	10.6	13
R615662		0.32				4.55	6.89	725	670	1.39	3.41	2.15	10.05	47.0	12.2	25
R615663		4.74				1.09	7.81	51.7	1980	1.62	0.94	2.24	5.49	53.8	6.5	12
R615664		3.04			5.24	30.8	5.37	561	790	1.46	31.0	1.19	825	27.1	6.2	10
R615665		4.42				0.57	7.72	57.2	1760	1.86	0.63	1.84	8.35	48.7	6.5	14
R615666		2.70				24.6	7.67	89.9	1550	2.09	36.4	1.96	17.65	44.4	8.1	14
R615667		3.50				1.88	8.24	129.0	1000	1.57	1.25	2.63	24.8	48.6	5.2	90

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126435

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R616182		12.20	9.0	3.13	16.70	0.21	1.0	0.152	3.83	52.0	27.4	0.93	1680	2.02	0.06	7.0
R616183		6.86	29.3	4.83	15.95	0.21	0.9	0.461	3.63	41.8	7.4	0.87	1910	3.58	0.05	5.6
R616184		10.05	1.6	2.16	17.10	0.19	1.1	0.050	3.88	33.8	30.9	0.92	998	34.4	0.06	6.5
R616185		7.18	1.9	1.97	15.55	0.19	1.2	0.039	3.62	28.6	25.1	0.84	812	37.2	0.06	5.5
R616186		29.8	19.8	3.03	16.65	0.15	2.1	0.470	2.95	16.2	20.9	0.31	968	4.38	0.04	16.4
R616187		7.34	11.3	5.91	13.05	0.16	1.0	0.375	3.29	24.9	10.0	0.36	923	1.79	0.03	6.0
R616188		0.40	2.2	0.55	0.30	0.14	<0.1	0.008	0.03	0.7	1.1	14.10	230	0.07	0.01	0.3
R616189		13.85	12.4	6.86	15.10	0.21	1.1	0.280	3.44	28.1	11.7	0.72	2880	2.25	0.03	6.7
R616190		26.5	7.7	2.79	16.70	0.22	1.3	0.051	3.07	24.8	44.3	0.98	1100	3.14	0.05	8.2
R616191		16.40	15.9	5.60	14.45	0.18	0.9	0.289	3.21	24.2	24.0	1.09	2670	3.55	0.04	6.9
R616192		17.00	14.3	3.93	16.25	0.21	1.1	0.119	3.33	30.1	37.8	0.79	1570	1.98	0.09	7.6
R616193		11.55	1345	8.68	12.75	0.19	1.0	4.57	2.49	17.6	27.9	0.69	3190	14.55	0.09	5.5
R616194		13.95	17.2	2.74	16.00	0.20	1.1	0.105	3.30	28.8	46.7	0.66	941	0.96	0.06	6.9
R616195		7.89	4.0	2.09	16.20	0.21	1.1	0.032	3.74	11.9	12.5	1.11	1100	2.42	0.07	5.7
R616196		6.47	1.5	1.74	14.95	0.19	1.0	0.029	3.16	12.5	17.9	1.17	984	3.28	0.07	5.5
R616197		8.71	71.0	2.04	17.25	0.18	1.3	0.109	3.64	15.8	73.1	1.21	1050	5.02	0.07	6.0
R616198		11.70	4.3	2.31	16.95	0.18	1.3	0.077	3.75	16.9	120.0	0.88	979	9.43	0.06	6.0
R616199		10.75	2.5	2.26	16.30	0.17	1.3	0.058	3.73	13.0	87.2	0.84	1000	11.05	0.06	6.3
R616200		13.40	3.7	2.33	17.00	0.18	1.2	0.057	2.91	17.0	83.8	0.83	603	2.81	0.10	7.7
R615651		17.85	3.7	2.41	14.35	0.19	1.3	0.058	2.43	26.6	179.0	0.91	854	2.44	0.07	7.4
R615652		21.3	2.4	2.76	16.90	0.20	1.4	0.029	2.90	18.3	155.5	0.60	564	2.72	0.39	7.7
R615653		15.15	13.8	3.42	16.50	0.19	1.1	0.104	3.21	18.7	26.3	0.72	769	1.63	0.30	7.0
R615654		16.45	16.0	3.58	17.60	0.18	1.1	0.124	3.36	21.1	27.8	0.74	835	1.86	0.32	7.3
R615655		10.45	11.5	3.58	16.30	0.17	1.0	0.193	3.57	13.4	30.3	0.70	1720	1.39	0.06	6.1
R615656		6.74	152.0	5.94	14.50	0.17	0.9	5.15	3.33	9.5	10.6	0.77	3170	7.23	0.04	5.0
R615657		6.08	91.0	5.00	14.70	0.18	0.9	7.91	3.60	11.9	6.6	0.77	2910	3.29	0.04	5.7
R615658		0.15	4.6	0.50	0.19	0.16	<0.1	0.012	0.03	0.6	0.9	13.60	230	1.25	<0.01	0.2
R615659		7.40	44.8	6.09	17.40	0.17	0.9	0.583	3.76	9.5	13.1	0.79	1890	5.20	0.05	5.4
R615660		7.70	33.9	5.33	16.30	0.18	1.0	0.317	3.87	11.2	8.8	0.89	3190	5.44	0.05	5.7
R615661		8.39	48.7	6.09	16.25	0.17	0.9	0.196	3.39	12.4	34.0	0.81	2340	4.37	0.04	5.2
R615662		12.70	318	5.18	14.60	0.19	1.0	0.280	3.09	26.7	22.5	0.82	1930	14.15	0.15	5.9
R615663		21.7	17.5	4.76	16.20	0.19	1.0	0.175	3.48	30.6	15.2	1.07	2260	1.89	0.04	7.4
R615664		11.10	1180	6.16	15.75	0.09	0.8	21.4	2.60	14.2	13.8	0.59	2330	19.05	0.02	5.7
R615665		15.65	14.2	3.28	16.70	0.13	1.5	0.234	3.20	27.2	124.5	0.70	1500	2.91	0.28	8.4
R615666		31.1	818	4.35	18.35	0.14	1.3	0.890	2.95	22.4	23.4	0.53	968	3.67	0.49	8.5
R615667		12.00	11.4	3.95	19.60	0.15	2.3	0.479	3.92	19.0	10.3	1.14	1860	1.51	0.06	5.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126435

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R616182		1.7	650	435	151.5	<0.002	0.69	4.87	10.6	1	2.3	84.9	0.57	0.06	13.95	0.239
R616183		2.2	560	209	163.0	<0.002	1.80	6.25	9.1	1	2.2	38.9	0.48	0.13	12.55	0.209
R616184		2.4	640	19.8	121.0	0.003	0.28	5.70	10.4	1	2.1	85.5	0.53	0.06	13.70	0.224
R616185		2.3	480	12.8	132.5	0.005	0.26	6.73	7.9	1	1.4	70.9	0.62	<0.05	19.40	0.152
R616186		1.2	240	428	199.5	<0.002	2.58	13.50	5.5	1	5.4	46.4	1.66	0.05	17.60	0.110
R616187		2.0	490	372	206	<0.002	5.30	17.20	8.3	1	6.8	11.7	0.48	0.10	10.80	0.202
R616188		1.7	190	3.3	2.0	<0.002	0.01	0.10	0.3	<1	<0.2	49.9	<0.05	<0.05	0.10	0.014
R616189		2.5	530	598	215	<0.002	4.77	12.75	9.6	1	6.0	45.9	0.51	0.13	11.25	0.226
R616190		2.5	630	57.4	135.0	<0.002	0.35	9.35	11.0	1	1.6	158.5	0.64	<0.05	12.55	0.276
R616191		2.5	540	1160	190.0	<0.002	2.60	17.55	9.6	<1	2.3	84.8	0.52	0.13	10.30	0.236
R616192		2.5	640	521	143.5	<0.002	1.00	12.90	11.0	1	1.8	118.0	0.61	0.10	13.45	0.263
R616193		14.7	480	>10000	138.0	<0.002	7.61	237	7.6	1	8.3	129.5	0.44	0.52	8.09	0.197
R616194		2.1	620	27.7	122.5	<0.002	0.30	17.45	10.5	1	1.5	75.2	0.60	0.05	12.85	0.241
R616195		2.5	570	19.5	145.5	<0.002	0.36	10.20	10.4	<1	1.0	64.5	0.56	<0.05	14.50	0.207
R616196		2.4	510	13.6	150.5	<0.002	0.14	7.78	8.0	<1	0.7	90.3	0.50	<0.05	11.85	0.196
R616197		2.2	650	30.4	126.0	<0.002	0.33	38.4	9.3	1	0.9	100.5	0.52	<0.05	12.85	0.216
R616198		2.3	660	391	158.0	<0.002	0.22	14.30	9.9	<1	1.1	65.1	0.53	<0.05	14.60	0.217
R616199		2.2	620	286	149.5	<0.002	0.16	16.45	9.3	<1	1.2	65.6	0.55	<0.05	14.25	0.218
R616200		2.4	660	24.5	101.5	<0.002	0.23	16.95	11.3	1	2.1	89.6	0.67	0.05	11.85	0.252
R615651		2.2	500	30.7	106.5	<0.002	0.43	31.5	9.3	1	1.4	143.0	0.73	<0.05	11.65	0.224
R615652		2.0	690	12.4	98.8	<0.002	0.18	14.95	11.0	1	1.5	165.5	0.63	<0.05	11.75	0.272
R615653		2.4	690	252	127.5	<0.002	0.34	10.90	10.9	<1	1.8	122.0	0.49	<0.05	9.40	0.268
R615654		2.5	720	286	139.5	<0.002	0.42	11.70	11.9	1	1.9	129.0	0.51	<0.05	10.95	0.282
R615655		1.8	600	558	152.0	<0.002	0.51	9.62	10.1	<1	2.0	56.2	0.47	<0.05	12.00	0.234
R615656		3.0	580	2670	176.5	0.002	2.43	18.60	9.9	<1	2.9	20.2	0.36	0.07	10.50	0.168
R615657		2.3	570	1430	221	0.004	3.30	9.16	9.6	<1	3.4	22.8	0.41	0.09	10.45	0.205
R615658		1.5	170	4.1	1.4	<0.002	0.01	0.09	0.2	<1	<0.2	48.5	<0.05	<0.05	0.09	<0.005
R615659		1.5	630	440	210	0.002	2.91	12.70	10.2	<1	2.2	17.8	0.46	0.05	10.25	0.212
R615660		1.9	610	845	210	0.002	0.71	9.20	10.5	<1	2.6	27.2	0.48	<0.05	11.45	0.217
R615661		2.4	560	597	183.0	<0.002	2.79	13.70	10.6	<1	2.6	29.1	0.39	0.06	10.20	0.190
R615662		14.3	530	483	160.0	0.003	2.78	25.9	9.1	1	5.2	108.0	0.50	0.38	10.90	0.217
R615663		2.5	660	345	192.0	<0.002	0.78	9.13	11.2	<1	3.2	82.1	0.55	<0.05	12.10	0.282
R615664		11.9	410	842	153.0	0.003	6.39	145.0	8.1	1	6.4	31.2	0.43	0.08	6.92	0.175
R615665		4.1	540	169.5	166.0	<0.002	0.76	14.55	10.2	1	2.2	156.0	0.86	<0.05	15.55	0.222
R615666		4.7	640	1120	145.0	0.002	1.15	12.10	11.5	1	3.8	152.0	0.66	0.07	11.55	0.260
R615667		12.9	1320	963	225	<0.002	1.90	10.30	26.2	1	5.6	86.2	0.36	0.06	7.07	0.351

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126435

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R616182		2.93	5.2	70	3.0	13.3	709	27.7	0.005
R616183		2.51	9.6	68	4.3	9.0	2470	25.1	0.060
R616184		2.11	5.3	77	2.1	12.4	156	30.6	<0.005
R616185		1.89	6.3	54	1.8	11.0	163	31.8	<0.005
R616186		2.53	9.9	25	3.4	11.5	1490	44.4	0.553
R616187		3.24	2.3	51	6.3	8.3	651	26.9	0.921
R616188		0.02	0.6	4	0.1	0.9	32	<0.5	<0.005
R616189		3.30	5.5	62	5.6	10.1	1180	29.5	0.307
R616190		2.60	5.4	71	4.9	15.3	97	34.6	0.005
R616191		2.72	5.2	63	5.1	10.2	1770	25.3	0.411
R616192		2.38	5.4	73	3.3	14.7	894	31.0	0.057
R616193		2.26	5.3	55	4.4	9.4	>10000	31.2	4.22
R616194		1.99	4.8	71	2.0	13.8	98	29.0	<0.005
R616195		2.41	4.7	64	1.4	13.6	85	29.0	<0.005
R616196		2.05	3.1	65	2.2	9.2	69	26.0	<0.005
R616197		2.23	3.3	72	5.2	10.6	382	38.4	<0.005
R616198		2.32	4.4	73	4.8	8.5	896	35.2	0.006
R616199		2.50	4.6	68	4.9	8.1	554	36.1	0.007
R616200		1.69	6.2	75	2.3	12.7	58	33.9	<0.005
R615651		1.52	7.8	60	4.9	13.6	74	32.4	0.011
R615652		1.53	4.1	79	1.5	12.8	58	38.3	<0.005
R615653		2.04	4.8	77	1.9	14.1	497	30.9	0.073
R615654		2.18	5.5	80	1.9	15.4	553	30.7	0.117
R615655		2.71	5.7	74	4.2	8.5	480	27.6	0.021
R615656		2.59	5.0	66	5.6	4.5	8420	24.4	1.245
R615657		2.78	4.5	60	4.8	7.8	9060	24.2	6.41
R615658		<0.02	0.5	2	0.1	0.8	31	<0.5	<0.005
R615659		3.05	3.4	75	8.0	4.9	1020	24.3	0.103
R615660		2.87	4.6	73	6.6	5.6	1290	26.7	0.025
R615661		2.80	4.8	64	3.9	4.7	1010	22.2	1.310
R615662		2.38	5.1	67	5.5	11.5	883	28.3	0.343
R615663		3.12	5.6	75	5.5	12.1	459	24.3	0.026
R615664		2.59	3.9	52	6.2	7.1	>10000	21.2	2.53
R615665		2.22	5.1	61	2.7	14.3	647	36.6	0.019
R615666		2.21	4.2	73	3.6	13.5	1280	32.2	0.067
R615667		3.97	5.9	172	4.4	13.4	1900	81.2	0.064

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126435

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126447

Project: Klaza

P.O. No.: Batch 78

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-35a	Pulv 1 kg split to 95%<106 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

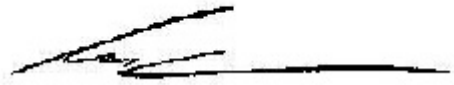
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126447

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R614547		5.36				0.47	7.62	33.1	1990	1.52	1.27	0.66	0.57	48.2	9.2	14
R614548		4.80				0.91	7.08	94.1	780	1.62	2.88	2.00	0.82	44.5	7.2	18
R614549		9.96				1.22	7.39	62.1	1930	1.57	2.55	2.13	0.88	47.0	7.2	15
R614550		<0.02				1.12	7.45	62.5	1980	1.53	2.74	2.18	0.84	45.9	7.2	19
R614551		6.50				0.57	7.37	42.2	1800	1.39	1.17	2.62	0.33	53.0	8.2	16
R614552		5.26				1.59	7.21	71.1	1220	1.54	2.09	2.33	0.79	57.5	8.3	17
R614553		4.78				0.53	7.67	18.5	520	1.68	1.74	2.10	0.68	53.9	8.2	19
R614554		0.30	120	0.976	1.570	>100	5.55	8350	700	1.19	65.6	2.00	236	34.9	10.1	18
R614555		5.16				0.47	7.38	26.7	1510	1.73	1.03	2.55	0.94	44.8	7.5	18
R614556		2.14				0.46	6.82	32.4	350	1.26	1.47	3.40	0.27	39.7	7.5	24
R614557		4.36				1.78	7.47	84.9	430	1.47	2.83	1.28	1.95	47.3	24.1	20
R614558		6.22				0.54	7.76	51.8	550	1.66	1.50	1.66	1.22	62.5	10.8	20
R614559		2.60				0.57	7.51	46.1	380	1.58	1.63	1.71	1.16	59.0	11.5	18
R614560		5.00				0.51	7.22	48.0	450	1.60	1.53	2.54	0.96	51.4	9.0	18
R614561		6.76				0.38	7.34	27.0	970	1.63	0.89	2.24	1.19	45.1	7.2	19
R614562		10.50				0.51	7.15	58.8	470	1.43	1.12	2.66	0.50	41.6	7.7	19
R614563		5.14				0.51	7.41	85.5	420	1.61	1.37	2.32	0.60	60.9	10.4	18
R614564		4.18				0.81	7.34	92.8	270	1.25	3.28	2.02	0.48	44.1	14.9	20
R614565		5.60				0.62	7.40	48.1	1020	1.85	1.26	2.99	0.45	42.8	7.8	18
R614566		0.32				42.1	5.96	2670	100	1.27	38.0	1.77	48.5	33.5	16.9	25
R614567		7.18				0.60	8.02	52.3	790	1.77	1.09	1.95	1.95	58.7	9.5	21
R614568		4.04				0.62	7.65	22.8	870	2.12	1.08	2.62	0.96	53.8	9.9	21
R614569		7.62				0.32	7.14	16.5	880	2.01	1.14	2.78	0.52	36.1	11.9	19
R614570		8.06				0.01	0.06	<0.2	40	0.06	0.03	21.8	0.08	1.06	0.8	1
R614571		12.40				0.68	7.55	26.6	940	1.63	1.16	2.56	1.86	52.9	11.8	20
R614572		4.70				2.18	6.52	75.5	170	1.21	6.46	2.64	1.55	42.8	9.0	20
R614573		8.22				0.58	7.53	26.2	220	1.51	2.72	1.69	0.54	37.0	8.7	18
R614574		7.62				0.46	7.82	23.4	780	1.67	1.24	1.82	0.86	50.2	7.5	19
R614575		7.02				0.38	7.62	35.6	720	1.86	1.65	1.74	0.61	57.6	8.9	21
R614576		9.12				0.69	7.42	59.8	150	1.66	3.23	1.66	1.86	50.6	14.4	24
R614577		5.38				0.70	7.28	51.1	460	1.65	1.43	3.27	0.67	43.4	9.1	17
R614578		5.94				0.44	7.04	38.0	1610	1.53	0.87	3.37	0.66	42.2	7.6	18
R614579		2.46				1.24	6.05	108.5	1140	1.54	1.34	4.35	8.56	44.2	5.2	14
R614580		8.14				<0.01	0.06	<0.2	30	0.07	0.03	21.8	0.08	1.03	0.8	1
R614581		5.38				0.53	7.40	46.6	530	1.48	1.14	2.42	1.27	46.3	8.6	18
R614582		3.96				0.82	7.23	112.5	130	1.56	2.29	1.65	1.45	54.2	6.2	20

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126447

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614547		12.95	72.8	3.74	16.70	0.17	1.0	0.146	3.13	26.1	16.1	0.85	646	6.14	0.45	7.2
R614548		13.50	120.0	3.54	16.65	0.18	1.2	0.137	3.08	23.0	12.8	0.74	400	3.37	0.98	7.2
R614549		11.70	211	3.40	17.20	0.19	1.1	0.140	3.06	24.4	13.8	0.80	365	3.76	1.55	8.1
R614550		11.30	228	3.47	16.70	0.18	1.1	0.131	3.12	24.1	13.6	0.79	370	4.06	1.54	7.7
R614551		15.20	58.8	3.72	16.60	0.20	1.1	0.170	3.03	29.6	18.7	0.86	539	5.90	0.83	8.1
R614552		12.70	256	3.27	17.25	0.18	1.0	0.178	2.79	30.7	15.3	0.75	416	4.36	1.09	6.4
R614553		11.30	28.7	3.53	17.70	0.20	1.0	0.121	2.40	28.1	12.4	0.72	347	3.82	1.71	5.3
R614554		12.35	1310	8.29	13.75	0.18	1.1	4.70	2.34	17.8	32.7	0.65	3140	15.35	0.08	5.9
R614555		14.10	70.0	2.89	18.35	0.19	1.2	0.166	2.48	22.9	11.7	0.66	366	8.03	1.74	7.1
R614556		13.10	47.5	4.26	16.25	0.18	0.9	0.103	2.63	21.6	16.8	1.06	658	9.31	0.07	4.4
R614557		12.95	71.1	3.84	16.50	0.19	0.9	0.119	3.26	25.3	11.8	0.78	473	7.62	0.07	4.4
R614558		15.20	60.2	3.13	17.35	0.23	1.0	0.142	2.96	34.6	15.0	0.82	549	3.41	0.10	5.2
R614559		14.40	63.8	3.22	17.00	0.21	1.0	0.137	2.96	32.2	15.2	0.77	546	3.24	0.08	5.1
R614560		13.35	75.6	3.20	16.85	0.20	1.0	0.100	2.63	27.4	12.1	0.77	394	1.63	0.86	5.7
R614561		13.45	75.8	2.96	17.05	0.19	1.1	0.076	2.40	22.9	14.8	0.72	328	1.96	1.66	6.1
R614562		14.45	103.0	3.15	17.05	0.18	1.0	0.068	2.69	20.4	20.9	0.82	420	1.43	0.59	5.5
R614563		15.50	99.5	3.53	16.95	0.19	1.0	0.067	2.63	32.5	16.3	0.71	302	1.66	1.14	5.3
R614564		11.05	58.4	5.89	18.30	0.19	0.9	0.117	3.33	23.1	7.6	0.87	532	1.32	0.28	4.3
R614565		19.25	153.0	3.01	17.00	0.14	0.9	0.048	2.41	22.2	22.1	0.51	377	1.93	1.54	6.3
R614566		9.84	1270	9.86	14.30	0.07	0.8	1.595	2.74	16.8	17.5	0.72	2550	18.15	0.07	5.1
R614567		15.90	128.5	3.14	17.60	0.13	0.9	0.063	2.72	30.7	24.5	0.59	336	2.99	0.30	6.2
R614568		14.95	145.0	2.87	16.50	0.14	0.9	0.064	2.21	29.1	9.2	0.52	323	2.43	1.89	5.8
R614569		11.95	28.0	2.86	16.80	0.11	0.9	0.041	2.12	19.5	16.2	0.60	310	6.58	1.25	5.1
R614570		0.23	6.2	0.48	0.42	0.30	<0.1	0.007	0.02	0.5	1.2	13.60	218	0.09	0.01	0.2
R614571		10.25	135.5	3.51	16.05	0.22	0.9	0.081	2.45	29.0	17.0	0.79	427	3.09	1.04	5.7
R614572		7.33	127.0	5.28	14.80	0.08	0.9	0.160	2.92	22.2	12.3	0.51	360	3.09	0.08	4.3
R614573		9.61	68.0	4.38	17.95	0.11	0.9	0.109	2.71	18.4	10.8	0.76	224	4.25	0.66	4.6
R614574		10.70	46.6	3.24	16.30	0.16	0.8	0.053	2.46	26.7	8.1	0.62	230	2.66	1.79	4.8
R614575		10.95	44.5	3.40	16.60	0.17	0.8	0.053	2.28	32.9	12.1	0.92	257	5.06	1.76	5.0
R614576		9.25	119.5	4.84	15.80	0.14	0.9	0.053	2.80	26.1	10.0	0.83	276	5.66	1.46	4.9
R614577		9.22	132.5	4.27	16.55	0.14	0.9	0.169	3.13	22.3	15.9	0.80	398	3.26	0.80	6.3
R614578		13.80	68.9	3.18	16.20	0.18	1.0	0.059	2.64	21.7	27.2	0.59	586	1.33	0.23	7.6
R614579		14.05	119.0	3.08	13.95	0.18	0.8	0.107	2.73	24.7	22.0	1.14	1680	2.40	0.04	5.6
R614580		0.13	1.6	0.49	0.34	0.23	<0.1	0.007	0.02	0.5	1.1	13.50	224	0.16	<0.01	0.1
R614581		14.10	61.0	3.84	15.95	0.18	1.1	0.112	3.10	24.0	14.5	0.58	575	1.42	0.42	6.8
R614582		11.85	58.6	5.91	16.55	0.12	0.9	0.221	3.25	28.2	8.4	0.75	676	1.78	0.04	6.7

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CERTIFICATE OF ANALYSIS VA16126447

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614547		3.0	610	21.5	135.0	<0.002	0.97	5.67	10.5	1	2.3	86.8	0.55	0.14	14.80	0.229
R614548		2.8	570	38.1	146.5	<0.002	2.03	9.28	10.1	2	3.2	182.5	0.60	0.16	13.30	0.214
R614549		2.7	620	46.5	137.0	<0.002	1.33	9.08	10.6	1	3.5	272	0.63	0.26	13.35	0.239
R614550		2.6	620	50.5	134.5	<0.002	1.40	9.13	10.3	1	3.4	273	0.60	0.32	13.45	0.237
R614551		2.9	580	27.3	146.0	<0.002	0.86	6.90	10.5	1	3.1	196.0	0.63	0.13	15.15	0.231
R614552		2.6	570	44.9	157.0	<0.002	1.96	12.60	10.4	1	4.2	168.5	0.50	0.22	13.15	0.199
R614553		2.6	600	45.8	121.5	<0.002	2.75	6.57	10.8	2	5.1	246	0.41	0.23	14.00	0.173
R614554		15.0	480	>10000	140.0	0.003	7.30	223	7.5	1	8.6	127.0	0.44	0.44	9.21	0.184
R614555		2.8	580	43.6	112.0	<0.002	1.47	11.25	10.3	1	3.7	318	0.55	0.26	12.65	0.209
R614556		2.8	730	23.2	127.5	<0.002	3.47	21.8	9.4	2	6.0	93.8	0.36	0.21	12.15	0.141
R614557		2.8	560	119.0	160.5	<0.002	3.76	18.55	9.5	2	5.1	38.0	0.38	0.16	13.95	0.149
R614558		2.4	560	47.1	151.5	<0.002	2.54	20.4	10.2	2	4.5	70.8	0.43	0.21	14.45	0.166
R614559		2.6	580	46.2	135.5	<0.002	2.63	21.2	10.1	2	4.5	74.9	0.40	0.30	13.30	0.163
R614560		2.8	560	43.8	127.0	<0.002	2.67	11.60	10.2	2	4.6	188.0	0.46	0.30	12.90	0.185
R614561		2.9	580	47.2	114.5	<0.002	1.89	6.85	10.3	1	3.3	234	0.49	0.15	12.90	0.193
R614562		2.8	590	25.1	115.5	<0.002	2.17	11.45	9.5	1	4.0	144.0	0.43	0.24	11.15	0.184
R614563		2.7	610	29.3	138.5	<0.002	2.79	5.63	10.7	2	4.0	200	0.41	0.20	12.65	0.179
R614564		2.7	570	38.5	170.5	<0.002	5.57	4.76	10.0	2	8.4	83.8	0.33	0.37	11.55	0.156
R614565		3.4	640	28.5	104.0	0.002	1.88	5.92	10.6	2	3.8	284	0.45	0.33	10.80	0.226
R614566		15.4	490	1740	146.0	0.002	8.36	113.0	8.4	2	11.7	64.5	0.39	0.83	8.45	0.178
R614567		2.6	630	48.3	125.0	<0.002	2.41	12.90	10.9	2	4.4	77.4	0.46	0.44	12.95	0.205
R614568		2.7	610	43.7	106.0	<0.002	2.23	4.66	10.2	2	4.5	294	0.46	0.46	11.85	0.194
R614569		3.5	590	23.2	80.7	<0.002	2.41	3.32	9.4	2	4.6	221	0.41	0.41	9.94	0.183
R614570		1.8	170	1.4	1.5	<0.002	<0.01	0.08	0.2	<1	<0.2	49.1	<0.05	<0.05	0.06	<0.005
R614571		2.9	600	63.8	111.5	<0.002	2.74	3.20	10.0	2	4.8	166.0	0.44	0.37	12.20	0.195
R614572		2.5	520	67.2	136.5	<0.002	5.16	4.35	8.4	2	9.0	66.3	0.36	2.01	10.70	0.144
R614573		2.9	880	20.2	127.0	0.003	4.06	2.72	10.3	2	9.1	104.5	0.36	0.68	11.45	0.159
R614574		3.1	580	30.3	117.5	<0.002	2.90	2.81	10.1	2	5.3	210	0.39	0.48	12.55	0.163
R614575		3.1	600	25.1	115.5	<0.002	3.06	3.07	9.5	2	4.9	244	0.39	0.74	13.45	0.166
R614576		2.9	570	57.8	142.0	<0.002	4.52	3.41	9.8	2	5.8	199.5	0.40	1.07	12.30	0.167
R614577		2.7	590	28.1	159.5	<0.002	3.03	11.50	10.1	2	5.4	193.5	0.50	0.28	11.80	0.202
R614578		2.4	590	40.6	90.5	<0.002	1.41	18.00	9.9	1	3.2	147.5	0.62	0.20	11.50	0.242
R614579		2.4	480	483	138.5	<0.002	1.71	52.0	8.4	1	4.6	107.5	0.44	0.24	11.05	0.188
R614580		1.9	180	1.7	1.0	<0.002	<0.01	0.14	0.1	1	<0.2	48.3	<0.05	<0.05	0.08	<0.005
R614581		2.8	590	56.7	129.0	<0.002	2.52	16.05	9.9	2	4.2	132.5	0.53	0.23	11.50	0.234
R614582		2.7	550	70.5	153.5	<0.002	5.47	9.00	9.5	2	8.8	40.5	0.54	0.53	12.40	0.211

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614547		1.92	2.6	67	2.1	14.7	247	27.3	0.059
R614548		1.98	4.0	64	2.8	14.9	97	31.3	0.338
R614549		1.63	3.8	68	3.1	16.1	94	30.9	0.218
R614550		1.71	3.9	68	3.0	15.5	98	30.4	0.254
R614551		1.93	2.9	66	3.1	18.0	102	30.7	0.138
R614552		2.07	4.5	65	3.4	16.6	97	29.0	0.261
R614553		1.64	5.0	64	3.2	17.2	90	28.1	0.070
R614554		2.40	5.6	55	4.8	9.9	>10000	34.6	4.43
R614555		1.83	5.1	65	2.9	16.3	108	31.1	0.066
R614556		1.87	4.7	63	3.0	16.3	65	23.1	0.184
R614557		2.86	4.2	58	5.0	13.3	199	24.8	0.045
R614558		2.36	4.6	60	3.5	15.7	116	26.3	0.059
R614559		2.28	4.1	60	3.4	14.9	116	25.9	0.060
R614560		2.10	4.6	63	3.6	14.9	100	26.8	0.090
R614561		1.82	4.6	65	2.4	14.1	118	28.2	0.057
R614562		2.29	4.5	64	3.2	13.5	62	25.6	0.096
R614563		2.18	4.8	66	2.8	14.9	65	25.7	0.153
R614564		2.40	3.6	65	4.7	13.1	58	23.1	0.161
R614565		1.70	3.3	75	2.6	13.2	71	28.1	0.133
R614566		2.40	5.3	61	7.3	8.5	3650	24.4	1.700
R614567		2.20	3.3	69	2.8	15.4	124	24.7	0.097
R614568		1.77	3.7	68	2.1	16.4	87	24.9	0.064
R614569		1.65	2.9	79	2.4	9.6	62	25.5	0.103
R614570		<0.02	0.3	3	0.1	0.7	19	<0.5	<0.005
R614571		1.99	3.3	70	2.9	14.5	169	25.1	0.096
R614572		1.95	3.5	56	3.2	11.8	134	24.2	0.489
R614573		1.71	3.9	69	3.8	14.1	56	24.9	0.071
R614574		1.64	3.5	64	3.0	14.5	67	23.8	0.073
R614575		1.59	4.2	70	3.3	12.3	71	23.4	0.090
R614576		1.90	4.0	62	2.6	16.3	128	23.4	0.183
R614577		2.18	2.7	66	3.0	16.2	91	26.3	0.113
R614578		1.68	5.4	68	2.4	15.0	92	29.9	0.102
R614579		2.41	5.0	58	3.4	13.4	697	22.6	0.250
R614580		0.02	0.6	3	0.1	0.7	20	<0.5	<0.005
R614581		2.15	5.1	71	2.3	14.5	130	30.6	0.084
R614582		3.05	4.8	64	8.0	11.0	141	26.9	0.111

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126447

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126451

Project: Klaza

P.O. No.: Batch 79

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

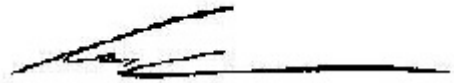
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126451

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614583		2.48	4.89	5.35	291	380	1.07	17.85	2.52	5.03	64.9	7.7	9	9.14	296	6.36
R614584		0.32	4.49	6.64	715	1040	1.36	3.49	2.04	10.20	48.9	12.3	24	13.45	308	4.96
R614585		8.78	0.58	7.24	72.7	1170	1.57	0.96	2.33	1.10	49.1	6.7	14	17.30	85.3	3.42
R614586		4.00	0.50	7.12	78.0	1020	1.46	0.55	3.21	1.22	46.2	7.3	15	22.3	55.2	3.01
R614587		5.32	0.29	7.47	26.0	1500	1.47	0.73	1.98	0.28	53.2	7.3	13	16.15	61.8	2.56
R614588		2.26	0.35	7.34	33.3	1560	1.48	0.68	2.16	1.10	47.9	6.8	13	15.85	70.1	2.58
R614589		7.92	0.40	7.71	33.7	2060	1.67	1.16	2.06	0.35	56.2	6.6	16	11.80	59.4	3.35
R614590		3.44	0.79	7.55	85.2	550	1.74	2.02	1.76	0.74	56.7	8.3	15	14.70	97.3	4.82
R614591		6.40	1.71	7.38	150.5	710	1.58	4.14	1.40	1.98	57.7	6.3	16	14.65	50.7	5.50
R614592		3.74	3.08	7.33	166.5	660	1.53	31.2	1.37	2.28	59.6	5.7	14	16.15	159.5	3.99
R614593		1.70	3.00	4.71	159.0	460	1.08	10.80	2.76	2.22	24.9	5.8	19	7.56	168.0	5.42
R614594		6.50	0.01	0.05	<0.2	20	0.05	0.06	20.7	0.07	1.07	0.7	1	0.14	2.3	0.47
R614595		3.94	0.92	7.17	136.0	860	1.63	2.97	1.83	0.92	54.3	5.7	13	14.00	71.7	3.99
R614596		11.78	0.39	7.39	23.3	2100	1.70	1.09	2.03	0.51	52.5	7.1	16	11.40	64.2	3.14
R614597		<0.02	0.42	7.74	23.8	2180	1.64	1.15	2.10	0.46	52.1	6.9	17	11.35	68.0	3.24
R614598		9.62	0.42	6.94	51.1	810	1.42	1.75	2.29	0.93	53.4	14.4	13	12.50	110.5	3.02
R614599		6.94	1.04	7.29	71.6	880	1.44	8.33	2.05	0.54	50.1	5.0	14	11.80	266	3.46
R614600		3.18	0.58	7.08	55.4	1280	1.67	2.12	4.04	0.46	58.8	6.2	12	17.20	104.5	3.60
R614601		6.32	0.28	6.85	18.0	1360	1.48	0.72	3.41	0.22	49.1	7.2	13	13.90	58.3	2.95
R614602		7.56	0.57	7.28	13.0	1330	1.46	1.41	3.15	2.99	51.1	8.4	14	11.40	94.9	3.20
R614603		11.52	0.40	7.65	6.7	1440	1.44	2.54	2.26	0.30	54.0	7.2	16	9.22	98.9	3.36
R614604		5.28	0.94	7.60	19.2	600	1.51	6.52	2.13	0.76	55.4	7.4	15	11.45	198.0	3.65
R614605		7.90	3.79	6.66	116.5	220	1.13	26.1	0.74	1.55	47.1	9.7	15	7.50	236	6.65
R614606		6.38	0.86	7.30	42.7	520	1.43	3.73	1.25	0.93	100.5	11.1	14	10.25	72.2	4.91
R614607		0.32	39.5	5.71	2520	580	1.15	38.1	1.65	45.7	37.0	16.8	22	10.65	1165	9.10
R614608		7.76	0.30	7.31	11.2	510	1.66	1.30	2.56	0.38	53.3	27.9	16	13.15	51.8	3.13
R614609		8.54	0.47	7.30	21.9	360	1.19	2.25	2.25	0.68	135.5	24.1	15	12.90	21.6	3.33
R614610		11.66	0.47	7.51	11.8	780	1.41	1.61	2.21	0.93	62.1	10.6	16	10.15	99.4	3.05
R614611		13.54	0.33	7.70	36.2	2160	1.59	1.11	2.19	0.34	53.8	7.2	14	13.30	67.8	3.00
R614612		4.12	1.02	6.93	156.5	750	1.50	3.04	2.33	1.84	60.5	5.4	13	14.05	63.8	4.21
R614613		9.02	0.01	0.06	<0.2	30	0.05	0.04	21.7	0.07	1.09	0.6	<1	0.22	1.7	0.49
R614614		3.50	0.90	6.78	64.9	700	1.32	2.46	1.38	1.91	43.7	9.9	13	11.05	62.8	4.16
R614615		3.64	0.51	7.59	77.7	850	1.84	1.45	1.91	1.06	47.1	7.8	15	19.10	181.5	2.97
R614616		3.96	0.23	7.66	13.3	1200	1.27	0.93	1.70	0.35	49.9	16.1	13	14.15	67.8	3.81
R614617		11.32	0.16	8.17	12.8	2360	1.45	0.87	1.25	0.19	53.3	8.9	16	11.05	33.8	2.85
R614618		8.68	0.23	7.88	23.0	1550	1.13	1.16	1.75	0.16	53.6	12.4	15	15.80	40.8	3.84

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126451

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614583		12.60	0.06	0.8	0.226	2.36	36.9	14.5	1.11	1420	7.05	0.03	4.9	2.2	360	199.5
R614584		15.45	0.06	1.2	0.302	2.90	27.6	24.5	0.77	1840	14.05	0.15	6.1	14.8	530	476
R614585		16.80	<0.05	1.2	0.069	3.07	26.3	17.9	0.81	673	3.15	0.13	7.2	2.5	570	90.9
R614586		16.55	0.05	1.0	0.067	2.84	24.2	23.0	1.09	857	2.45	0.06	7.4	2.3	580	119.0
R614587		17.50	<0.05	1.3	0.068	2.65	27.9	31.8	0.56	307	2.35	0.36	8.0	2.4	580	19.3
R614588		17.25	<0.05	1.4	0.081	2.81	24.6	28.0	0.56	409	2.49	0.48	8.1	2.4	590	35.2
R614589		17.45	0.05	1.3	0.144	3.12	30.1	14.3	0.66	371	2.23	1.46	8.0	2.5	610	26.2
R614590		18.05	0.06	1.3	0.296	3.43	29.8	12.4	0.75	758	2.71	0.32	7.1	2.5	570	35.0
R614591		16.85	<0.05	1.1	0.300	3.28	31.4	14.7	0.73	987	2.60	0.05	7.1	2.5	540	106.5
R614592		16.40	0.05	1.3	0.227	3.44	33.2	7.1	0.74	1040	3.06	0.04	7.2	2.4	540	155.0
R614593		11.50	<0.05	0.7	0.118	2.29	13.4	28.3	1.32	1930	11.15	0.03	4.2	2.0	350	122.0
R614594		0.17	<0.05	<0.1	0.005	0.02	0.5	1.0	12.70	204	0.26	<0.01	0.2	1.6	160	1.5
R614595		16.80	0.08	1.2	0.219	3.19	30.6	13.0	0.78	782	1.58	0.05	6.7	2.1	530	61.9
R614596		17.40	0.05	1.2	0.201	2.76	28.2	15.8	0.70	301	2.07	1.42	7.9	2.6	600	31.4
R614597		17.45	<0.05	1.2	0.195	2.89	27.5	16.4	0.72	312	2.36	1.46	8.1	2.7	610	30.8
R614598		17.20	<0.05	1.0	0.105	2.13	29.1	19.4	0.79	256	4.51	0.66	6.2	3.1	550	40.4
R614599		18.00	<0.05	1.2	0.187	2.87	26.7	9.6	0.64	337	3.18	1.01	7.0	2.3	560	28.9
R614600		16.20	<0.05	1.1	0.148	2.73	31.7	11.2	1.54	824	1.50	0.06	6.9	2.3	520	23.8
R614601		15.70	<0.05	1.0	0.042	2.25	25.1	11.1	0.84	319	2.08	1.63	7.1	2.3	600	15.3
R614602		17.05	<0.05	1.1	0.090	2.41	27.3	10.7	0.75	346	1.63	1.80	7.2	2.4	580	142.0
R614603		17.05	<0.05	1.2	0.060	2.78	28.2	13.3	0.90	255	3.31	1.84	7.4	2.4	600	21.8
R614604		18.40	<0.05	1.0	0.123	2.98	29.0	11.1	0.74	425	1.39	1.15	6.4	2.4	580	66.9
R614605		22.0	0.06	0.8	0.200	3.34	25.7	5.2	0.47	265	1.24	0.05	2.9	2.7	530	149.0
R614606		18.10	0.07	0.9	0.182	3.56	60.5	5.7	0.70	273	6.95	0.14	3.5	2.0	570	47.5
R614607		14.35	0.05	0.9	1.645	2.61	18.9	16.5	0.67	2250	17.90	0.06	4.9	14.5	460	1640
R614608		16.65	<0.05	1.2	0.049	2.02	28.6	8.6	0.62	201	4.94	1.89	6.3	3.7	550	21.2
R614609		17.25	0.07	1.1	0.084	2.05	90.7	14.7	0.55	237	7.52	1.13	5.7	7.3	580	34.1
R614610		16.50	<0.05	1.0	0.090	1.94	34.4	9.8	0.71	183	42.8	2.44	6.1	2.7	590	26.8
R614611		16.35	<0.05	1.1	0.081	2.93	28.8	17.4	0.79	407	2.62	1.42	7.4	2.4	560	19.3
R614612		15.85	0.06	1.0	0.190	3.12	34.1	10.8	1.09	1520	3.94	0.04	6.6	2.3	490	87.0
R614613		0.20	<0.05	<0.1	0.007	0.02	0.5	0.9	13.25	212	0.10	0.01	0.2	1.5	170	1.3
R614614		15.95	0.10	1.1	0.160	3.17	24.2	12.9	0.67	727	9.01	0.19	4.7	3.0	510	77.9
R614615		18.30	0.09	1.0	0.191	3.02	24.6	13.2	0.90	436	3.08	0.27	4.9	2.8	600	28.5
R614616		16.15	0.09	0.8	0.060	2.16	25.5	20.5	0.75	229	1.65	0.43	4.5	3.0	550	17.2
R614617		18.40	0.11	1.1	0.094	2.80	28.3	28.6	0.46	224	1.40	0.12	8.0	3.2	690	16.5
R614618		17.90	0.11	1.1	0.102	2.61	27.5	26.8	0.64	328	1.23	0.11	7.9	3.0	640	16.8

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Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126451

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614583		103.5	0.002	6.21	75.9	7.3	8	13.1	99.1	0.42	2.04	10.85	0.146	1.83	5.4	47
R614584		158.5	0.005	2.68	28.1	9.1	1	5.6	110.5	0.49	0.26	11.10	0.197	2.44	5.1	64
R614585		127.0	0.002	2.01	10.65	9.9	1	3.5	86.0	0.58	0.23	12.10	0.220	2.48	6.1	65
R614586		108.5	<0.002	1.31	12.95	10.7	1	3.3	91.0	0.53	0.26	9.36	0.249	2.19	5.1	73
R614587		105.0	<0.002	1.20	22.3	9.6	2	3.3	141.0	0.66	0.17	14.05	0.225	1.72	6.9	63
R614588		105.5	<0.002	1.15	24.2	9.3	1	3.4	149.0	0.74	0.19	12.90	0.237	1.82	6.3	65
R614589		132.5	<0.002	1.52	5.87	10.0	2	3.8	280	0.68	0.14	14.75	0.239	2.01	5.8	66
R614590		179.0	<0.002	3.12	15.35	9.6	2	7.0	102.5	0.61	0.26	13.95	0.216	2.82	4.8	63
R614591		194.5	<0.002	3.62	13.00	9.7	1	7.6	48.0	0.59	0.14	15.00	0.214	2.97	5.4	61
R614592		181.5	<0.002	3.60	41.5	9.3	3	7.5	29.8	0.63	0.38	14.95	0.212	3.35	3.7	61
R614593		130.5	0.002	5.06	78.5	6.2	4	9.3	43.4	0.36	2.59	8.21	0.136	1.97	3.9	43
R614594		0.9	<0.002	0.01	0.12	0.1	1	<0.2	52.0	<0.05	<0.05	0.08	<0.005	<0.02	0.6	1
R614595		185.5	<0.002	2.64	21.3	9.7	1	7.6	51.5	0.57	0.20	14.05	0.216	2.69	4.7	60
R614596		113.0	<0.002	1.09	7.77	10.5	1	4.6	257	0.63	0.14	13.05	0.238	1.70	5.1	67
R614597		114.5	<0.002	1.13	7.81	10.2	1	4.6	265	0.64	0.18	13.10	0.251	1.68	5.2	69
R614598		106.0	0.002	2.17	8.80	9.6	2	7.3	155.5	0.52	0.41	13.40	0.198	1.64	4.3	64
R614599		144.0	<0.002	2.39	6.95	9.1	1	8.2	164.5	0.60	0.64	13.20	0.222	2.04	4.0	64
R614600		134.5	<0.002	2.22	16.35	9.4	1	5.9	111.5	0.55	0.38	13.90	0.205	2.12	5.0	60
R614601		92.2	<0.002	1.44	2.39	9.5	1	4.0	252	0.56	0.14	11.45	0.219	1.45	3.7	65
R614602		106.0	<0.002	1.72	1.78	10.1	2	5.5	306	0.59	0.26	13.15	0.224	1.72	5.0	65
R614603		112.0	0.002	1.76	2.20	10.1	2	4.4	328	0.62	0.13	13.35	0.229	1.58	4.3	68
R614604		143.0	<0.002	2.54	4.30	9.7	1	7.4	292	0.51	0.42	12.45	0.208	2.19	4.8	64
R614605		198.5	<0.002	6.86	10.95	8.5	3	23.5	26.1	0.25	4.51	10.75	0.109	2.53	3.7	59
R614606		196.5	0.003	4.68	2.84	8.2	1	15.7	42.5	0.31	0.54	13.00	0.120	2.53	3.5	55
R614607		148.0	0.004	7.77	109.0	8.0	2	11.3	66.8	0.43	0.76	8.90	0.162	2.24	5.6	55
R614608		84.9	<0.002	2.55	2.67	9.1	2	5.1	379	0.55	0.30	11.95	0.192	1.42	5.1	59
R614609		108.0	<0.002	3.03	7.48	8.9	2	6.7	179.5	0.52	0.44	13.85	0.173	1.88	5.6	65
R614610		94.3	0.015	2.62	4.14	9.3	2	5.9	289	0.51	0.51	12.95	0.198	1.38	4.4	63
R614611		121.5	<0.002	1.27	4.61	9.3	1	3.4	265	0.62	0.22	13.50	0.231	1.79	3.8	63
R614612		169.5	<0.002	3.69	20.2	8.9	1	7.0	70.3	0.52	0.35	13.10	0.203	3.25	4.0	60
R614613		1.3	<0.002	0.01	<0.05	0.1	1	<0.2	47.4	<0.05	<0.05	0.08	<0.005	0.02	0.7	1
R614614		179.0	0.002	3.66	15.40	9.1	2	7.4	81.3	0.42	0.34	13.15	0.154	2.74	3.8	60
R614615		137.5	<0.002	2.17	19.35	10.6	1	5.4	89.1	0.41	0.27	11.05	0.183	2.71	3.7	65
R614616		108.5	<0.002	3.06	6.00	9.8	2	3.6	120.0	0.35	0.24	11.20	0.169	1.64	4.8	59
R614617		126.0	<0.002	1.47	13.95	12.3	1	4.1	96.8	0.64	0.18	14.40	0.262	1.69	5.5	75
R614618		115.0	<0.002	1.94	12.95	11.9	1	4.3	92.1	0.64	0.35	13.30	0.254	1.64	4.7	74

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126451

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614583		10.9	11.5	434	20.1	0.255
R614584		5.5	11.0	846	30.6	0.345
R614585		3.5	13.2	119	29.5	0.104
R614586		4.1	13.7	133	26.1	0.106
R614587		2.1	13.9	45	32.8	0.051
R614588		2.0	12.9	125	33.6	0.060
R614589		2.4	14.4	64	33.6	0.059
R614590		5.4	13.8	93	30.6	0.412
R614591		5.8	12.9	197	29.4	0.263
R614592		6.6	10.8	241	31.5	0.070
R614593		7.1	7.8	221	17.7	0.148
R614594		0.1	0.7	19	<0.5	<0.005
R614595		4.8	13.2	109	26.9	0.350
R614596		1.8	14.1	74	31.0	0.080
R614597		1.8	14.0	77	29.8	0.097
R614598		2.7	12.4	91	24.3	0.106
R614599		3.8	12.2	72	28.3	0.178
R614600		3.4	15.6	74	29.3	0.050
R614601		3.6	14.3	42	24.1	0.045
R614602		3.3	15.0	328	25.7	0.113
R614603		2.8	13.8	51	28.2	0.069
R614604		4.7	12.4	89	25.6	0.136
R614605		9.2	7.3	148	19.7	0.277
R614606		5.0	10.9	105	22.4	0.223
R614607		7.8	8.9	3290	22.6	1.830
R614608		3.1	13.2	47	26.6	0.046
R614609		4.9	11.8	72	24.9	0.125
R614610		3.1	13.1	90	23.0	0.139
R614611		2.2	14.2	59	27.2	0.058
R614612		4.7	10.7	198	25.3	0.136
R614613		0.1	0.7	16	<0.5	<0.005
R614614		4.2	9.9	196	27.7	0.120
R614615		2.4	13.2	109	27.8	0.112
R614616		1.7	13.8	52	24.4	0.083
R614617		4.2	14.9	45	29.9	0.023
R614618		3.4	15.3	49	30.2	0.024

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126451

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126453

Project: Klaza

P.O. No.: Batch 80

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126453

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R615668		3.64				0.18	6.66	28.2	2930	1.81	0.15	1.82	0.32	62.4	5.0	20
R615669		4.12				1.90	6.80	777	680	1.42	1.64	1.50	5.45	45.4	6.0	9
R615670		2.06	16.60		1.315	55.0	5.51	788	230	1.28	30.1	2.59	140.5	39.4	6.9	6
R615671		4.80				0.88	7.44	37.7	2120	1.53	1.28	2.59	1.62	42.5	6.3	11
R615672		2.14			1.850	44.0	6.05	408	180	1.23	46.8	2.18	291	40.1	13.9	7
R615673		6.30				0.14	0.07	0.5	40	0.06	0.10	20.4	0.50	1.09	0.7	<1
R615674		2.04				0.36	7.39	16.7	1770	1.39	0.42	2.28	0.58	41.2	4.6	8
R615675		2.08				6.46	7.02	916	460	1.41	2.82	0.39	17.80	44.7	4.6	7
R615676		9.76				0.92	7.71	16.7	1470	1.66	0.51	2.31	7.78	50.8	5.0	9
R615677		0.32				4.43	6.81	674	410	1.40	3.18	2.05	10.70	47.3	12.2	25
R615678		1.92				1.78	7.92	30.0	1190	1.54	0.45	2.13	13.85	51.9	9.1	8
R615679		2.52				2.75	7.60	145.5	760	1.57	2.23	1.23	3.05	49.7	6.8	15
R615680		4.20				1.60	7.56	194.0	770	1.44	1.15	0.66	3.96	51.8	4.2	11
R615681		<0.02				1.39	7.38	208	740	1.32	1.05	0.67	4.28	49.7	4.5	10
R615682		5.56				0.94	7.94	46.9	950	1.38	0.75	1.34	2.85	46.1	3.8	8
R615683		3.98				0.21	6.80	10.4	700	1.40	0.31	3.60	0.31	32.4	1.8	12
R615684		4.08				0.28	6.94	15.0	790	1.52	0.20	2.55	0.72	29.5	1.6	9
R615685		1.64				0.33	6.81	20.6	810	1.39	0.28	2.72	0.63	28.3	1.9	8
R615686		6.92				0.64	7.69	41.4	620	1.28	0.54	1.39	2.94	33.0	1.7	9
R615687		5.90				1.35	6.73	92.9	720	1.29	1.08	3.24	0.94	24.3	1.3	10
R615688		4.32				29.6	5.62	659	740	1.16	13.10	3.13	37.5	60.6	7.0	45
R615689		6.10				0.04	0.08	0.4	50	0.07	0.05	20.3	0.11	1.16	0.6	<1
R615690		12.86				0.60	7.09	23.8	750	1.57	0.60	4.26	0.79	46.9	4.0	52
R615691		2.14				2.66	6.70	307	310	0.83	1.72	0.96	5.97	77.7	6.0	78
R615692		2.36				0.57	7.99	13.6	880	1.59	0.55	5.40	6.21	68.7	6.2	68
R615693		0.30		118	1.585	>100	5.35	8130	650	1.23	62.7	1.92	227	34.3	10.4	18
R615694		3.82				0.19	7.67	23.3	1680	1.72	0.25	3.71	0.23	41.7	5.0	30
R615695		3.00				0.42	7.45	11.2	990	1.56	0.35	2.91	5.12	41.9	3.8	9
R615696		3.16				2.59	8.06	2970	1050	1.55	2.48	2.19	21.2	59.0	4.3	78
R615697		1.84				1.60	7.04	1265	520	1.19	1.85	0.59	21.6	57.9	4.1	44
R615698		9.24				0.17	7.05	14.5	1020	1.56	0.24	3.17	0.78	39.2	3.2	10
R615699		2.10				2.02	7.03	19.3	1030	1.53	1.95	2.16	25.0	37.0	1.9	9
R615700		2.90				3.43	7.36	851	980	1.42	4.16	0.46	17.30	42.4	7.9	9
R615701		2.88				1.72	7.09	2350	450	1.21	3.06	0.70	11.00	37.6	9.1	16
R615702		2.32				0.94	7.73	47.2	1730	1.86	1.57	1.43	5.51	52.9	6.9	9
R615703		3.28				0.21	7.38	11.4	2150	1.57	0.31	2.26	0.43	46.0	7.3	9

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615668		24.2	3.6	2.51	16.95	0.11	3.9	0.028	2.39	31.7	86.0	0.65	853	0.94	0.05	9.6
R615669		17.05	27.9	4.37	14.85	0.10	1.4	0.259	2.77	23.3	55.7	0.65	1630	3.29	0.03	6.9
R615670		13.90	499	9.05	12.50	0.11	0.9	1.310	2.33	22.1	21.6	1.15	2940	6.35	0.02	5.0
R615671		16.90	10.1	3.91	17.00	0.10	1.1	0.119	2.65	20.3	33.9	0.85	1020	2.51	1.92	7.7
R615672		16.85	1010	7.46	12.85	0.12	0.8	5.80	2.33	19.7	75.9	0.74	1600	1.74	0.48	5.7
R615673		0.20	4.1	0.48	0.19	0.06	<0.1	0.008	0.03	0.5	1.4	12.90	205	0.22	0.01	0.2
R615674		21.1	9.5	3.54	16.15	0.13	2.4	0.180	2.89	20.0	120.0	0.78	1730	1.73	0.89	7.0
R615675		14.55	277	8.85	15.45	0.09	2.3	0.462	3.04	23.9	57.9	0.67	4180	1.95	0.03	5.9
R615676		16.90	14.8	4.80	16.70	0.10	1.1	0.372	2.85	25.9	55.1	0.95	2100	1.68	0.99	7.1
R615677		12.80	309	5.02	15.40	0.12	1.0	0.310	2.95	26.2	27.2	0.77	1870	15.65	0.15	6.1
R615678		14.15	26.4	5.50	16.10	0.10	0.9	0.315	3.07	26.5	53.0	0.98	2060	0.85	0.05	6.8
R615679		13.15	65.7	7.29	16.00	0.09	1.0	0.375	2.63	26.9	59.0	0.91	2940	1.60	0.04	6.6
R615680		9.42	24.4	7.28	16.15	0.10	0.9	0.469	2.86	28.0	64.5	0.89	3480	1.39	0.04	6.3
R615681		9.10	25.4	7.12	15.60	0.10	0.9	0.470	2.77	26.6	64.4	0.87	3330	1.42	0.04	6.2
R615682		10.10	14.8	4.38	17.20	0.12	0.9	0.322	2.47	21.8	47.3	0.70	1980	0.92	0.05	7.0
R615683		7.72	4.9	2.18	17.30	0.10	0.8	0.207	1.99	10.8	17.0	0.56	1160	0.47	1.05	6.5
R615684		8.17	6.3	2.06	17.05	0.11	0.7	0.270	2.91	9.8	25.6	0.82	1720	1.16	0.06	5.2
R615685		7.80	5.9	2.01	17.15	0.10	0.7	0.292	2.88	8.9	24.3	0.82	1580	1.11	0.06	5.2
R615686		7.67	7.3	2.51	16.35	0.13	0.8	0.387	2.20	11.9	33.2	0.64	1600	0.33	0.05	6.0
R615687		8.48	39.9	2.71	15.90	0.11	0.7	0.369	2.69	7.6	72.8	0.72	2330	0.47	0.08	6.3
R615688		9.90	57.3	7.14	14.95	0.12	1.0	0.982	2.24	31.9	42.3	1.42	4520	2.66	0.04	4.6
R615689		0.18	5.0	0.48	0.25	0.06	<0.1	0.007	0.03	0.5	1.5	12.90	210	0.10	<0.01	0.2
R615690		18.35	2.7	4.33	16.40	0.10	1.4	0.203	1.08	21.7	40.6	1.46	1350	0.42	2.55	6.7
R615691		7.39	25.4	15.75	17.00	0.14	1.6	0.361	1.06	42.6	115.5	2.28	4240	1.04	0.03	4.5
R615692		20.4	13.4	5.42	18.30	0.11	1.8	0.281	0.83	34.4	47.8	2.51	1560	0.41	2.49	6.8
R615693		11.65	1255	8.03	13.55	0.11	1.1	4.68	2.30	18.5	34.6	0.62	3010	15.40	0.08	5.6
R615694		20.8	4.2	3.55	17.10	0.12	1.3	0.097	1.39	20.2	18.1	1.21	674	1.59	3.08	8.1
R615695		7.66	6.5	2.87	16.50	0.13	0.9	0.162	2.64	17.5	45.9	1.13	1220	0.33	0.47	6.7
R615696		8.34	26.1	5.00	19.70	0.14	2.0	0.809	3.43	21.9	39.9	1.34	1800	0.24	0.09	6.1
R615697		6.38	19.6	10.35	18.10	0.12	1.4	0.620	2.23	25.8	38.5	1.56	2340	0.26	0.05	5.6
R615698		7.96	3.7	2.29	16.45	0.13	1.0	0.081	2.09	17.3	11.1	0.71	793	0.72	1.95	7.6
R615699		7.08	36.5	3.15	17.30	0.11	1.0	0.449	3.17	13.5	27.1	0.95	2230	0.67	0.09	7.0
R615700		7.00	49.0	7.22	20.2	0.12	0.8	0.536	3.55	17.2	21.5	0.76	2570	1.24	0.06	6.9
R615701		6.31	38.3	6.79	19.30	0.11	0.8	0.565	3.43	15.8	33.8	0.80	2060	1.78	0.05	6.3
R615702		19.55	21.0	5.01	16.80	0.12	1.4	0.363	2.90	29.4	152.5	0.82	2880	0.96	0.03	7.6
R615703		14.30	7.8	3.36	17.30	0.12	1.7	0.086	3.36	23.9	22.7	0.67	1200	0.86	0.51	9.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615668		7.1	1090	21.5	90.2	<0.002	0.08	36.5	5.5	<1	1.3	443	0.58	<0.05	8.19	0.326
R615669		2.9	570	266	167.5	<0.002	2.58	25.3	8.5	1	4.2	117.5	0.50	<0.05	9.95	0.225
R615670		2.3	390	6670	136.0	<0.002	7.27	167.0	7.4	1	33.3	58.8	0.45	0.16	9.20	0.162
R615671		3.3	670	65.5	93.7	<0.002	0.36	3.67	10.5	1	2.3	356	0.55	0.09	8.06	0.275
R615672		4.1	500	721	116.0	<0.002	6.50	44.6	9.0	1	4.0	161.0	0.43	3.13	7.20	0.201
R615673		1.6	170	12.7	1.5	<0.002	0.01	0.47	0.2	1	0.2	47.9	<0.05	<0.05	0.12	<0.005
R615674		2.5	620	38.3	122.5	<0.002	0.17	6.13	9.6	1	2.3	224	0.48	<0.05	9.46	0.252
R615675		2.6	540	285	192.0	<0.002	3.94	33.1	9.6	1	10.7	19.4	0.40	0.05	11.05	0.222
R615676		3.4	600	331	140.0	<0.002	0.28	4.48	10.6	<1	3.4	213	0.53	<0.05	9.98	0.246
R615677		15.2	510	473	160.0	0.004	2.69	28.1	9.4	1	5.7	109.0	0.47	0.28	11.10	0.204
R615678		3.8	640	731	185.5	<0.002	0.93	7.70	11.2	1	4.4	75.3	0.46	<0.05	9.71	0.251
R615679		3.4	590	187.0	168.5	<0.002	1.95	11.80	11.0	<1	5.1	53.5	0.45	0.07	9.80	0.241
R615680		3.0	590	221	193.0	<0.002	0.80	9.97	11.1	1	5.8	36.5	0.43	<0.05	9.07	0.235
R615681		2.9	590	216	187.5	<0.002	0.84	9.55	10.7	1	5.7	36.6	0.41	0.06	8.79	0.228
R615682		2.9	640	117.5	151.0	<0.002	0.77	8.81	11.7	1	3.9	63.8	0.46	0.05	9.10	0.249
R615683		2.8	660	21.4	97.2	<0.002	0.14	5.56	9.5	1	2.8	207	0.44	<0.05	6.41	0.238
R615684		2.6	570	69.9	176.5	<0.002	0.14	7.01	9.6	<1	2.7	77.6	0.37	0.05	8.58	0.194
R615685		2.7	610	51.4	151.0	<0.002	0.17	8.10	9.0	<1	2.9	94.6	0.36	<0.05	8.02	0.189
R615686		2.2	680	64.1	127.5	<0.002	0.28	15.30	9.9	<1	3.6	53.8	0.46	0.13	10.95	0.219
R615687		1.4	570	137.0	126.0	<0.002	0.40	20.4	8.8	<1	3.4	94.1	0.48	0.16	8.43	0.223
R615688		3.1	510	325	153.5	<0.002	2.48	28.1	16.2	<1	7.1	81.3	0.24	10.25	6.24	0.223
R615689		1.7	190	2.2	1.8	<0.002	0.01	0.11	0.2	<1	<0.2	47.9	<0.05	<0.05	0.09	<0.005
R615690		12.2	1010	42.5	37.7	<0.002	0.08	10.05	16.2	1	4.0	402	0.45	0.31	6.09	0.360
R615691		22.4	1150	379	72.9	0.002	4.75	6.90	20.6	1	4.7	38.0	0.25	0.09	5.06	0.282
R615692		20.6	1390	114.5	38.4	<0.002	0.06	6.94	26.2	1	5.1	496	0.41	<0.05	6.21	0.442
R615693		15.3	450	9760	139.0	0.002	7.02	220	7.9	1	9.6	126.0	0.42	0.51	8.14	0.179
R615694		10.0	890	17.1	48.4	<0.002	0.05	5.75	15.8	1	3.2	463	0.55	<0.05	8.52	0.344
R615695		4.7	630	90.8	138.0	<0.002	0.21	4.68	11.1	1	3.7	187.0	0.56	<0.05	11.35	0.230
R615696		7.7	1270	546	231	<0.002	1.20	11.50	22.0	<1	5.7	124.5	0.39	<0.05	7.73	0.381
R615697		6.8	890	146.5	138.5	<0.002	3.46	7.19	17.8	<1	8.7	33.7	0.39	0.07	8.34	0.265
R615698		2.9	610	42.2	107.0	<0.002	0.09	2.82	10.3	<1	2.9	298	0.63	0.05	9.73	0.250
R615699		4.2	630	477	199.5	<0.002	0.18	4.78	11.5	1	4.5	82.2	0.63	<0.05	13.40	0.224
R615700		2.1	600	751	208	<0.002	2.58	11.20	11.4	<1	8.6	26.1	0.54	0.33	12.30	0.217
R615701		2.7	550	201	220	<0.002	3.57	15.65	11.1	<1	7.4	27.2	0.50	0.27	10.35	0.208
R615702		2.2	590	67.7	153.5	<0.002	0.57	11.90	10.5	<1	3.8	124.5	0.63	<0.05	13.70	0.235
R615703		2.0	580	32.4	135.5	<0.002	0.08	9.05	10.4	1	2.0	153.5	0.93	<0.05	12.35	0.242

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615668		1.62	9.6	63	3.4	13.5	95	173.5	<0.005
R615669		2.63	6.3	58	5.0	8.9	468	53.1	0.115
R615670		2.29	4.6	47	4.4	8.5	>10000	24.3	>10.0
R615671		1.62	2.7	78	3.8	14.3	204	28.9	0.032
R615672		2.04	3.6	57	3.4	11.3	>10000	21.6	2.80
R615673		0.02	0.5	2	0.1	0.8	58	<0.5	0.019
R615674		2.11	4.1	68	3.1	13.0	101	103.0	<0.005
R615675		2.92	5.2	61	8.1	8.1	1760	106.0	0.260
R615676		2.26	3.6	69	4.3	12.9	764	28.5	0.009
R615677		2.42	5.0	65	5.5	11.3	870	30.1	0.346
R615678		2.92	4.6	71	4.7	12.4	1440	23.6	0.012
R615679		2.66	4.3	68	7.3	10.2	381	26.3	0.185
R615680		2.79	4.0	68	8.0	8.3	465	26.7	0.023
R615681		2.78	4.0	67	7.9	8.1	477	26.6	0.025
R615682		2.34	3.6	79	4.9	11.9	326	25.0	0.013
R615683		2.18	2.6	90	1.3	11.1	67	22.7	<0.005
R615684		3.22	3.2	90	1.7	11.1	115	19.1	<0.005
R615685		3.23	2.9	91	1.6	10.7	108	19.9	<0.005
R615686		2.33	3.3	71	3.8	10.5	279	23.7	0.028
R615687		2.92	3.5	57	2.7	9.9	116	19.5	0.053
R615688		2.48	5.3	97	6.8	11.7	3250	34.4	0.399
R615689		0.04	0.6	2	0.1	0.8	20	0.5	<0.005
R615690		0.98	3.2	139	2.0	14.3	110	49.1	0.005
R615691		1.04	3.5	114	18.6	15.7	603	46.1	0.081
R615692		0.87	5.6	183	2.4	20.1	473	59.8	<0.005
R615693		2.30	5.5	52	4.6	10.0	>10000	35.9	4.49
R615694		0.85	3.6	113	1.2	17.0	60	41.3	0.011
R615695		2.56	4.4	86	2.3	15.1	335	22.7	<0.005
R615696		3.62	5.6	148	4.6	12.7	1320	67.6	0.179
R615697		2.18	4.4	110	7.9	9.1	1460	42.9	0.064
R615698		1.79	3.7	80	1.4	14.1	86	25.4	<0.005
R615699		3.26	5.2	72	3.4	10.9	1740	25.0	0.109
R615700		3.91	3.9	58	5.3	5.4	1320	21.7	0.088
R615701		3.79	2.4	65	5.3	4.8	845	19.1	0.190
R615702		2.91	4.8	67	4.7	13.3	467	38.7	0.048
R615703		2.27	5.4	69	3.5	17.4	91	41.4	<0.005

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 21-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126453

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	CRU-31
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126457

Project: Klaza

P.O. No.: Batch 81

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

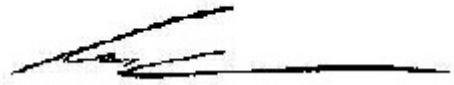
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126457

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R615704		2.18			2.34	7.56	363	600	1.37	1.58	1.44	16.65	52.7	4.6	25	10.70
R615705		4.76			0.08	7.81	8.4	2570	1.55	0.13	2.33	0.15	54.8	5.8	21	8.90
R615706		1.88			2.63	7.22	52.4	820	1.44	0.72	2.90	32.9	46.6	4.5	20	12.90
R615707		2.04			15.65	5.57	7840	150	0.95	22.9	1.66	147.0	34.5	12.2	16	6.10
R615708		1.72			0.45	7.77	21.3	910	1.57	0.38	2.99	4.38	48.5	4.0	19	11.40
R615709		2.00			0.11	7.45	10.8	1990	1.56	0.17	2.74	0.20	45.5	5.1	24	10.90
R615710		2.78			0.57	7.32	94.6	1340	1.68	0.81	2.20	3.66	42.4	4.3	18	15.75
R615711		1.78			0.34	7.37	62.0	1520	1.59	0.52	2.42	3.62	41.7	4.8	19	13.50
R615712		2.86			3.86	5.96	8040	150	1.13	8.77	0.27	63.5	31.5	9.5	18	6.37
R615713		3.44			2.74	6.54	2040	210	1.26	4.22	0.64	2.05	36.6	3.0	18	10.70
R615714		3.70			1.21	7.68	141.0	770	1.55	0.86	2.23	9.83	43.5	2.7	18	14.05
R615715		7.52			0.92	7.16	71.2	1380	1.48	1.16	2.00	5.32	36.5	5.2	26	12.65
R615716		1.64			1.07	7.23	1075	950	1.71	0.24	2.60	5.51	46.3	5.4	16	15.50
R615717		2.46			6.69	6.60	3220	220	1.38	9.41	0.89	25.1	39.8	13.6	16	9.54
R615718		0.34	120	1.660	>100	5.26	6960	90	1.30	54.3	1.92	225	31.3	10.2	21	12.00
R615719		6.72			1.78	7.72	557	970	1.67	1.17	2.27	10.40	44.2	3.8	20	12.20
R615720		1.84			1.44	6.24	505	130	1.40	2.56	2.89	4.83	40.7	5.5	17	12.60
R615721		6.12			0.03	0.05	<0.2	90	0.05	0.08	20.5	0.07	1.10	0.8	1	0.11
R615722		11.08			0.87	7.41	37.1	1550	1.69	0.51	2.53	12.85	48.4	4.9	17	17.35
R615723		3.22			10.95	6.24	457	230	1.39	18.05	1.28	9.99	38.1	3.8	17	15.50
R615724		5.60			1.08	6.81	80.4	1230	1.33	0.90	2.65	12.65	43.3	3.2	16	13.90
R615725		2.72			2.79	7.27	285	860	1.45	1.16	2.43	26.3	42.4	2.2	20	13.25
R615726		0.34			4.22	6.60	649	280	1.48	3.52	1.98	10.85	47.3	12.7	26	12.20
R615727		5.16			3.64	7.48	792	920	1.70	1.14	2.79	44.4	42.0	3.6	20	13.60
R615728		2.00		1.075	27.0	5.95	4900	130	1.54	12.25	1.90	153.5	32.5	3.5	15	11.80
R615729		2.70			6.98	7.06	377	630	1.50	9.57	0.94	42.8	45.7	3.4	19	12.30
R615730		6.24			0.02	0.11	1.7	20	0.09	0.06	20.5	0.09	1.11	1.2	3	0.48
R615731		4.72			0.33	7.17	15.1	760	1.99	0.52	3.08	0.92	38.5	5.5	18	18.90
R615732		2.56		1.525	20.2	6.71	1205	110	1.61	24.8	0.84	233	43.3	6.3	16	10.40
R615733		4.30			4.87	7.50	376	640	1.65	3.62	1.73	6.07	50.9	3.6	19	13.10
R615734		5.96			0.68	6.77	81.2	1870	1.54	0.81	2.35	3.59	39.8	3.3	22	14.15
R615735		<0.02			0.64	6.65	80.5	1830	1.42	0.82	2.31	3.45	39.7	3.1	20	13.85
R615736		1.96			0.15	7.11	25.4	1420	1.31	0.16	2.98	0.27	43.9	2.2	19	10.60
R615737		1.96			12.85	6.82	1420	520	1.52	4.05	2.73	31.9	45.0	7.4	20	10.90
R615738		3.82			0.08	6.79	8.1	1550	1.40	0.11	3.94	0.18	39.2	2.5	18	10.75
R615739		5.26			0.99	7.05	17.1	930	1.50	1.12	1.90	14.65	39.8	2.1	21	9.38

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126457

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R615704		41.4	7.76	17.25	0.12	1.0	0.226	2.20	29.9	22.4	1.18	2600	4.57	0.30	8.1	3.4
R615705		3.7	3.05	17.20	0.14	1.2	0.042	2.82	30.4	12.3	0.93	480	1.83	2.65	9.4	2.7
R615706		80.9	5.00	15.65	0.11	1.1	0.204	2.41	27.0	19.7	0.86	1920	1.92	0.43	7.4	2.4
R615707		218	9.09	15.35	0.11	0.6	4.44	2.48	15.0	39.0	0.90	2590	9.25	0.04	5.3	3.3
R615708		9.9	4.37	17.40	0.14	0.9	0.146	2.28	25.7	13.4	0.93	1700	1.68	1.16	8.8	2.8
R615709		17.9	2.99	16.70	0.14	1.2	0.082	2.67	23.7	9.4	0.76	653	2.92	2.10	9.1	2.9
R615710		7.3	3.23	16.45	0.14	1.2	0.193	2.96	21.3	28.0	0.72	942	2.38	0.88	8.6	2.9
R615711		16.8	3.25	16.15	0.17	1.2	0.170	2.89	21.5	19.2	0.74	1000	2.08	1.21	8.4	2.7
R615712		42.9	10.25	16.25	0.10	0.9	1.365	2.79	16.2	5.7	0.39	2260	3.37	0.03	6.7	2.7
R615713		28.8	7.93	17.65	0.10	0.9	0.299	3.09	18.4	8.9	0.46	2160	3.31	0.03	7.3	3.0
R615714		53.2	3.82	17.05	0.14	0.9	0.496	3.37	20.9	17.9	0.93	2060	1.20	0.04	8.0	2.5
R615715		71.0	2.69	16.60	0.12	1.0	0.259	2.92	17.4	49.3	0.69	1040	1.91	0.07	8.1	3.1
R615716		23.0	3.83	15.90	0.14	1.3	0.155	3.24	26.6	14.2	0.89	2790	2.21	0.03	9.2	2.4
R615717		297	7.15	15.95	0.11	0.9	0.823	3.06	21.1	8.4	0.50	2680	1.79	0.03	7.5	2.6
R615718		1300	8.11	13.70	0.07	1.1	4.73	2.26	15.6	31.6	0.63	2980	16.20	0.08	6.5	14.8
R615719		33.9	4.28	17.40	0.13	1.0	0.382	3.55	20.1	8.1	0.92	2770	1.24	0.04	8.4	2.6
R615720		11.8	5.05	15.05	0.09	0.8	0.174	2.78	17.8	19.5	0.98	1500	2.37	0.03	7.0	3.0
R615721		2.7	0.46	0.27	0.26	<0.1	<0.005	0.02	0.5	0.7	12.55	193	0.06	0.01	0.1	2.0
R615722		17.7	3.18	17.40	0.13	1.1	0.179	2.73	23.4	80.1	0.79	970	2.49	0.07	9.0	3.0
R615723		102.5	5.00	15.95	0.11	0.9	0.391	2.70	17.3	18.3	0.58	1550	4.99	0.04	6.7	2.7
R615724		34.7	2.38	15.55	0.14	0.9	0.267	2.74	21.1	42.0	0.93	1320	1.74	0.06	6.7	2.5
R615725		40.3	2.32	16.20	0.16	1.2	0.373	2.76	18.1	63.5	0.91	859	1.32	0.07	8.6	2.7
R615726		304	4.93	15.80	0.12	1.1	0.300	2.83	26.8	25.3	0.75	1780	15.95	0.15	7.2	14.6
R615727		66.8	2.73	17.45	0.16	1.1	0.437	3.17	17.2	13.0	0.96	922	1.06	0.07	8.2	2.1
R615728		401	7.14	16.50	0.10	1.1	1.630	2.62	14.9	12.0	0.70	1680	3.36	0.03	7.2	2.5
R615729		184.0	3.86	18.75	0.13	1.2	0.851	3.23	22.8	11.9	0.54	1840	5.99	0.04	7.6	2.6
R615730		2.2	0.47	0.52	0.38	<0.1	0.006	0.07	0.5	1.6	12.55	209	0.13	<0.01	0.1	3.1
R615731		11.2	2.66	17.65	0.10	1.3	0.121	2.72	17.3	93.5	0.68	842	2.14	0.10	8.8	3.0
R615732		341	7.40	19.60	0.09	1.2	3.65	3.07	20.2	8.2	0.48	1800	2.76	0.03	8.0	3.3
R615733		97.7	4.08	18.95	0.13	1.2	0.232	3.37	24.5	11.7	0.79	1530	2.53	0.04	8.5	3.0
R615734		12.5	3.31	15.60	0.08	1.1	0.143	2.82	18.9	99.0	0.87	1340	1.66	0.05	6.5	3.0
R615735		11.3	3.26	15.05	0.10	1.1	0.154	2.80	19.2	93.1	0.86	1320	1.51	0.05	6.3	2.8
R615736		4.2	2.18	16.55	0.08	1.1	0.077	3.33	18.5	35.6	1.02	1500	1.35	0.08	7.1	2.6
R615737		69.3	4.13	15.25	0.12	1.3	0.145	3.04	21.2	18.5	1.02	1640	1.82	0.06	7.7	3.1
R615738		2.7	1.70	14.95	0.10	1.1	0.032	2.63	17.7	47.3	0.78	737	1.11	0.07	6.4	2.6
R615739		32.0	2.22	15.70	0.14	1.2	0.364	2.57	17.7	70.5	0.60	1020	1.32	0.09	7.0	2.4

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VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126457

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R615704		590	738	143.5	<0.002	1.05	7.77	11.0	1	4.7	85.0	0.60	<0.05	15.10	0.233	1.94
R615705		600	17.7	102.5	<0.002	0.02	1.63	11.6	1	2.0	468	0.74	<0.05	16.30	0.258	1.09
R615706		530	970	152.0	<0.002	0.67	7.07	9.9	1	3.3	147.0	0.56	<0.05	14.15	0.214	2.08
R615707		440	1385	170.5	<0.002	6.35	56.8	8.7	1	5.8	45.5	0.42	0.60	10.85	0.161	2.77
R615708		630	179.5	133.5	<0.002	0.12	4.39	11.9	1	3.4	243	0.62	<0.05	14.30	0.258	2.03
R615709		580	17.1	119.0	<0.002	0.12	2.45	10.7	1	2.2	334	0.71	<0.05	15.50	0.237	1.52
R615710		560	50.9	161.5	<0.002	0.87	4.80	10.7	1	3.4	191.5	0.68	<0.05	14.80	0.231	2.45
R615711		550	55.9	143.5	<0.002	0.61	4.33	10.1	1	2.9	230	0.67	<0.05	16.00	0.229	2.21
R615712		420	107.0	196.0	<0.002	8.57	38.7	8.5	1	8.9	12.7	0.57	0.32	12.25	0.176	2.66
R615713		480	230	207	<0.002	6.50	16.30	9.7	1	12.1	25.4	0.58	0.13	13.60	0.198	3.11
R615714		550	175.5	218	<0.002	1.08	15.90	10.8	1	5.6	80.5	0.63	0.06	16.25	0.222	3.41
R615715		530	84.7	136.0	<0.002	0.28	18.80	9.7	<1	2.8	108.5	0.67	0.07	13.40	0.217	2.72
R615716		490	361	211	<0.002	1.15	15.00	9.6	<1	4.1	83.9	0.88	<0.05	19.00	0.201	3.48
R615717		450	151.0	197.5	<0.002	5.98	53.7	9.4	1	7.4	27.4	0.61	0.30	15.65	0.191	3.20
R615718		450	9560	126.0	<0.002	6.88	218	7.4	1	9.2	121.5	0.48	0.54	8.91	0.181	2.27
R615719		550	399	241	<0.002	1.60	12.65	10.4	1	5.3	56.7	0.73	0.18	15.15	0.221	3.92
R615720		460	220	188.0	<0.002	3.34	9.34	8.5	1	4.1	126.0	0.56	0.17	11.80	0.179	3.20
R615721		180	2.0	1.1	<0.002	0.01	0.20	0.1	1	<0.2	49.4	<0.05	<0.05	0.07	<0.005	<0.02
R615722		600	327	122.5	<0.002	0.50	9.10	10.8	1	3.1	148.0	0.71	<0.05	15.20	0.239	2.62
R615723		470	171.0	183.5	<0.002	3.82	42.5	9.2	1	9.3	76.7	0.50	0.11	12.60	0.178	2.98
R615724		500	222	156.0	<0.002	0.50	18.50	9.1	1	2.8	102.5	0.46	<0.05	16.30	0.190	2.60
R615725		570	812	141.5	<0.002	0.86	13.75	10.1	1	5.5	104.0	0.70	0.08	15.00	0.227	2.50
R615726		500	468	157.5	0.003	2.59	29.5	9.2	1	5.9	106.5	0.57	0.28	12.10	0.200	2.63
R615727		550	1330	186.0	<0.002	1.35	13.75	9.8	1	8.2	98.0	0.70	0.16	15.25	0.212	3.10
R615728		440	4620	156.5	<0.002	6.62	103.5	8.7	1	19.0	66.9	0.57	0.10	12.45	0.188	2.72
R615729		510	496	199.5	<0.002	2.43	33.1	9.2	1	13.7	35.8	0.63	0.05	14.20	0.203	2.97
R615730		150	2.0	3.9	<0.002	<0.01	0.08	0.5	1	<0.2	40.4	<0.05	<0.05	0.07	0.006	0.02
R615731		600	22.6	110.0	<0.002	0.20	9.23	10.8	<1	2.6	124.5	0.66	<0.05	12.45	0.244	2.38
R615732		490	445	176.5	<0.002	7.02	25.6	9.6	1	21.8	29.1	0.66	0.22	14.30	0.202	2.73
R615733		550	188.0	201	<0.002	2.15	34.0	10.4	1	10.2	56.4	0.66	<0.05	15.45	0.221	3.46
R615734		500	53.8	155.5	<0.002	0.90	9.83	10.0	1	2.7	93.4	0.51	0.05	13.20	0.186	2.44
R615735		490	52.0	149.5	<0.002	0.90	9.52	9.7	1	2.5	90.8	0.47	<0.05	12.65	0.185	2.32
R615736		630	11.7	151.0	<0.002	0.30	4.52	10.8	1	2.3	78.2	0.57	<0.05	13.80	0.206	2.79
R615737		480	2520	168.0	<0.002	2.45	34.5	9.3	1	3.8	64.9	0.64	0.73	15.10	0.199	2.73
R615738		470	9.4	112.5	<0.002	0.15	10.25	8.1	1	1.7	115.5	0.57	<0.05	17.70	0.159	1.87
R615739		500	170.0	125.5	<0.002	0.28	14.35	8.8	1	2.5	68.5	0.70	<0.05	18.00	0.160	2.30

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Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126457

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R615704		4.6	72	8.9	12.9	1140	29.3	0.029
R615705		4.8	70	1.0	18.3	43	35.1	<0.005
R615706		4.0	60	6.7	13.6	2180	29.9	1.030
R615707		2.8	52	3.5	7.9	9630	15.3	1.610
R615708		4.1	73	4.8	16.0	347	25.1	<0.005
R615709		4.5	67	1.9	16.6	48	32.4	<0.005
R615710		4.4	67	2.9	13.8	296	31.4	0.027
R615711		4.9	64	2.3	14.1	305	33.8	0.017
R615712		3.4	55	9.5	9.1	4190	24.1	0.829
R615713		4.2	60	11.6	10.3	191	26.5	0.306
R615714		4.9	66	5.3	12.2	756	25.7	0.037
R615715		3.8	62	2.6	12.6	382	28.5	0.203
R615716		7.7	55	5.5	14.7	442	34.7	0.125
R615717		4.6	55	7.2	10.5	1770	25.2	0.749
R615718		5.6	51	5.0	9.7	>10000	34.3	4.54
R615719		5.4	62	5.0	13.0	836	27.0	0.097
R615720		7.4	52	6.1	11.2	388	22.1	0.113
R615721		0.6	1	0.1	0.7	18	<0.5	<0.005
R615722		4.7	70	2.8	15.1	840	30.5	0.018
R615723		5.0	54	5.0	11.1	718	25.8	0.510
R615724		6.1	60	3.7	12.2	898	27.8	0.036
R615725		5.9	69	3.6	14.1	1620	32.1	0.089
R615726		5.1	63	5.8	11.9	831	31.1	0.335
R615727		3.6	49	2.9	13.4	2810	30.4	0.194
R615728		3.2	56	6.5	11.5	>10000	30.3	3.11
R615729		3.6	62	6.1	10.1	2880	32.7	0.522
R615730		0.5	3	0.1	0.8	17	<0.5	<0.005
R615731		5.5	69	2.1	14.4	105	36.6	<0.005
R615732		7.7	60	7.1	11.5	>10000	31.6	1.940
R615733		5.8	66	6.0	12.3	480	34.9	0.702
R615734		4.8	66	3.0	13.2	291	29.8	0.064
R615735		4.8	65	2.8	12.5	277	31.2	0.068
R615736		6.1	74	2.1	13.4	39	29.2	0.008
R615737		6.8	59	3.5	14.4	2080	33.5	0.736
R615738		5.5	51	1.1	13.5	40	28.7	<0.005
R615739		4.7	54	2.2	11.0	917	31.9	0.033

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Project: Klaza

Finalized Date: 1-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126457

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 21-AUG-2016
Account: ROCKHA

CERTIFICATE VA16126466

Project: Klaza

P.O. No.: Batch 82

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

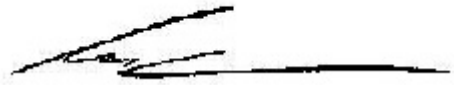
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126466

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R615740		3.04				0.14	7.03	7.0	1170	1.66	0.29	3.42	0.12	39.0	2.2	11
R615741		2.08				0.08	6.95	10.0	1840	1.76	0.24	2.98	0.15	36.2	5.6	11
R615742		2.36				16.50	6.06	324	390	1.58	17.05	1.75	26.4	40.3	6.9	9
R615743		3.26				0.49	6.83	21.9	760	1.36	0.59	7.00	0.51	39.2	2.1	9
R615744		0.30	120	0.980	1.605	>100	5.40	8500	130	1.17	63.5	1.95	231	31.9	10.3	17
R615745		5.94				1.83	6.52	61.8	1700	1.57	1.82	3.83	6.11	31.2	1.8	12
R615746		4.52				0.23	6.53	10.9	1100	1.72	0.31	3.90	0.47	23.7	4.5	12
R615747		2.74				0.93	6.95	36.1	1270	1.49	0.72	4.59	36.1	36.2	1.9	10
R615748		4.04				0.34	7.67	43.0	750	1.89	0.32	2.12	0.66	38.1	3.6	12
R615749		2.20				1.97	6.21	395	170	1.40	3.27	2.28	2.66	39.6	3.7	12
R615750		4.60				0.44	7.74	11.3	2230	1.77	0.33	2.68	1.63	36.5	1.7	11
R615751		3.56				0.11	8.28	26.7	2340	1.49	0.13	1.35	11.40	38.4	5.6	10
R615752		0.32				9.84	6.87	1915	160	1.66	7.09	1.97	42.7	42.3	18.6	22
R615753		2.00				0.44	8.43	236	2020	1.53	0.18	0.74	12.60	41.9	5.6	10
R615754		3.26				7.98	7.41	5360	540	1.64	1.65	0.68	149.5	60.5	8.3	10
R615755		3.46				0.84	8.10	1335	1820	1.70	0.16	0.53	21.5	52.3	7.3	9
R615756		1.84				0.45	8.52	111.0	1310	1.85	0.19	0.50	17.65	58.5	9.5	9
R615757		1.94				0.40	8.32	124.5	1740	1.76	0.17	0.74	18.95	53.6	8.9	10
R615758		2.72				2.65	7.01	912	1780	1.74	0.41	0.45	30.3	59.3	33.5	9
R615759		6.78				0.23	8.11	261	2230	1.74	0.17	1.46	5.70	50.0	6.8	11
R615760		7.40				0.40	7.26	33.0	2290	1.60	0.24	2.07	5.08	38.9	6.8	9
R615761		2.28				11.45	6.62	453	210	1.50	2.87	2.22	37.6	37.6	8.7	11
R615762		1.98				0.12	7.16	17.6	2370	1.29	0.12	1.54	4.19	30.2	5.5	9
R615763		5.84				0.26	7.33	27.0	2140	1.78	0.17	2.36	2.07	45.1	6.7	10
R615764		<0.02				0.22	7.49	26.4	2120	1.54	0.19	2.20	2.02	45.9	6.4	9
R615765		2.52				0.12	7.07	9.2	2260	1.65	0.19	2.42	0.14	42.5	7.5	10
R615766		4.88				0.72	7.31	27.7	1860	1.61	0.32	2.00	6.36	43.0	6.3	10
R615767		3.22				10.80	6.86	549	860	1.39	6.56	1.26	121.5	54.5	6.1	11
R615768		6.36				0.03	0.06	0.6	30	0.06	0.05	21.0	0.19	1.10	0.7	1
R615769		4.46				1.52	7.30	51.6	1820	1.56	0.76	2.10	14.90	45.8	6.2	10
R615770		5.52				0.21	6.50	27.9	1480	1.60	0.34	3.52	1.05	32.1	14.7	9
R615771		3.00				10.45	6.73	63.7	1280	1.34	15.55	3.22	16.65	54.7	9.5	11
R615772		2.34				4.41	7.22	1140	850	1.51	5.34	1.33	28.4	51.3	6.4	9
R615773		6.16				0.01	0.06	0.7	30	0.05	0.05	20.8	0.11	1.20	0.7	1
R615774		8.92				1.26	7.25	34.6	1980	1.43	1.59	2.22	3.93	46.0	5.8	12
R615775		2.80				17.15	6.00	4700	530	1.31	22.6	1.38	63.4	42.6	7.4	9

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126466

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615740		8.25	16.8	1.97	18.10	0.15	1.0	0.117	2.49	13.1	13.8	0.60	597	2.27	1.13	6.7
R615741		19.10	11.2	2.23	17.80	0.13	1.3	0.082	2.25	16.9	48.2	0.60	906	1.50	0.06	8.2
R615742		13.95	938	4.81	14.00	0.13	1.0	1.150	2.65	21.2	27.3	0.58	1510	1.47	0.04	5.8
R615743		18.30	22.3	2.48	15.80	0.15	1.0	0.194	2.04	17.4	31.6	0.62	1220	0.80	0.07	7.2
R615744		11.50	1300	8.24	13.70	0.11	1.1	4.66	2.37	16.7	33.4	0.63	3100	15.60	0.08	5.6
R615745		10.30	75.6	1.85	18.20	0.14	1.0	0.275	2.05	11.4	42.6	0.50	1080	0.97	0.21	6.4
R615746		8.24	6.1	1.64	17.70	0.14	0.8	0.133	2.59	7.1	18.3	0.39	687	1.25	0.46	7.6
R615747		12.80	80.9	1.88	16.40	0.14	0.9	1.105	1.18	13.2	93.4	1.22	897	1.35	0.07	8.5
R615748		14.85	10.0	2.22	18.30	0.13	1.2	0.166	2.37	16.9	114.5	0.64	1400	0.92	0.06	8.4
R615749		8.97	47.1	4.65	15.05	0.13	0.8	0.430	2.89	16.5	18.3	0.87	2490	2.37	0.04	6.9
R615750		9.89	8.6	1.33	18.55	0.13	1.1	0.061	3.16	13.6	36.0	0.77	860	0.67	0.18	7.6
R615751		21.7	10.9	3.30	19.00	0.12	1.3	0.117	3.18	19.4	67.6	0.19	587	2.89	0.17	8.9
R615752		16.50	111.5	5.46	15.90	0.12	1.4	0.929	3.07	21.6	26.6	0.72	2090	12.65	0.28	7.6
R615753		21.0	20.3	3.47	19.05	0.12	1.3	0.289	3.21	21.7	46.4	0.17	608	2.89	0.09	8.7
R615754		18.40	101.0	5.46	16.75	0.13	1.0	5.39	3.34	36.5	14.8	0.36	2110	5.14	0.03	7.0
R615755		27.5	14.0	2.95	17.75	0.13	1.2	0.167	3.61	29.1	15.9	0.23	1140	3.44	0.03	7.9
R615756		25.2	18.0	3.27	18.40	0.12	1.2	0.140	3.26	33.0	34.2	0.18	889	6.02	0.05	8.2
R615757		24.6	15.7	3.05	18.75	0.13	1.3	0.125	3.13	29.1	45.1	0.16	859	3.73	0.05	8.5
R615758		22.9	16.4	4.19	16.90	0.11	0.9	0.121	3.03	35.4	27.7	0.28	1150	7.96	0.05	6.0
R615759		17.10	6.4	3.20	17.85	0.12	1.3	0.057	3.25	26.6	36.0	0.42	949	2.34	0.58	8.3
R615760		16.05	9.6	3.00	16.95	0.12	1.3	0.097	3.37	20.3	53.7	0.44	888	2.89	0.77	7.9
R615761		17.05	867	5.57	15.20	0.12	1.1	0.829	3.16	19.4	21.2	0.67	2130	1.85	0.06	6.6
R615762		12.65	11.7	2.36	17.05	0.11	1.4	0.052	3.08	14.6	59.9	0.33	739	1.35	0.11	8.2
R615763		18.60	11.6	3.01	17.05	0.17	1.4	0.077	2.91	23.4	24.3	0.48	608	2.29	1.19	8.4
R615764		18.70	9.3	3.05	17.05	0.18	1.4	0.066	2.99	24.0	26.1	0.48	601	1.74	1.04	8.5
R615765		15.80	5.4	3.02	16.45	0.17	1.4	0.030	2.71	22.0	10.7	0.52	427	2.19	2.12	8.4
R615766		17.90	13.7	3.25	16.15	0.17	1.2	0.111	2.78	23.1	34.1	0.58	690	1.44	1.36	7.9
R615767		15.50	332	5.96	15.80	0.17	1.2	2.10	3.12	31.1	13.5	0.64	2100	1.64	0.04	6.7
R615768		0.20	3.2	0.48	0.17	0.14	<0.1	0.008	0.02	0.5	1.1	12.85	214	0.11	0.01	0.1
R615769		17.55	40.4	3.93	15.80	0.16	1.1	0.245	3.03	24.9	41.5	0.69	1100	1.25	0.36	7.4
R615770		7.47	1.5	2.25	15.75	0.16	0.9	0.046	2.49	14.5	11.7	0.65	715	2.69	1.02	6.2
R615771		12.90	53.9	3.71	15.05	0.15	1.2	0.411	2.94	29.0	28.0	1.00	1290	1.14	0.09	7.1
R615772		17.80	68.9	4.34	16.95	0.17	1.1	0.632	3.40	27.9	15.9	0.62	1740	1.10	0.04	7.2
R615773		0.14	1.3	0.46	0.21	0.13	<0.1	0.005	0.02	0.6	1.0	12.90	206	0.11	<0.01	0.1
R615774		19.15	12.5	3.63	16.40	0.22	1.2	0.125	3.18	23.7	18.5	0.73	930	1.16	0.96	7.9
R615775		13.35	610	8.26	13.20	0.15	0.9	2.84	2.77	22.8	9.4	0.77	3200	2.07	0.03	5.8

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CERTIFICATE OF ANALYSIS VA16126466

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615740		1.0	650	7.5	136.5	<0.002	0.06	5.98	8.2	<1	2.5	175.0	0.55	0.07	10.70	0.197
R615741		2.3	610	10.6	92.1	<0.002	0.14	16.55	10.2	1	1.9	134.0	0.67	<0.05	8.49	0.248
R615742		2.3	440	305	157.5	<0.002	2.76	75.7	8.5	1	3.8	77.6	0.51	0.10	10.10	0.174
R615743		1.9	550	22.1	106.0	<0.002	0.18	18.30	9.6	1	2.9	215	0.58	0.09	10.55	0.223
R615744		14.9	470	10000	136.5	<0.002	7.15	227	7.8	1	9.0	126.5	0.44	0.47	8.03	0.184
R615745		0.9	690	114.0	82.5	<0.002	0.21	20.6	9.5	1	3.0	125.0	0.50	0.46	8.58	0.200
R615746		0.7	430	17.3	125.5	<0.002	0.26	3.69	7.9	<1	3.0	165.5	0.80	0.05	10.35	0.216
R615747		0.9	660	88.9	55.0	<0.002	0.26	9.76	10.3	1	3.5	250	0.98	0.06	10.90	0.231
R615748		2.3	620	32.5	94.3	<0.002	0.25	17.35	11.2	<1	3.1	105.5	0.66	<0.05	10.00	0.265
R615749		1.8	530	61.3	185.5	<0.002	3.44	32.4	10.9	1	4.2	68.4	0.52	0.09	9.30	0.192
R615750		1.2	680	56.9	166.0	<0.002	0.13	11.05	10.7	1	2.7	115.0	0.61	<0.05	12.25	0.240
R615751		2.2	660	15.0	137.5	<0.002	0.02	22.2	12.3	1	2.1	85.3	0.69	<0.05	12.60	0.281
R615752		16.4	540	1450	159.5	<0.002	3.24	34.7	9.2	1	6.1	155.5	0.61	0.33	10.75	0.215
R615753		2.1	660	25.2	141.0	<0.002	0.04	22.2	11.6	1	2.1	71.1	0.70	<0.05	13.70	0.273
R615754		2.4	550	1190	196.5	<0.002	1.50	52.9	11.1	1	3.4	63.7	0.58	<0.05	11.95	0.231
R615755		2.2	610	107.0	204	<0.002	0.28	18.20	11.3	1	2.0	36.6	0.66	<0.05	14.50	0.260
R615756		2.9	650	88.3	149.5	<0.002	0.15	10.55	12.2	1	2.0	58.2	0.67	<0.05	15.15	0.265
R615757		3.1	680	57.7	143.0	<0.002	0.13	11.85	12.3	1	2.3	70.3	0.69	<0.05	14.70	0.268
R615758		3.3	530	1030	181.0	<0.002	0.86	33.5	9.8	1	2.8	30.6	0.52	0.05	12.15	0.195
R615759		2.3	630	39.0	145.0	<0.002	0.18	13.40	11.9	1	2.1	141.5	0.69	<0.05	13.45	0.266
R615760		2.2	600	138.5	128.0	<0.002	0.18	8.72	10.1	1	1.8	189.5	0.67	<0.05	10.40	0.246
R615761		2.2	520	1720	147.0	<0.002	3.54	89.4	9.2	1	3.6	71.6	0.54	0.14	9.79	0.216
R615762		1.8	600	27.5	109.0	<0.002	0.05	18.70	10.2	<1	1.7	120.5	0.68	<0.05	9.19	0.265
R615763		2.7	600	54.4	118.5	<0.002	0.12	7.97	10.1	1	1.8	218	0.70	<0.05	11.70	0.248
R615764		2.4	610	42.7	126.0	<0.002	0.12	8.41	10.4	1	1.9	194.5	0.74	<0.05	12.00	0.257
R615765		2.6	560	17.0	110.5	<0.002	0.04	2.46	9.5	1	1.6	336	0.73	<0.05	11.10	0.239
R615766		2.4	590	304	123.5	<0.002	0.21	4.60	10.3	1	1.9	229	0.62	<0.05	11.80	0.257
R615767		2.4	540	2320	211	<0.002	2.69	16.90	10.1	1	4.8	42.4	0.51	0.08	12.30	0.216
R615768		1.4	170	3.8	1.4	<0.002	<0.01	0.12	0.2	1	<0.2	47.4	<0.05	<0.05	0.13	<0.005
R615769		2.3	560	628	150.5	<0.002	0.62	8.69	9.8	<1	2.0	122.0	0.58	<0.05	12.35	0.234
R615770		2.7	590	23.4	106.0	0.002	0.43	2.50	8.0	<1	1.8	135.5	0.48	<0.05	10.10	0.193
R615771		2.4	540	439	143.5	<0.002	1.72	4.02	10.2	1	2.4	180.5	0.57	0.29	11.60	0.220
R615772		2.7	550	601	205	<0.002	2.78	9.85	10.1	1	4.8	63.0	0.57	<0.05	12.85	0.229
R615773		1.6	180	2.4	1.2	<0.002	<0.01	0.06	0.2	1	<0.2	46.2	<0.05	<0.05	0.11	<0.005
R615774		2.4	580	151.0	132.5	<0.002	0.60	4.41	9.9	1	2.1	205	0.59	0.07	11.75	0.246
R615775		2.2	450	922	172.0	<0.002	5.11	72.5	8.5	1	3.3	42.4	0.47	0.53	10.50	0.189

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126466

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615740		2.49	4.0	60	0.9	13.9	35	26.1	0.006
R615741		2.17	3.3	76	1.8	14.4	50	34.7	<0.005
R615742		2.49	5.4	53	4.9	10.7	2730	27.4	0.330
R615743		1.68	3.9	67	2.4	15.7	71	29.3	0.007
R615744		2.35	5.5	54	4.7	9.5	>10000	33.8	4.44
R615745		1.91	2.3	53	2.0	13.5	477	27.2	0.034
R615746		2.46	4.5	44	1.0	11.3	61	22.1	0.047
R615747		1.46	4.4	57	2.2	18.4	2030	22.1	0.066
R615748		2.19	3.5	81	3.6	14.2	81	34.2	0.008
R615749		2.97	5.2	59	4.7	15.5	226	21.1	0.233
R615750		2.84	4.4	72	1.5	13.6	139	30.3	<0.005
R615751		1.64	2.8	79	4.1	16.0	493	36.2	<0.005
R615752		2.72	5.4	62	5.4	12.0	3200	41.4	0.771
R615753		1.72	4.0	76	4.6	16.4	725	36.2	0.009
R615754		3.29	6.4	67	5.1	15.9	7760	27.8	5.69
R615755		3.96	4.6	73	9.6	14.5	1180	32.2	0.590
R615756		2.24	5.8	79	3.6	19.9	1390	33.1	0.023
R615757		2.17	5.3	77	4.2	18.5	1260	34.3	0.024
R615758		2.97	5.2	68	3.5	14.7	1620	25.4	1.140
R615759		2.02	3.7	77	3.2	17.0	492	36.0	0.184
R615760		1.91	3.6	69	2.5	15.0	327	35.9	0.009
R615761		2.63	6.2	62	3.2	13.4	2570	29.2	0.458
R615762		1.61	3.5	69	4.0	11.0	382	37.3	0.012
R615763		1.57	3.1	70	2.4	15.9	181	36.4	0.014
R615764		1.68	3.2	72	2.5	16.2	181	37.0	0.012
R615765		1.15	2.8	67	1.9	14.5	50	35.2	<0.005
R615766		1.59	2.5	70	2.4	14.7	531	30.5	0.082
R615767		3.00	3.7	61	5.4	11.3	7600	26.2	1.405
R615768		0.02	0.7	2	0.1	0.7	28	<0.5	<0.005
R615769		2.16	4.1	66	3.0	13.5	1030	30.7	0.060
R615770		1.87	2.4	56	1.5	10.7	152	26.4	<0.005
R615771		2.36	5.3	69	3.4	15.2	1120	28.7	0.268
R615772		3.32	5.2	69	4.7	11.4	2050	28.5	0.354
R615773		<0.02	0.8	2	0.1	0.8	19	<0.5	<0.005
R615774		2.20	3.3	68	2.3	14.1	365	30.6	0.074
R615775		2.85	3.7	54	5.2	9.5	4090	25.0	3.00

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 21-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126466

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21	Zn-OG62

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CERTIFICATE VA16126468

Project: Klaza

P.O. No.: Batch 85

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

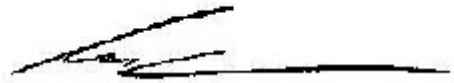
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16126468

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R615776		3.82				1.02	7.15	26.7	1690	1.43	0.67	2.40	13.75	51.0	4.2	14
R615777		3.94				0.20	7.11	16.7	2180	1.51	0.22	2.46	0.54	50.4	4.5	13
R615778		2.44				4.55	6.58	186.0	370	1.51	3.60	2.22	40.4	48.2	5.3	13
R615779		4.32				0.14	7.36	10.3	2390	1.46	0.19	2.57	0.23	49.5	5.1	14
R615780		2.40			1.495	10.60	6.63	>10000	180	1.37	12.90	1.60	56.3	48.3	6.1	12
R615781		7.62				0.02	0.05	8.8	20	0.06	0.08	20.5	0.13	1.00	0.6	1
R615782		4.48				0.64	7.59	99.5	2170	1.48	0.77	2.50	2.96	56.0	5.6	12
R615783		3.96				0.15	6.90	10.8	1880	1.15	0.12	1.79	0.16	34.5	4.2	14
R615784		0.32	121	1.620		>100	5.32	7760	230	1.21	61.4	1.93	228	33.2	9.2	18
R615785		3.06		1.105		10.80	6.53	644	280	1.54	9.00	1.00	172.0	45.6	6.0	12
R615786		2.30				0.57	7.28	59.6	1990	1.51	0.37	2.03	8.40	45.0	5.7	13
R615787		5.10				0.10	7.47	11.7	2290	1.57	0.13	2.56	0.21	46.4	6.3	11
R615788		3.96				0.55	7.55	21.6	1370	1.79	0.47	2.72	4.47	68.5	4.5	14
R615789		5.72				4.30	6.32	174.5	720	1.52	3.83	2.71	21.8	88.5	45.4	11
R615790		2.32				0.71	6.89	121.0	1380	1.66	0.12	3.07	2.21	83.7	3.0	11
R615791		4.00				9.12	5.30	1825	190	1.27	4.42	1.79	62.1	53.7	6.0	8
R615792		7.68				0.02	0.07	1.6	50	0.06	0.03	21.5	0.15	1.14	0.7	1
R615793		2.06				1.95	7.39	101.5	1310	1.56	1.09	1.31	16.35	55.1	4.0	10
R615794		3.88				0.18	7.33	17.2	740	1.35	0.22	2.54	0.64	51.9	6.9	12
R615795		2.80				1.30	7.53	52.3	990	1.65	1.55	2.18	4.60	55.5	3.7	15
R615796		1.38				1.58	7.43	49.0	1310	1.65	1.54	2.14	11.05	50.6	3.6	12
R615797		3.94				0.48	7.62	38.9	1410	1.42	0.43	1.43	2.59	45.2	4.5	12
R615798		4.20				0.98	7.37	85.1	1170	1.57	0.53	1.92	5.23	54.9	4.6	16
R615799		9.84				0.61	7.10	54.3	1060	1.37	0.44	1.83	2.64	44.9	5.0	13
R615800		8.40				0.12	7.53	29.9	1850	1.58	0.19	1.93	0.24	48.3	5.3	11
R614751		2.62				0.12	7.70	17.6	1580	1.36	0.10	2.47	0.13	53.0	4.5	14
R614752		0.32				11.70	6.50	1545	510	1.36	11.70	1.87	31.0	45.8	17.3	19
R614753		7.48				2.33	7.52	137.0	1230	1.58	1.82	1.86	14.90	52.0	4.7	17
R614754		2.84				2.35	7.31	52.1	520	1.66	3.61	0.92	1.65	49.5	4.2	12
R614755		2.84				2.33	6.04	88.3	880	1.46	3.44	0.44	5.56	37.9	3.0	13
R614756		8.62				3.01	6.48	981	130	1.42	3.66	0.18	14.25	53.3	5.8	14
R614757		3.42				2.04	7.63	168.5	870	1.57	1.43	1.51	18.50	51.7	4.5	14
R614758		<0.02				1.97	7.28	160.5	820	1.56	1.32	1.44	17.15	50.1	4.2	12
R614759		11.60				0.51	7.67	29.9	1190	1.60	0.51	2.18	5.63	58.5	4.6	14
R614760		6.18				1.23	7.03	140.0	370	1.49	1.53	2.30	4.53	51.2	5.0	10
R614761		5.52				0.47	7.45	77.0	810	1.56	0.44	2.18	3.18	50.1	4.3	13

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Finalized Date: 29-AUG-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126468

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615776		15.55	15.8	3.55	15.10	0.13	1.0	0.422	3.26	26.7	15.0	0.60	1380	1.32	0.65	7.0
R615777		14.30	3.9	2.88	14.25	0.16	1.0	0.059	3.33	24.9	15.0	0.63	880	1.02	1.06	7.1
R615778		21.5	71.4	5.21	13.75	0.12	0.9	1.435	3.02	24.7	13.5	0.89	3460	2.95	0.04	6.2
R615779		12.15	12.8	2.98	15.30	0.17	1.2	0.059	3.02	25.1	15.1	0.75	610	1.50	1.58	7.5
R615780		19.10	109.5	6.23	13.85	0.11	0.9	1.135	3.14	25.6	21.6	0.52	909	2.03	0.21	6.2
R615781		0.16	3.0	0.46	0.15	0.06	<0.1	0.007	0.02	0.5	1.0	12.65	207	0.15	<0.01	0.1
R615782		16.00	11.0	3.54	15.65	0.15	1.2	0.092	2.89	30.3	13.1	0.86	805	1.56	1.97	7.5
R615783		13.95	4.7	2.63	15.55	0.16	1.2	0.041	2.88	16.4	58.4	0.48	686	1.09	0.11	8.0
R615784		11.00	1285	7.99	12.35	0.10	1.0	4.57	2.27	17.5	31.2	0.63	3030	14.20	0.08	5.4
R615785		20.1	183.0	4.84	14.80	0.11	1.1	5.34	2.80	25.1	23.7	0.51	2060	2.01	0.03	6.5
R615786		17.05	10.3	2.85	14.95	0.14	1.1	0.141	2.77	23.7	72.3	0.59	1400	1.38	0.32	7.6
R615787		13.60	5.5	3.01	15.65	0.17	1.1	0.047	2.77	24.3	12.6	0.76	548	1.41	2.35	8.0
R615788		19.95	22.5	2.98	15.90	0.20	1.1	0.202	3.03	38.6	45.8	0.94	1420	1.40	0.06	7.0
R615789		10.65	97.0	4.46	13.80	0.15	0.9	0.867	3.03	53.9	12.0	0.73	3550	2.60	0.04	5.4
R615790		17.55	2.5	2.84	14.25	0.16	1.0	0.159	3.18	53.7	13.9	0.94	3110	4.07	0.03	6.6
R615791		18.35	108.0	5.79	12.35	0.12	0.9	1.615	2.47	31.4	17.7	0.66	4600	7.97	0.03	4.9
R615792		0.46	1.7	0.47	0.21	0.09	<0.1	0.005	0.04	0.6	1.2	13.30	215	0.09	<0.01	0.3
R615793		18.60	22.1	3.91	15.70	0.14	1.0	0.506	3.25	29.0	27.0	0.64	2730	2.99	0.04	6.4
R615794		12.50	3.4	2.67	16.40	0.16	1.2	0.074	1.94	26.5	96.0	0.85	884	0.92	0.04	7.6
R615795		16.75	22.8	4.09	16.05	0.14	0.9	0.347	2.85	29.6	84.9	0.89	2710	1.45	0.04	6.6
R615796		15.65	36.0	3.98	15.90	0.16	0.9	0.421	2.69	26.6	77.4	0.88	2680	0.95	0.04	6.6
R615797		20.4	8.2	3.12	16.10	0.13	1.0	0.157	2.26	22.6	62.3	0.54	1140	1.61	0.05	7.8
R615798		22.1	17.5	3.65	15.30	0.13	1.3	0.384	3.18	30.1	27.5	0.76	2500	2.26	0.03	7.7
R615799		18.00	8.8	3.26	15.45	0.12	1.2	0.170	2.75	22.2	47.0	0.56	1890	2.09	0.06	7.8
R615800		17.75	2.7	3.18	16.50	0.16	1.2	0.047	2.47	24.6	23.2	0.55	477	4.47	0.34	8.4
R614751		12.25	1.8	2.67	16.05	0.15	1.0	0.044	2.88	25.4	209	0.92	739	1.23	0.06	7.0
R614752		13.05	284	6.47	14.50	0.14	1.0	0.750	2.82	24.6	19.3	0.77	1780	8.77	0.12	6.4
R614753		10.40	73.2	5.51	16.45	0.13	1.1	0.666	3.48	25.9	23.9	0.95	2810	1.73	0.04	6.4
R614754		18.20	55.8	5.29	15.65	0.13	1.0	0.517	3.06	26.4	19.3	0.55	6270	1.76	0.02	7.1
R614755		32.3	62.7	2.68	13.40	0.12	0.7	0.264	2.50	18.2	38.3	0.33	1750	8.49	0.02	5.9
R614756		10.80	44.5	7.72	15.85	0.13	0.9	0.740	3.09	28.7	11.6	0.32	1180	2.64	0.03	6.3
R614757		15.20	40.8	5.58	15.80	0.12	1.2	0.501	3.35	28.7	19.2	0.93	3230	4.10	0.03	7.6
R614758		14.70	36.9	5.36	15.05	0.13	1.2	0.472	3.19	27.9	18.5	0.89	3040	3.71	0.03	7.2
R614759		19.95	20.7	4.23	15.60	0.13	1.0	0.229	3.26	33.5	25.4	0.99	2100	2.28	0.03	7.4
R614760		25.7	12.6	4.27	14.65	0.12	1.0	0.114	2.29	28.5	77.8	0.85	1280	2.89	0.03	7.4
R614761		19.45	17.6	3.04	15.10	0.13	1.0	0.147	2.60	27.9	79.3	0.79	1520	1.36	0.05	7.6

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126468

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615776		2.3	580	355	167.0	<0.002	0.24	4.84	9.9	<1	2.5	149.5	0.56	<0.05	12.20	0.238
R615777		2.5	580	41.8	155.0	<0.002	0.11	4.55	10.0	1	1.9	207	0.59	<0.05	11.75	0.247
R615778		2.4	510	684	191.0	<0.002	2.42	17.90	9.3	<1	3.5	90.7	0.51	0.08	11.05	0.213
R615779		2.4	610	20.2	138.0	<0.002	0.09	4.04	10.6	1	1.7	283	0.60	<0.05	12.70	0.257
R615780		2.3	520	983	166.0	<0.002	4.29	82.6	9.0	1	3.5	89.6	0.51	0.28	11.35	0.217
R615781		1.3	170	2.8	1.0	<0.002	0.01	0.14	0.1	<1	<0.2	46.8	<0.05	<0.05	0.07	<0.005
R615782		2.4	630	148.5	130.5	<0.002	0.30	3.04	10.8	1	1.9	320	0.59	0.05	13.75	0.262
R615783		2.0	600	14.3	102.5	<0.002	0.05	21.1	9.7	1	1.6	121.5	0.64	<0.05	10.10	0.259
R615784		14.1	460	9780	133.0	<0.002	7.01	226	7.2	1	8.1	119.5	0.41	0.41	8.25	0.185
R615785		2.7	500	1120	167.0	<0.002	3.78	22.7	9.2	<1	6.6	45.5	0.55	<0.05	11.95	0.212
R615786		2.2	580	206	137.5	<0.002	0.53	11.50	9.9	1	2.2	148.0	0.64	<0.05	12.35	0.237
R615787		2.6	600	20.4	108.5	<0.002	0.04	2.47	10.4	1	1.7	355	0.64	<0.05	11.45	0.262
R615788		2.4	580	153.0	169.0	<0.002	0.27	7.05	10.4	1	2.6	109.0	0.56	<0.05	13.40	0.233
R615789		2.6	490	670	192.5	<0.002	1.67	25.2	8.5	1	4.1	52.1	0.44	0.08	10.40	0.175
R615790		2.3	540	192.0	186.0	<0.002	0.69	17.15	9.9	1	3.2	70.7	0.53	<0.05	12.05	0.216
R615791		2.5	400	616	162.5	<0.002	4.02	56.3	7.2	1	8.2	30.5	0.38	0.06	8.44	0.162
R615792		1.3	180	2.1	2.3	<0.002	<0.01	0.13	0.2	<1	<0.2	50.3	<0.05	<0.05	0.08	<0.005
R615793		2.4	550	623	198.0	<0.002	1.44	12.70	9.3	1	4.1	57.8	0.56	<0.05	12.50	0.210
R615794		2.3	610	24.9	93.5	<0.002	0.20	10.10	10.0	1	2.2	224	0.66	<0.05	11.70	0.238
R615795		2.8	590	264	164.0	<0.002	0.59	11.05	10.2	1	3.2	90.9	0.54	0.06	14.15	0.218
R615796		2.4	570	283	159.0	<0.002	0.57	13.20	10.1	1	3.3	98.0	0.55	0.08	13.30	0.210
R615797		2.2	630	36.0	102.5	<0.002	0.36	19.20	10.8	1	2.3	76.5	0.61	<0.05	12.40	0.264
R615798		2.9	540	90.8	174.5	<0.002	0.74	12.80	10.5	1	2.4	48.9	0.64	<0.05	13.40	0.239
R615799		2.5	590	152.0	128.0	<0.002	0.53	18.10	10.0	1	2.1	95.7	0.65	<0.05	11.60	0.242
R615800		2.2	620	17.8	103.5	<0.002	0.09	13.60	10.7	1	2.0	110.0	0.72	<0.05	13.50	0.262
R614751		2.3	600	10.2	132.0	<0.002	0.21	4.23	10.0	1	2.3	91.1	0.57	<0.05	12.80	0.231
R614752		12.4	530	1285	166.5	<0.002	4.63	61.8	9.3	2	7.6	94.5	0.51	0.92	11.20	0.211
R614753		2.6	580	530	228	<0.002	1.71	10.45	10.4	1	4.9	48.9	0.52	<0.05	14.25	0.209
R614754		2.3	560	80.7	166.5	<0.002	0.56	41.4	10.3	1	5.4	65.4	0.54	<0.05	13.80	0.238
R614755		2.0	380	246	151.5	<0.002	0.35	79.3	7.9	1	3.6	34.0	0.46	<0.05	10.45	0.197
R614756		2.8	480	198.5	219	<0.002	6.61	21.9	9.1	1	8.7	18.9	0.54	0.16	10.55	0.207
R614757		2.5	590	633	218	<0.002	1.59	19.60	10.2	1	4.8	66.4	0.64	<0.05	13.80	0.242
R614758		2.3	560	586	208	<0.002	1.50	18.55	9.8	<1	4.6	63.3	0.61	<0.05	12.15	0.229
R614759		2.3	600	263	197.5	<0.002	0.45	10.45	11.0	1	3.1	118.5	0.57	<0.05	13.30	0.257
R614760		2.5	550	206	127.0	0.002	1.59	11.35	9.9	1	2.0	140.0	0.62	<0.05	11.80	0.231
R614761		2.1	600	88.3	130.5	<0.002	0.46	9.48	10.4	1	2.1	188.0	0.60	<0.05	14.25	0.253

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126468

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615776		2.28	4.4	68	1.7	13.3	1030	28.7	0.009
R615777		2.06	4.7	67	1.4	14.8	139	29.1	0.005
R615778		3.05	5.1	60	4.1	11.8	2620	25.2	0.198
R615779		1.72	3.8	72	1.0	16.2	72	33.3	<0.005
R615780		2.43	4.4	59	2.7	12.9	3860	26.6	4.08
R615781		0.03	0.5	2	0.1	0.7	22	<0.5	0.005
R615782		1.51	3.8	72	1.4	17.7	245	33.5	0.027
R615783		1.56	3.1	71	2.2	13.5	47	34.3	<0.005
R615784		2.05	5.0	53	4.1	9.2	>10000	32.8	4.38
R615785		2.66	5.1	59	5.8	10.5	>10000	30.6	1.515
R615786		2.08	4.3	65	2.3	14.7	638	31.7	0.039
R615787		1.19	3.3	71	0.9	16.9	61	31.2	<0.005
R615788		2.60	7.6	72	3.2	15.8	358	30.7	0.012
R615789		2.74	5.9	61	4.9	11.8	1590	23.0	0.668
R615790		3.02	6.4	70	3.2	16.2	239	29.7	0.057
R615791		2.44	3.2	50	5.5	9.2	5190	20.8	0.970
R615792		0.03	0.6	2	0.1	0.8	28	<0.5	<0.005
R615793		3.14	8.0	65	4.2	11.5	1230	27.4	0.054
R615794		1.75	4.6	70	2.9	16.2	90	33.9	0.018
R615795		2.59	4.5	64	3.7	12.3	386	26.1	0.064
R615796		2.47	4.0	62	3.4	12.7	845	27.7	0.038
R615797		1.67	3.5	75	2.9	13.9	326	29.4	0.016
R615798		3.15	4.5	72	4.6	14.1	522	33.4	0.051
R615799		2.36	3.6	66	3.6	12.8	268	33.3	0.016
R615800		1.34	2.7	72	2.4	18.9	95	36.0	<0.005
R614751		2.69	7.2	70	2.3	13.8	55	27.8	0.008
R614752		2.50	5.0	63	5.6	11.6	2410	29.6	0.869
R614753		3.41	5.3	72	4.7	10.5	1110	30.3	0.100
R614754		3.31	5.9	70	9.2	12.1	202	30.2	0.010
R614755		2.67	3.7	55	8.4	9.6	425	21.4	0.032
R614756		3.05	3.2	63	7.4	9.5	1120	25.6	0.666
R614757		3.38	7.1	68	7.0	10.7	1620	39.7	0.065
R614758		3.18	6.4	64	6.5	10.3	1500	34.7	0.060
R614759		3.34	4.8	73	5.4	15.1	510	29.2	0.008
R614760		2.08	5.0	65	3.9	15.3	385	29.9	0.208
R614761		2.26	4.2	68	4.3	15.1	290	28.5	0.029

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126468

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	BAG-01
CRU-32	CRU-QC	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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Finalized Date: 3-SEP-2016
Account: ROCKHA

CERTIFICATE VA16126470

Project: Klaza

P.O. No.: Batch 87

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

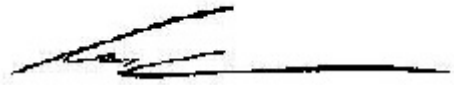
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126470

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614762		2.62			9.71	4.84	1155	350	0.94	15.90	2.54	12.25	28.1	7.7	9	7.75
R614763		3.68			1.12	6.65	234	780	1.64	1.08	1.97	5.84	39.4	5.3	12	18.25
R614764		3.04			0.21	7.34	25.8	760	1.72	0.16	1.65	0.31	47.7	5.5	10	24.6
R614765		6.90			0.66	6.32	33.9	2740	1.56	1.14	2.66	0.68	53.0	6.6	10	20.8
R614766		4.78			0.08	7.71	6.8	2280	1.95	0.11	2.42	0.12	48.2	8.3	14	29.7
R614767		0.32			4.43	6.76	696	610	1.54	3.43	2.05	10.80	47.2	13.0	25	13.10
R614768		2.18			1.52	7.18	132.0	820	1.44	1.81	1.06	12.00	47.3	5.0	11	12.30
R614769		3.28			0.08	6.96	14.4	1130	1.47	0.16	2.00	0.21	37.2	4.6	11	14.95
R614770		4.42			0.06	7.11	15.2	1140	1.49	0.18	2.03	0.23	41.8	4.8	10	16.05
R614771		2.90			0.97	7.63	47.3	540	1.65	0.73	1.29	19.50	44.8	1.7	10	9.29
R614772		3.02			2.07	6.31	161.0	580	1.68	2.25	0.87	23.2	34.4	1.8	9	6.54
R614773		3.46			0.20	7.37	12.1	340	1.34	0.31	2.32	0.34	32.8	1.8	11	8.84
R614774		1.54			0.15	7.06	12.8	300	1.09	0.22	2.17	0.54	34.5	1.5	10	10.10
R614775		3.60			0.23	6.93	21.2	200	1.43	0.33	2.30	0.40	34.8	1.5	10	8.51
R614776		2.56			1.10	6.86	101.0	1100	1.76	0.85	2.64	2.39	44.2	10.5	10	12.60
R614777		3.98			0.31	7.41	15.5	550	2.07	0.29	3.87	2.03	39.9	1.7	11	15.80
R614778		3.16			0.22	6.81	17.4	1790	1.49	0.25	2.30	6.44	24.1	4.9	12	6.94
R614779		2.08			0.76	8.18	59.5	1840	1.76	0.49	0.73	9.06	43.2	4.5	11	7.66
R614780		0.32	120	1.640	>100	5.45	8160	990	1.25	61.6	1.97	230	33.5	9.6	17	11.15
R614781		4.14			1.83	7.30	192.5	1460	1.44	1.88	0.34	18.20	23.0	7.2	14	6.58
R614782		1.70			2.28	5.50	546	1060	1.10	2.49	0.64	25.0	15.80	5.5	19	4.84
R614783		2.60			0.49	5.79	80.8	1420	1.24	0.46	0.22	10.85	17.70	9.6	16	5.10
R614784		2.58			0.46	8.55	90.6	1450	1.86	0.29	0.23	24.2	46.9	7.2	12	20.0
R614785		2.28			5.46	7.22	2270	860	1.46	5.20	0.16	40.5	59.9	2.7	13	9.22
R614786		7.76			0.01	0.07	1.9	40	0.05	0.03	21.1	0.11	1.34	0.9	1	0.18
R614787		2.50			4.32	7.31	1265	770	1.51	2.60	0.21	38.0	61.9	3.4	12	12.15
R614788		4.14			9.58	6.60	6500	330	1.32	7.71	0.07	106.5	54.5	3.7	12	10.40
R614789		8.14			0.72	7.95	138.5	2060	1.86	0.63	1.17	23.3	56.1	5.0	11	20.7
R614790		7.58			0.01	0.06	1.5	30	0.06	0.04	21.7	0.16	1.23	0.9	1	0.15
R614791		4.42			0.23	7.09	43.1	2400	1.43	0.19	2.66	3.32	53.5	5.4	11	20.1
R614792		4.06			0.26	7.05	41.2	1390	1.40	0.31	2.13	5.04	43.6	4.3	10	20.6
R614793		<0.02			0.27	7.64	39.7	1540	1.39	0.29	2.16	5.46	42.8	4.4	10	20.3
R614794		2.64			0.71	7.53	90.3	1890	1.79	0.78	2.46	2.62	59.5	6.9	12	22.8
R614795		3.56			0.76	7.42	131.0	1790	1.89	0.49	2.50	6.39	42.9	5.9	12	16.00
R614796		2.18			7.43	7.08	1035	440	1.84	7.43	1.88	101.5	41.1	6.2	10	19.60
R614797		2.92			0.12	7.30	14.1	2170	1.60	0.09	2.61	0.63	32.5	6.3	13	15.25

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 3-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16126470

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614762		224	11.25	13.20	0.08	0.7	0.783	2.25	14.6	7.0	1.07	5170	1.06	0.02	4.5	2.5
R614763		18.1	4.44	17.10	0.09	1.0	0.382	2.87	20.6	22.8	0.79	2680	1.11	0.04	7.2	2.9
R614764		7.0	3.94	18.15	0.13	1.1	0.137	2.85	25.2	18.7	0.78	2370	1.30	0.04	7.9	2.5
R614765		99.4	3.14	17.95	0.13	1.1	0.151	2.86	29.8	46.9	0.55	845	1.24	0.09	7.8	2.3
R614766		11.0	3.67	18.55	0.13	1.3	0.037	2.94	25.6	24.1	0.81	523	1.18	1.79	8.6	3.4
R614767		307	5.07	17.20	0.11	1.1	0.289	2.98	27.3	24.3	0.79	1920	14.40	0.15	6.4	15.7
R614768		32.1	4.06	17.25	0.11	0.9	0.584	3.28	22.5	14.4	0.55	1960	1.96	0.04	6.8	2.6
R614769		4.3	2.70	18.25	0.09	1.0	0.086	1.65	17.8	208	0.61	735	0.63	0.05	7.9	2.3
R614770		3.9	2.74	18.10	0.10	1.1	0.092	1.70	20.2	205	0.64	742	0.71	0.06	8.2	2.3
R614771		54.6	2.73	18.00	0.13	0.7	0.571	2.47	16.2	29.1	0.57	2120	0.98	0.04	7.9	1.3
R614772		43.9	4.13	15.45	0.12	0.5	0.796	3.01	12.9	20.8	0.47	2900	5.43	0.04	4.9	1.2
R614773		8.6	1.82	17.90	0.09	0.9	0.213	1.72	11.9	120.5	0.76	933	0.65	0.04	8.1	1.6
R614774		11.2	1.68	17.70	0.11	0.9	0.199	1.52	13.0	121.5	0.71	883	0.55	0.04	8.1	1.5
R614775		8.3	1.50	17.15	0.09	0.9	0.206	0.96	12.0	96.7	0.66	926	0.44	0.04	8.0	1.5
R614776		10.1	3.96	18.05	0.15	0.8	0.555	2.63	16.3	15.7	0.86	3820	0.58	0.09	6.5	1.7
R614777		39.1	2.10	18.95	0.14	1.1	0.174	0.79	14.8	22.7	0.79	652	0.34	2.06	9.1	2.1
R614778		6.6	2.08	18.45	0.12	1.0	0.044	2.97	10.7	21.5	0.45	691	2.35	0.22	5.6	3.0
R614779		31.0	2.40	19.40	0.12	1.2	0.113	3.28	21.0	50.7	0.22	1180	2.22	0.06	6.8	2.3
R614780		1295	8.21	14.35	0.13	1.1	4.64	2.33	18.0	29.2	0.65	3120	15.80	0.08	5.8	14.8
R614781		65.2	3.77	19.75	0.12	1.1	0.397	3.31	10.7	43.6	0.26	1420	5.26	0.06	5.5	3.3
R614782		74.9	3.17	15.05	0.09	0.8	0.466	2.50	7.8	28.7	0.32	1220	2.26	0.05	3.7	2.7
R614783		30.3	2.23	15.40	0.08	0.8	0.159	2.68	8.1	32.8	0.21	1020	4.62	0.06	4.7	3.5
R614784		25.6	3.59	20.5	0.12	1.4	0.188	3.81	24.8	25.2	0.25	2150	2.77	0.06	8.2	3.6
R614785		52.1	6.65	17.25	0.11	1.1	0.764	3.43	33.4	7.9	0.34	1170	2.37	0.03	6.4	1.8
R614786		2.8	0.47	0.29	0.07	<0.1	0.006	0.03	0.6	1.3	12.90	205	0.08	0.01	0.2	1.3
R614787		43.2	6.35	17.55	0.11	1.1	0.866	3.51	34.7	6.5	0.39	1690	1.58	0.03	7.2	2.0
R614788		173.0	7.82	17.60	0.10	1.0	1.740	3.11	30.1	9.0	0.24	209	2.42	0.03	6.3	2.1
R614789		44.9	3.39	19.80	0.12	1.2	0.269	3.10	29.8	57.6	0.47	1300	3.71	0.04	7.5	2.5
R614790		2.2	0.48	0.21	0.07	<0.1	0.005	0.02	0.6	1.2	13.30	214	0.07	<0.01	0.1	1.1
R614791		6.8	2.94	16.90	0.13	1.0	0.049	2.97	28.1	44.2	1.04	835	3.91	0.04	6.8	2.5
R614792		9.7	2.75	18.85	0.14	1.1	0.052	3.08	22.5	31.3	0.66	661	1.66	0.05	6.7	2.2
R614793		9.3	2.85	17.35	0.14	1.0	0.052	3.22	23.1	34.5	0.68	705	1.60	0.05	6.4	2.8
R614794		7.0	3.74	16.45	0.16	1.0	0.101	3.43	33.7	20.1	0.90	1100	1.58	0.08	7.4	2.6
R614795		11.8	4.06	17.05	0.12	1.1	0.275	3.65	22.9	9.5	0.69	1710	1.99	0.72	7.3	2.5
R614796		85.3	5.75	15.40	0.13	0.9	1.605	3.12	22.9	13.6	0.83	2900	2.10	0.04	6.7	2.6
R614797		7.9	3.17	16.50	0.12	1.0	0.040	2.90	15.9	23.6	0.72	565	1.97	1.45	8.1	2.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126470

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614762		350	493	141.5	<0.002	9.05	29.6	6.7	1	6.0	48.1	0.35	0.16	8.05	0.147	2.29
R614763		520	112.5	128.0	<0.002	1.55	9.32	9.7	1	3.3	90.0	0.59	<0.05	12.25	0.220	2.96
R614764		570	34.6	124.0	<0.002	0.30	10.25	11.1	1	3.0	80.9	0.60	<0.05	13.60	0.245	3.09
R614765		570	28.2	114.0	<0.002	0.34	11.55	11.3	1	1.7	140.0	0.62	<0.05	14.90	0.238	2.06
R614766		590	18.8	115.5	<0.002	0.02	4.42	11.2	1	1.7	312	0.72	<0.05	14.60	0.259	1.28
R614767		530	493	163.0	0.003	2.74	29.3	9.8	1	5.8	107.5	0.52	0.33	11.75	0.206	2.53
R614768		580	167.5	187.5	<0.002	2.04	14.80	10.3	1	4.8	43.3	0.53	0.10	13.35	0.218	2.90
R614769		610	11.9	58.7	<0.002	0.08	23.3	10.1	1	2.1	145.5	0.62	<0.05	10.85	0.248	1.30
R614770		620	12.3	67.4	<0.002	0.08	23.8	10.9	1	2.1	146.5	0.64	<0.05	11.80	0.251	1.32
R614771		470	130.5	143.0	<0.002	0.46	20.6	8.8	1	4.9	55.2	0.60	0.05	13.45	0.240	2.27
R614772		130	364	182.5	0.002	2.05	9.70	3.7	1	8.9	31.6	0.38	<0.05	8.42	0.152	2.17
R614773		670	19.9	78.6	<0.002	0.10	12.95	10.3	1	3.7	137.0	0.65	0.05	11.75	0.257	1.86
R614774		660	30.0	75.9	<0.002	0.07	13.95	10.8	1	4.0	142.0	0.64	<0.05	12.40	0.250	1.76
R614775		710	38.8	36.6	<0.002	0.09	9.94	10.6	1	3.6	95.9	0.66	<0.05	11.35	0.253	1.36
R614776		1130	130.0	154.0	<0.002	1.35	11.20	10.7	1	5.5	74.8	0.52	0.09	12.65	0.189	3.13
R614777		600	26.5	41.2	<0.002	0.05	8.56	11.9	1	3.5	319	0.74	<0.05	12.95	0.265	1.02
R614778		570	32.6	127.0	<0.002	0.18	6.08	10.0	<1	2.0	65.2	0.44	<0.05	11.55	0.176	1.92
R614779		620	119.5	169.0	<0.002	0.26	13.00	10.8	1	3.0	33.0	0.54	<0.05	15.15	0.209	2.51
R614780		460	9900	132.0	<0.002	7.21	222	7.7	2	9.0	121.5	0.44	0.50	8.81	0.185	2.21
R614781		560	188.0	184.0	<0.002	0.64	14.00	9.9	1	3.3	18.2	0.48	0.08	14.80	0.170	3.03
R614782		420	219	146.5	<0.002	0.43	23.2	7.3	<1	2.4	23.6	0.35	0.06	9.37	0.136	2.20
R614783		490	48.3	160.5	<0.002	0.23	19.90	6.8	1	2.1	18.6	0.37	0.06	10.70	0.144	2.51
R614784		660	106.5	211	<0.002	0.15	11.00	11.4	1	2.6	24.5	0.66	<0.05	15.30	0.246	3.53
R614785		540	1770	226	<0.002	2.71	17.70	9.5	<1	7.4	8.8	0.52	0.09	12.15	0.209	3.47
R614786		190	2.5	1.3	<0.002	0.01	0.10	0.2	1	<0.2	49.4	<0.05	<0.05	0.17	<0.005	<0.02
R614787		520	1320	231	<0.002	2.41	18.40	9.8	1	6.7	12.5	0.55	0.08	12.65	0.227	3.58
R614788		360	954	211	<0.002	7.13	51.2	9.3	1	9.6	20.0	0.50	0.29	11.60	0.200	3.18
R614789		650	168.0	164.5	<0.002	0.45	13.05	11.5	1	2.0	82.4	0.61	<0.05	13.55	0.234	2.62
R614790		180	2.4	1.2	<0.002	<0.01	0.11	0.2	1	<0.2	49.8	<0.05	<0.05	0.10	<0.005	<0.02
R614791		610	13.6	134.5	<0.002	0.31	10.50	10.3	1	2.2	126.0	0.51	<0.05	11.85	0.219	2.25
R614792		580	16.0	125.0	<0.002	0.23	8.92	9.5	1	1.7	98.4	0.55	<0.05	11.25	0.210	2.24
R614793		600	17.5	137.0	<0.002	0.24	7.67	9.8	1	1.5	99.4	0.51	<0.05	11.00	0.217	2.37
R614794		630	99.2	167.0	<0.002	0.97	7.38	11.3	1	2.2	144.0	0.53	0.08	10.85	0.241	2.65
R614795		590	324	179.0	<0.002	0.37	4.66	10.3	1	2.9	166.5	0.57	<0.05	10.75	0.230	3.05
R614796		530	828	167.0	<0.002	3.61	13.75	9.9	1	3.8	78.5	0.53	0.08	9.95	0.216	3.16
R614797		670	16.6	89.9	<0.002	0.07	5.66	10.7	1	1.7	303	0.61	<0.05	7.76	0.274	1.70

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16126470

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614762		2.3	42	6.9	7.4	942	19.6	1.225
R614763		4.4	61	4.9	12.6	457	30.8	0.215
R614764		7.1	67	4.7	14.1	59	32.1	<0.005
R614765		4.6	68	3.7	17.4	118	32.6	0.017
R614766		5.0	70	4.8	18.5	48	38.7	0.006
R614767		5.2	66	6.0	12.9	871	33.5	0.352
R614768		6.4	72	4.3	13.3	1130	26.7	0.043
R614769		2.7	70	5.3	13.9	67	30.9	<0.005
R614770		3.0	70	5.3	16.4	68	32.1	<0.005
R614771		5.2	54	3.9	16.9	1580	19.4	0.021
R614772		3.1	52	5.9	12.1	1910	16.2	0.111
R614773		3.4	65	4.1	14.7	80	24.3	<0.005
R614774		3.1	66	5.1	14.7	92	25.3	<0.005
R614775		4.0	66	4.0	17.3	77	24.8	0.012
R614776		3.4	65	2.8	18.2	254	21.6	0.129
R614777		4.0	73	2.3	20.9	177	30.9	0.006
R614778		3.0	72	1.1	9.7	384	26.4	<0.005
R614779		3.5	67	1.5	12.5	725	33.4	0.011
R614780		5.5	53	4.7	9.6	>10000	36.7	4.43
R614781		4.4	66	3.0	10.2	1320	30.8	0.067
R614782		4.4	57	3.0	7.6	1310	21.2	0.068
R614783		4.0	54	1.7	10.1	752	23.5	0.010
R614784		6.8	78	3.9	18.2	1730	35.2	0.007
R614785		3.6	64	7.6	8.6	2930	25.9	0.281
R614786		0.7	2	0.1	0.8	21	1.2	<0.005
R614787		3.8	66	6.9	8.7	1860	28.7	0.427
R614788		3.6	60	9.8	10.4	1990	25.5	1.505
R614789		3.9	75	2.9	15.6	2110	33.8	0.013
R614790		0.5	2	0.1	0.8	26	<0.5	<0.005
R614791		4.2	71	3.7	16.2	187	26.4	0.009
R614792		3.7	71	3.4	13.0	386	29.3	0.008
R614793		3.5	73	3.3	12.8	431	25.2	0.007
R614794		5.1	72	4.4	14.8	249	25.6	0.028
R614795		4.2	66	3.2	13.7	627	28.9	0.009
R614796		5.5	60	4.3	11.8	6940	24.2	0.257
R614797		3.2	75	1.0	13.9	124	26.9	<0.005

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 3-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16126470

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

CERTIFICATE VA16127174

Project: Klaza

This report is for 68 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

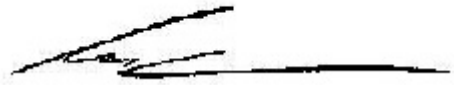
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-AA24	Au 50g FA AA finish	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ63101		0.54	<0.005	0.09	7.49	10.6	910	1.56	1.37	2.00	0.16	52.5	10.2	58	3.48	17.9
ZZ63102		0.40	<0.005	0.16	8.06	15.5	980	1.55	1.72	1.99	0.25	61.8	13.7	61	4.15	26.4
ZZ63103		0.24	0.007	0.38	7.68	23.2	730	1.47	2.51	2.21	0.25	52.6	12.4	59	5.16	37.8
ZZ63104		0.56	<0.005	0.25	7.47	17.8	890	2.07	1.48	1.80	0.23	50.1	14.2	69	5.21	33.7
ZZ63105		0.58	0.005	0.23	7.37	19.1	860	1.47	1.30	1.90	0.20	49.6	12.3	66	4.49	24.1
ZZ63106		0.54	0.017	0.17	8.10	56.0	890	1.67	1.67	1.59	0.25	57.9	15.4	68	11.55	28.6
ZZ63107		0.40	<0.005	0.13	7.34	18.0	910	1.65	0.89	1.97	0.23	51.8	10.9	59	5.35	20.7
ZZ63108		0.40	<0.005	0.28	7.29	23.8	810	1.41	1.97	1.74	0.23	58.8	11.8	61	6.56	31.0
ZZ63109		0.58	<0.005	0.15	7.54	11.8	900	1.60	1.63	1.90	0.16	55.4	11.9	60	4.15	19.3
ZZ63110		0.48	<0.005	0.14	7.35	9.1	920	1.58	1.25	1.91	0.21	60.0	12.6	64	3.66	20.7
ZZ63111		0.46	0.005	0.23	7.69	12.5	990	1.54	1.69	1.85	0.24	64.3	13.6	69	4.55	26.7
ZZ63112		0.42	<0.005	0.29	7.72	19.8	900	1.63	1.85	1.68	0.21	60.4	16.0	72	6.48	32.3
ZZ63113		0.46	<0.005	0.22	7.26	23.2	890	1.48	1.51	1.81	0.20	56.7	10.6	63	4.04	20.2
ZZ63114		0.42	<0.005	0.21	7.11	11.3	810	1.39	1.69	1.94	0.15	46.4	11.3	63	4.63	17.3
ZZ63115		0.62	<0.005	0.16	7.08	8.5	850	1.71	2.21	2.06	0.16	62.0	12.2	61	3.74	19.4
ZZ63116		0.62	<0.005	0.24	7.36	13.1	840	1.26	2.15	1.89	0.18	46.9	13.4	66	4.55	21.1
ZZ63117		0.42	0.007	0.48	7.03	16.4	810	1.38	2.65	1.78	0.22	50.4	12.5	62	5.48	31.7
ZZ63118		0.34	<0.005	0.31	7.25	9.7	760	1.32	1.86	2.57	0.35	51.2	16.7	46	3.28	27.9
ZZ63119		0.28	<0.005	0.49	7.14	13.7	850	1.40	2.42	1.94	0.27	57.4	10.4	52	4.02	26.0
ZZ63120		0.42	<0.005	0.25	7.36	13.4	980	1.57	2.18	1.96	0.33	62.7	13.3	52	4.36	33.2
ZZ63121		0.44	0.009	0.18	7.38	12.4	1000	1.43	2.10	1.82	0.32	55.7	13.5	53	4.28	27.6
ZZ63122		0.66	<0.005	0.16	7.53	13.2	960	1.57	1.74	1.94	0.22	65.4	12.1	56	4.04	21.5
ZZ63123		0.46	0.006	0.13	7.20	6.0	960	1.37	1.08	2.11	0.18	52.2	9.5	47	3.11	20.1
ZZ63124		0.62	<0.005	0.14	7.49	12.5	900	1.37	2.31	2.11	0.21	58.4	12.2	53	4.13	23.3
ZZ63125		0.46	<0.005	0.19	7.43	18.0	960	1.44	2.09	2.18	0.42	57.1	14.8	47	3.67	24.7
ZZ63126		0.40	<0.005	0.24	7.36	16.2	840	1.48	1.82	2.13	0.29	51.5	12.8	43	4.09	27.4
ZZ63127		0.66	<0.005	0.22	6.95	42.7	800	1.42	2.23	1.82	0.15	51.7	16.0	54	5.43	21.8
ZZ63128		0.52	<0.005	0.13	7.37	12.2	870	1.38	2.00	2.12	0.15	48.9	11.9	51	5.00	17.7
ZZ63129		0.38	<0.005	0.26	7.17	16.1	820	1.37	2.47	2.07	0.17	55.1	11.4	56	6.16	19.9
ZZ63130		0.58	<0.005	0.15	6.80	10.0	880	1.37	1.17	1.97	0.16	56.6	10.9	54	3.56	14.2
ZZ63131		0.40	0.007	0.31	7.68	39.9	910	1.60	2.40	1.97	0.32	60.9	11.0	61	7.98	21.5
ZZ63132		0.64	0.007	0.30	7.61	29.2	950	1.52	2.47	2.11	0.23	64.3	14.6	64	5.20	25.3
ZZ63133		0.64	<0.005	0.13	7.48	8.4	900	1.46	1.58	2.29	0.13	55.3	11.6	61	4.03	16.8
ZZ63134		0.50	<0.005	0.14	7.68	10.8	970	1.39	1.86	2.13	0.16	57.7	12.7	64	4.29	18.7
ZZ63135		0.54	<0.005	0.30	7.71	9.8	940	1.44	2.39	1.90	0.14	59.5	11.5	59	5.00	21.4
ZZ63136		0.74	<0.005	0.29	7.98	11.4	970	1.48	2.64	1.90	0.16	54.5	11.8	65	5.11	24.2
ZZ63137		0.44	<0.005	0.22	7.87	7.1	980	1.43	3.95	1.96	0.25	74.2	11.4	60	5.39	30.5
ZZ63138		0.46	<0.005	0.10	7.77	12.5	970	1.64	2.26	2.29	0.29	77.2	13.9	60	5.58	29.8
ZZ63051		0.48	<0.005	0.18	7.53	12.7	960	1.45	2.32	2.10	0.28	68.7	14.6	65	5.06	30.2
ZZ63052		0.44	<0.005	0.14	7.71	8.8	1020	1.41	1.92	2.44	0.22	66.0	13.6	59	4.32	26.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
ZZ63101		3.06	17.05	0.11	1.7	0.054	1.50	26.0	20.0	1.00	504	0.70	1.95	10.6	16.2	680
ZZ63102		3.97	18.50	0.14	2.0	0.062	1.52	31.1	21.9	1.00	610	0.94	1.92	11.4	18.0	750
ZZ63103		4.50	19.05	0.12	1.9	0.072	1.18	31.5	22.2	1.23	524	1.42	1.60	8.9	19.7	930
ZZ63104		4.07	17.85	0.13	1.8	0.055	1.37	23.9	23.6	1.20	658	1.45	1.61	10.4	22.5	820
ZZ63105		3.71	17.40	0.13	1.7	0.055	1.43	25.2	21.8	1.10	593	1.28	1.74	10.6	20.6	760
ZZ63106		4.42	19.60	0.14	1.8	0.069	1.61	28.7	27.0	1.24	579	1.77	1.53	12.4	21.4	510
ZZ63107		3.21	17.15	0.15	1.4	0.043	1.60	26.4	22.6	1.12	591	0.80	1.93	11.5	19.2	630
ZZ63108		4.35	17.50	0.12	1.7	0.064	1.42	28.8	19.1	1.03	631	1.44	1.54	10.4	17.0	980
ZZ63109		3.66	17.25	0.13	1.9	0.052	1.48	28.2	20.8	1.05	609	0.99	1.87	11.0	18.0	790
ZZ63110		3.33	17.55	0.12	1.7	0.059	1.52	30.3	22.1	1.10	573	0.76	1.87	10.7	21.4	650
ZZ63111		3.60	18.45	0.14	1.7	0.061	1.53	32.2	23.6	1.12	539	0.98	1.81	10.8	23.8	710
ZZ63112		4.64	19.10	0.15	1.8	0.065	1.38	30.4	25.1	1.16	744	1.42	1.55	11.1	24.1	1130
ZZ63113		3.68	17.40	0.13	1.7	0.053	1.41	28.4	20.2	0.98	485	0.90	1.78	10.6	18.7	770
ZZ63114		3.69	16.55	0.13	1.6	0.056	1.35	23.2	20.4	1.13	593	0.92	1.76	10.6	17.9	980
ZZ63115		3.45	16.65	0.16	1.7	0.054	1.41	29.6	19.8	1.19	608	0.78	1.89	11.7	19.0	470
ZZ63116		3.73	17.10	0.12	1.7	0.060	1.40	22.9	22.5	1.18	555	1.10	1.75	11.1	21.0	510
ZZ63117		4.18	17.00	0.11	1.8	0.059	1.27	24.6	19.9	1.07	559	1.38	1.55	10.2	17.0	1100
ZZ63118		4.49	18.25	0.14	1.9	0.051	1.33	26.5	17.4	1.34	657	1.37	1.97	9.5	16.8	950
ZZ63119		3.53	16.70	0.13	1.8	0.058	1.40	31.2	17.7	0.97	1050	1.38	1.78	11.0	14.8	970
ZZ63120		3.75	17.90	0.13	2.0	0.058	1.55	31.4	19.8	1.00	851	1.29	1.90	10.9	18.1	710
ZZ63121		3.86	17.05	0.17	2.1	0.050	1.48	28.4	19.2	0.94	1140	1.17	1.82	10.3	16.3	750
ZZ63122		3.64	17.50	0.17	2.1	0.055	1.54	33.0	19.7	1.01	568	1.12	1.89	11.0	17.2	720
ZZ63123		2.73	16.90	0.22	1.9	0.047	1.59	26.0	17.9	0.95	545	1.21	2.05	10.6	18.7	640
ZZ63124		3.52	16.95	0.22	2.1	0.053	1.40	30.1	17.5	1.07	602	1.10	1.91	10.5	16.9	650
ZZ63125		4.01	17.60	0.20	2.1	0.045	1.48	29.1	18.3	1.03	2240	2.19	2.01	9.6	16.5	720
ZZ63126		3.65	17.25	0.20	1.9	0.051	1.33	26.6	18.6	1.04	821	1.52	1.91	9.7	15.5	780
ZZ63127		4.91	15.90	0.19	1.7	0.056	1.29	25.9	17.5	1.05	798	1.65	1.64	10.0	15.9	550
ZZ63128		3.21	17.25	0.22	1.7	0.057	1.47	24.5	18.6	1.17	549	1.27	1.93	11.6	16.0	560
ZZ63129		3.63	17.05	0.24	1.8	0.054	1.36	28.9	17.9	1.13	618	1.28	1.71	10.5	17.8	790
ZZ63130		3.08	15.90	0.22	1.6	0.050	1.48	27.0	18.5	0.99	495	0.78	1.86	10.1	18.4	460
ZZ63131		3.28	18.10	0.20	1.8	0.060	1.62	29.0	20.2	1.10	873	1.38	1.78	12.7	20.3	660
ZZ63132		4.04	18.65	0.23	1.9	0.057	1.52	31.4	20.9	1.18	674	1.04	1.84	11.4	23.2	790
ZZ63133		3.28	17.35	0.22	1.7	0.053	1.50	28.3	18.1	1.19	603	0.68	1.96	11.4	20.3	650
ZZ63134		3.45	17.80	0.19	1.8	0.059	1.59	28.9	20.2	1.19	711	0.75	1.94	12.4	22.0	720
ZZ63135		3.42	18.30	0.23	1.9	0.061	1.50	29.3	21.2	1.10	502	0.83	1.81	10.8	19.7	700
ZZ63136		3.39	18.60	0.22	2.0	0.067	1.59	27.3	22.9	1.12	600	0.73	1.82	11.0	24.3	560
ZZ63137		2.97	17.80	0.25	1.9	0.060	1.66	35.4	19.7	1.09	544	0.66	1.89	11.3	18.5	510
ZZ63138		3.85	18.15	0.24	2.0	0.055	1.67	38.2	18.2	1.16	617	0.94	2.07	14.6	20.8	840
ZZ63051		3.88	18.25	0.24	1.9	0.065	1.41	34.7	19.0	1.17	637	0.89	1.79	11.9	20.5	840
ZZ63052		3.47	18.15	0.25	1.8	0.061	1.59	34.1	18.3	1.35	648	0.88	2.00	13.6	17.7	600

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
ZZ63101		18.0	62.2	<0.002	0.02	1.80	12.7	<1	1.7	336	0.74	0.07	8.38	0.457	0.55	2.0
ZZ63102		17.9	67.9	<0.002	0.01	2.22	14.8	1	1.9	332	0.78	0.07	10.55	0.459	0.66	2.5
ZZ63103		14.8	60.9	<0.002	0.05	1.64	19.1	1	2.0	368	0.61	0.08	17.55	0.454	0.65	4.5
ZZ63104		16.6	79.1	<0.002	0.03	1.46	15.2	1	1.9	286	0.72	0.08	10.15	0.472	0.66	2.1
ZZ63105		16.8	68.5	<0.002	0.02	1.69	14.4	1	1.9	303	0.72	0.05	8.79	0.437	0.60	1.9
ZZ63106		23.7	97.0	<0.002	0.01	3.40	17.9	1	2.3	260	0.86	0.09	11.35	0.512	0.88	3.2
ZZ63107		16.4	71.2	<0.002	0.01	2.31	13.8	1	2.0	325	0.77	0.05	8.65	0.460	0.63	2.1
ZZ63108		19.8	76.2	0.002	0.04	3.06	15.4	1	2.1	267	0.71	0.10	12.60	0.427	0.78	2.5
ZZ63109		17.6	64.3	<0.002	0.02	1.94	13.4	1	1.8	314	0.77	0.06	8.83	0.444	0.64	2.1
ZZ63110		15.4	66.9	<0.002	0.01	1.40	13.7	1	1.7	317	0.72	0.05	8.65	0.439	0.53	1.9
ZZ63111		16.3	71.0	<0.002	0.02	1.51	15.1	1	1.9	308	0.76	0.05	10.10	0.445	0.59	2.3
ZZ63112		17.4	72.2	<0.002	0.04	1.76	16.7	1	1.9	266	0.76	0.07	10.75	0.454	0.70	2.7
ZZ63113		17.2	64.1	<0.002	0.03	1.71	13.7	1	1.8	303	0.76	0.06	9.75	0.423	0.57	2.4
ZZ63114		16.1	56.4	<0.002	0.04	1.63	14.8	1	1.8	307	0.74	0.05	8.35	0.466	0.56	2.1
ZZ63115		16.6	69.2	<0.002	0.01	1.65	14.6	1	2.1	324	0.86	0.06	9.69	0.494	0.55	2.2
ZZ63116		16.9	68.7	<0.002	0.02	1.71	14.3	1	2.3	296	0.80	0.07	8.55	0.470	0.62	2.2
ZZ63117		17.6	68.9	<0.002	0.06	1.87	16.3	1	2.0	272	0.72	<0.05	10.15	0.460	0.61	3.3
ZZ63118		15.6	51.9	<0.002	0.03	1.64	15.8	1	2.1	471	0.66	<0.05	7.22	0.482	0.49	2.3
ZZ63119		21.4	62.7	<0.002	0.03	2.53	14.1	1	2.0	318	0.73	0.06	10.85	0.434	0.65	3.2
ZZ63120		20.9	66.4	<0.002	0.01	2.33	14.4	1	2.0	341	0.73	0.08	10.95	0.438	0.61	4.4
ZZ63121		20.0	67.4	<0.002	0.02	2.13	13.4	1	1.9	315	0.76	0.07	11.10	0.426	0.71	4.3
ZZ63122		26.0	70.4	0.002	0.02	1.97	13.9	1	2.0	339	0.75	0.07	10.80	0.443	0.58	3.2
ZZ63123		20.2	60.1	<0.002	0.02	1.46	12.1	1	1.6	372	0.76	<0.05	7.95	0.411	0.50	2.5
ZZ63124		20.7	59.2	0.002	0.02	2.00	14.3	1	1.8	331	0.76	0.07	9.63	0.439	0.62	2.8
ZZ63125		19.5	56.4	<0.002	0.02	2.18	13.2	1	1.7	391	0.67	0.07	8.70	0.389	0.61	2.6
ZZ63126		17.7	55.0	<0.002	0.04	2.01	14.0	1	1.6	365	0.69	0.06	9.06	0.409	0.59	4.0
ZZ63127		18.5	62.6	<0.002	0.02	2.39	13.8	1	1.8	284	0.68	0.07	8.69	0.403	0.59	3.3
ZZ63128		18.7	69.2	<0.002	0.01	2.42	14.4	1	2.0	333	0.84	0.06	7.61	0.471	0.61	2.3
ZZ63129		19.5	64.1	<0.002	0.03	2.08	15.8	2	1.8	322	0.75	0.06	9.43	0.456	0.61	3.7
ZZ63130		15.3	63.8	<0.002	0.01	1.31	12.7	1	1.5	314	0.71	0.06	8.05	0.401	0.48	2.7
ZZ63131		32.1	79.5	<0.002	0.02	3.45	15.9	2	2.1	304	0.88	0.07	9.72	0.485	0.82	2.4
ZZ63132		20.6	69.6	<0.002	0.03	2.14	16.2	1	1.9	332	0.81	0.06	10.10	0.471	0.61	3.0
ZZ63133		15.9	62.7	<0.002	0.02	1.62	15.1	1	1.7	350	0.80	<0.05	8.09	0.484	0.53	2.0
ZZ63134		18.7	66.1	<0.002	0.02	1.82	14.6	1	1.8	328	0.84	0.05	8.87	0.472	0.55	2.1
ZZ63135		19.4	65.2	<0.002	0.03	2.06	15.0	1	1.8	300	0.76	0.08	9.52	0.452	0.67	2.4
ZZ63136		18.9	74.4	<0.002	0.02	2.04	14.8	1	2.0	301	0.78	0.08	9.86	0.446	0.61	2.3
ZZ63137		20.6	78.8	<0.002	0.01	2.44	16.2	1	1.9	315	0.82	0.07	12.25	0.458	0.72	3.1
ZZ63138		19.9	75.0	<0.002	0.01	2.66	16.1	2	1.9	353	0.93	0.08	11.20	0.494	0.67	2.7
ZZ63051		18.3	66.0	<0.002	0.02	2.08	17.3	2	2.2	308	0.86	0.06	12.25	0.481	0.66	4.6
ZZ63052		16.6	63.4	<0.002	0.02	2.01	18.5	2	2.6	344	0.97	0.06	12.25	0.514	0.69	4.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
ZZ63101		111	1.3	15.3	77	55.7
ZZ63102		119	1.4	19.4	82	66.8
ZZ63103		161	1.8	18.4	90	61.0
ZZ63104		136	1.5	15.3	99	60.2
ZZ63105		121	1.3	15.5	81	51.7
ZZ63106		144	2.1	18.1	108	69.6
ZZ63107		107	1.5	15.4	83	41.4
ZZ63108		125	1.5	17.7	82	52.6
ZZ63109		111	1.4	15.5	72	48.0
ZZ63110		108	2.4	15.3	76	49.9
ZZ63111		115	1.3	17.4	88	54.3
ZZ63112		131	1.4	18.9	89	61.9
ZZ63113		114	1.2	15.9	71	50.5
ZZ63114		118	1.6	15.4	78	49.3
ZZ63115		121	1.7	18.0	75	49.6
ZZ63116		123	1.5	14.9	85	46.3
ZZ63117		131	1.7	17.4	90	53.5
ZZ63118		132	1.6	19.1	84	60.3
ZZ63119		107	1.8	20.2	74	60.5
ZZ63120		114	1.7	20.3	86	65.9
ZZ63121		107	1.7	17.7	84	65.8
ZZ63122		112	1.7	18.4	82	62.9
ZZ63123		92	3.1	16.2	71	60.0
ZZ63124		110	1.4	18.5	78	61.9
ZZ63125		108	1.4	18.2	82	70.1
ZZ63126		105	1.3	19.4	75	63.3
ZZ63127		128	1.7	14.9	77	53.1
ZZ63128		112	2.0	16.4	75	56.0
ZZ63129		123	1.6	17.2	81	57.6
ZZ63130		98	2.3	15.2	63	57.6
ZZ63131		116	4.7	17.5	92	55.2
ZZ63132		128	1.3	19.2	86	55.6
ZZ63133		114	1.2	16.7	72	58.8
ZZ63134		119	2.2	16.3	83	54.7
ZZ63135		111	1.2	16.5	75	58.8
ZZ63136		120	1.9	15.7	83	60.2
ZZ63137		111	1.8	21.6	79	56.5
ZZ63138		118	1.5	21.9	82	58.9
ZZ63051		133	1.6	23.5	83	66.3
ZZ63052		123	2.2	22.6	77	49.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ63053		0.50	0.006	0.10	7.79	13.4	980	1.48	0.84	2.34	0.17	50.5	12.3	58	5.13	27.5
ZZ63054		0.52	0.005	0.29	7.65	16.6	1020	1.48	1.26	2.27	0.43	74.7	14.0	70	6.81	38.8
ZZ63055		0.50	0.015	0.76	8.18	37.3	1040	1.46	2.25	1.74	0.39	61.8	12.9	71	18.00	48.4
ZZ63056		0.52	0.008	0.12	7.78	20.3	930	1.47	1.37	1.99	0.21	56.1	10.4	59	7.22	18.5
ZZ63057		0.48	<0.005	0.26	8.10	25.6	940	1.45	2.15	2.14	0.17	52.8	10.6	59	9.09	23.9
ZZ63058		0.48	<0.005	0.13	7.24	11.4	930	1.35	0.94	2.15	0.17	54.8	12.5	56	4.70	15.2
ZZ63059		0.50	<0.005	0.42	7.56	23.8	1000	1.46	1.59	1.84	0.33	52.7	12.1	63	7.75	31.8
ZZ63060		0.40	<0.005	0.18	7.59	15.1	940	1.57	1.32	2.18	0.22	62.7	15.0	62	4.31	25.2
ZZ63061		0.56	0.007	0.17	7.46	16.8	970	1.47	1.95	2.20	0.26	64.0	11.5	55	4.86	24.8
ZZ63062		0.50	<0.005	0.13	7.61	14.3	920	1.52	1.43	2.12	0.24	65.2	13.5	66	4.73	23.2
ZZ63063		0.50	0.006	0.17	7.17	10.7	870	1.32	1.40	1.97	0.16	51.4	9.9	61	4.14	18.6
ZZ63064		0.50	<0.005	0.15	7.39	12.2	900	1.41	1.57	2.21	0.19	62.0	13.6	63	4.66	21.8
ZZ63065		0.50	0.007	0.15	7.60	14.4	950	1.37	1.89	2.08	0.27	56.7	12.3	64	5.22	25.6
ZZ63066		0.40	0.007	0.45	8.01	14.3	900	1.49	3.40	2.04	0.29	58.2	11.7	61	6.02	29.5
ZZ63067		0.44	<0.005	0.24	7.18	12.8	900	1.46	2.54	1.90	0.27	60.3	19.4	53	4.59	23.2
ZZ63068		0.52	0.007	0.47	7.87	25.0	900	1.52	3.85	1.91	0.31	69.9	12.1	58	5.82	33.7
ZZ63069		0.48	<0.005	0.21	7.50	10.0	930	1.46	2.65	2.02	0.26	60.3	11.2	54	4.31	23.3
ZZ63070		0.42	<0.005	0.25	7.56	17.6	920	1.47	3.75	1.94	0.34	65.5	12.8	55	4.93	27.9
ZZ63071		0.52	<0.005	0.17	7.43	10.7	930	1.31	2.21	2.08	0.25	56.0	11.8	51	3.77	26.3
ZZ63072		0.44	<0.005	0.32	7.88	12.4	900	1.34	2.23	2.25	0.17	59.3	12.4	61	5.75	29.2
ZZ63073		0.60	0.006	0.16	7.34	11.9	880	1.23	2.36	2.11	0.22	55.1	13.8	57	4.57	20.2
ZZ63074		0.50	<0.005	0.41	7.26	10.6	890	1.37	2.20	1.87	0.20	54.4	10.2	63	4.64	26.3
ZZ63075		0.60	<0.005	0.14	7.23	9.5	930	1.34	2.05	2.26	0.23	71.9	12.2	56	3.67	21.2
ZZ63076		0.38	<0.005	0.26	7.40	17.7	930	1.34	2.21	2.04	0.22	56.0	12.7	60	4.01	21.1
ZZ63077		0.44	0.005	0.40	7.57	21.5	910	1.39	2.93	2.03	0.30	62.8	13.5	63	5.48	25.0
ZZ63078		0.34	<0.005	0.28	7.13	11.0	860	1.24	2.15	2.07	0.18	45.0	10.3	51	4.15	17.7
ZZ63079		0.38	<0.005	0.38	8.27	10.0	810	1.69	0.86	1.40	1.02	67.8	12.3	57	10.10	31.4
ZZ63080		0.42	<0.005	0.13	7.39	14.8	910	1.43	1.25	2.33	0.21	63.2	12.7	55	3.88	24.2

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
ZZ63053		3.53	17.75	0.20	1.7	0.051	1.65	25.0	19.1	1.22	804	0.86	2.12	12.8	18.8	660
ZZ63054		4.02	18.35	0.26	2.0	0.062	1.57	39.0	22.1	1.33	800	1.25	1.84	12.6	26.6	940
ZZ63055		4.39	20.5	0.26	2.1	0.081	1.48	36.2	30.5	1.36	558	2.13	1.25	12.3	26.0	1180
ZZ63056		2.96	18.65	0.21	1.7	0.062	1.63	28.4	23.8	1.20	536	0.73	1.85	13.8	19.0	650
ZZ63057		3.35	19.35	0.20	1.8	0.062	1.62	26.9	23.0	1.23	675	0.86	1.90	12.6	19.0	780
ZZ63058		3.07	17.05	0.23	1.8	0.057	1.53	27.6	19.1	1.14	1140	1.04	1.96	11.1	18.0	680
ZZ63059		3.92	18.05	0.23	2.0	0.061	1.47	28.1	19.6	1.15	786	1.77	1.59	10.8	23.0	1410
ZZ63060		4.17	18.15	0.24	1.9	0.057	1.53	30.3	19.8	1.21	804	1.25	1.94	10.8	20.7	970
ZZ63061		3.49	17.55	0.26	1.7	0.058	1.59	32.7	20.5	1.22	612	0.91	1.98	13.4	18.8	630
ZZ63062		3.71	18.10	0.27	2.2	0.060	1.54	30.3	21.8	1.21	677	0.88	1.92	12.1	23.1	660
ZZ63063		3.29	16.75	0.24	1.8	0.057	1.44	26.7	19.9	1.10	532	0.79	1.77	10.7	20.3	800
ZZ63064		3.92	17.90	0.24	1.8	0.060	1.51	31.0	21.3	1.36	734	0.94	1.86	13.8	21.7	750
ZZ63065		3.80	18.30	0.23	1.8	0.060	1.54	28.6	21.6	1.24	677	1.00	1.85	12.6	21.6	800
ZZ63066		3.69	18.70	0.26	1.9	0.067	1.47	34.2	24.2	1.22	659	0.93	1.75	11.7	19.7	630
ZZ63067		3.80	17.50	0.24	1.7	0.064	1.41	30.0	18.9	1.09	829	1.04	1.73	12.3	17.5	630
ZZ63068		4.31	18.45	0.28	2.1	0.072	1.44	37.5	22.1	1.09	559	1.86	1.69	11.9	19.2	670
ZZ63069		3.30	17.35	0.21	1.9	0.058	1.45	31.2	19.0	1.03	636	0.88	1.91	12.2	17.0	680
ZZ63070		3.88	17.85	0.25	1.9	0.060	1.37	33.6	19.0	1.01	774	1.66	1.76	11.0	17.3	1040
ZZ63071		3.34	16.45	0.18	1.9	0.060	1.45	27.6	16.1	1.00	718	1.48	1.89	9.8	18.5	730
ZZ63072		3.97	18.00	0.18	1.8	0.062	1.47	33.2	19.1	1.21	598	1.53	1.88	9.8	22.0	680
ZZ63073		3.65	16.25	0.17	1.6	0.057	1.47	26.8	17.2	1.24	784	1.36	1.86	10.1	19.4	640
ZZ63074		3.27	16.25	0.16	1.7	0.053	1.43	27.6	18.7	1.10	514	0.99	1.69	9.9	21.9	970
ZZ63075		3.42	16.20	0.22	1.8	0.055	1.52	36.4	15.6	1.13	903	0.82	1.99	10.7	19.2	650
ZZ63076		3.70	16.55	0.17	1.7	0.055	1.47	27.1	17.2	1.09	717	1.14	1.83	10.1	20.9	740
ZZ63077		4.07	17.10	0.18	1.8	0.059	1.44	28.6	19.4	1.16	821	1.66	1.75	10.2	22.1	770
ZZ63078		2.98	16.35	0.16	1.6	0.051	1.39	22.7	16.5	1.05	557	1.11	1.83	9.2	16.9	780
ZZ63079		4.22	18.70	0.17	1.7	0.112	1.70	39.6	24.7	1.02	605	0.98	1.33	11.0	17.7	850
ZZ63080		3.48	16.95	0.18	1.5	0.063	1.58	32.7	18.8	1.28	675	1.01	2.05	12.6	19.2	630

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 30-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
ZZ63053		15.6	69.3	<0.002	0.01	2.00	15.5	1	2.0	365	0.88	0.05	8.42	0.501	0.64	2.1
ZZ63054		20.4	78.8	<0.002	0.02	2.46	19.3	2	2.1	318	0.88	0.08	13.05	0.494	0.68	4.2
ZZ63055		23.2	101.5	<0.002	0.06	3.07	24.6	2	2.5	221	0.89	0.10	17.10	0.481	0.92	6.9
ZZ63056		21.6	73.9	<0.002	0.02	3.11	15.5	1	2.1	304	0.95	0.06	9.25	0.517	0.76	2.3
ZZ63057		20.3	70.4	<0.002	0.03	3.16	17.3	1	2.2	326	0.87	0.05	9.11	0.509	0.78	2.2
ZZ63058		16.1	63.1	<0.002	0.03	1.82	14.2	1	1.7	338	0.78	<0.05	8.11	0.449	0.52	2.0
ZZ63059		18.9	73.8	<0.002	0.08	2.68	16.5	2	2.0	271	0.75	0.12	11.25	0.441	0.73	2.5
ZZ63060		17.1	64.5	<0.002	0.03	1.54	15.3	1	1.7	349	0.76	0.05	9.37	0.475	0.57	2.5
ZZ63061		18.1	75.9	<0.002	0.01	2.21	15.7	1	2.0	333	0.94	0.07	10.10	0.493	0.63	2.4
ZZ63062		16.4	74.4	<0.002	0.01	1.79	16.0	1	1.9	324	0.84	0.07	9.56	0.484	0.58	2.5
ZZ63063		15.0	65.3	<0.002	0.03	1.44	14.2	1	1.8	300	0.77	0.07	8.86	0.436	0.55	2.1
ZZ63064		15.5	73.9	<0.002	0.02	1.56	17.0	1	2.3	310	0.90	<0.05	10.60	0.519	0.60	2.4
ZZ63065		15.8	74.4	<0.002	0.03	1.59	16.3	1	2.0	312	0.88	0.07	9.82	0.485	0.60	2.2
ZZ63066		20.4	78.1	<0.002	0.03	2.13	17.8	2	2.1	300	0.84	0.08	14.20	0.494	0.73	5.2
ZZ63067		20.2	60.6	<0.002	0.01	2.28	15.9	1	2.1	281	0.87	0.08	12.70	0.442	0.75	3.3
ZZ63068		22.9	73.9	<0.002	0.02	2.75	19.2	2	2.3	275	0.86	0.10	14.55	0.458	0.74	5.8
ZZ63069		20.4	60.3	<0.002	0.02	2.44	15.3	2	2.1	318	0.83	0.07	10.45	0.452	0.67	3.7
ZZ63070		21.8	64.8	<0.002	0.04	2.34	17.1	1	2.2	295	0.77	0.08	12.55	0.439	0.69	5.7
ZZ63071		22.7	61.0	<0.002	0.02	2.28	13.5	1	1.8	339	0.74	0.05	9.82	0.455	0.62	3.3
ZZ63072		19.8	71.7	<0.002	0.02	2.17	15.9	2	1.8	366	0.72	0.09	10.30	0.485	0.66	4.7
ZZ63073		22.5	68.8	<0.002	0.02	2.06	14.6	2	1.9	329	0.78	0.06	9.82	0.482	0.62	2.5
ZZ63074		21.4	67.0	<0.002	0.04	1.56	13.8	1	1.6	293	0.71	<0.05	10.85	0.439	0.60	2.6
ZZ63075		17.4	71.2	<0.002	0.01	1.95	14.5	1	1.8	343	0.80	<0.05	9.83	0.489	0.57	2.6
ZZ63076		19.7	68.5	<0.002	0.02	1.72	14.0	2	1.7	315	0.74	<0.05	9.13	0.450	0.58	2.5
ZZ63077		27.3	74.1	<0.002	0.03	2.36	15.6	1	1.8	303	0.75	<0.05	11.45	0.468	0.61	5.5
ZZ63078		23.3	60.2	<0.002	0.03	1.75	13.0	1	1.6	338	0.70	<0.05	7.92	0.429	0.58	2.2
ZZ63079		148.0	95.9	<0.002	0.02	6.00	16.9	2	2.0	213	0.92	0.09	15.00	0.430	0.79	4.2
ZZ63080		17.5	79.7	<0.002	0.01	1.83	15.2	1	2.0	344	0.92	0.05	10.30	0.510	0.69	2.4

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS VA16127174

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
ZZ63053		119	2.5	17.4	79	50.9
ZZ63054		133	2.2	28.1	98	61.3
ZZ63055		152	1.8	28.7	121	70.2
ZZ63056		116	2.3	18.3	87	52.0
ZZ63057		122	1.7	18.6	90	52.5
ZZ63058		102	16.5	16.7	79	52.8
ZZ63059		123	1.6	21.1	110	59.0
ZZ63060		126	1.0	18.5	76	60.3
ZZ63061		117	1.4	20.9	85	52.3
ZZ63062		119	1.4	19.2	77	71.5
ZZ63063		110	1.1	16.9	80	53.4
ZZ63064		129	1.4	20.3	88	55.7
ZZ63065		129	1.4	18.7	89	59.4
ZZ63066		131	1.8	22.4	92	71.4
ZZ63067		120	1.7	20.3	80	51.0
ZZ63068		132	1.9	29.6	87	61.6
ZZ63069		110	1.7	21.3	78	59.5
ZZ63070		126	1.8	23.3	80	60.9
ZZ63071		111	1.4	18.7	77	61.6
ZZ63072		128	1.5	24.8	80	62.2
ZZ63073		125	1.9	16.5	87	53.3
ZZ63074		115	1.1	16.2	81	56.3
ZZ63075		115	1.3	23.2	70	60.7
ZZ63076		117	1.1	18.1	74	56.6
ZZ63077		125	1.3	19.5	91	60.0
ZZ63078		109	1.3	15.1	72	54.3
ZZ63079		117	1.7	23.1	324	50.8
ZZ63080		116	1.6	20.3	77	48.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 30-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127174

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	LOG-22	ME-MS61	SCR-41
WEI-21			

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C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127969

Project: Klaza

P.O. No.: Batch 60

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

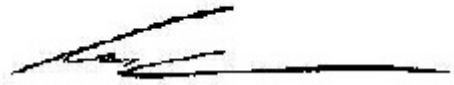
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127969

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA22 Au ppm 0.05	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02
K292765		2.88	25.3				3.88	1.370	66.7	4.44	>10000	770	1.29	24.1	0.96	571
K292766		3.98					2.16		25.0	4.04	1180	180	1.30	8.25	4.53	371
K292767		5.02	38.0	325		7.05	10.70	2.65	>100	1.04	>10000	100	0.49	75.7	3.49	>1000
K292768		2.32		131		3.24	5.02	1.565	>100	4.46	>10000	1150	0.75	63.0	1.36	810
K292769		3.66	10.35	196		3.14	2.28	3.97	>100	5.33	>10000	200	1.13	2.36	0.50	403
K292770		3.56	33.2	957		14.95	3.40	5.16	>100	2.84	>10000	320	0.67	68.3	1.29	591
K292771		6.40							0.60	0.07	50.8	30	<0.05	0.06	22.7	0.71
K292772		2.86				1.770	2.36		98.1	4.18	9070	320	0.96	37.8	4.26	236
K292773		2.16							49.7	4.32	9990	140	1.16	5.16	1.31	51.1
K292774		2.56							1.23	7.29	135.0	630	1.45	1.99	1.78	3.63
K292775		0.64							2.09	7.45	248	630	1.87	1.51	0.93	8.12
K292776		5.96							0.04	0.06	2.2	30	0.06	0.03	20.3	0.12
K292777		1.82							3.34	7.14	186.0	490	1.59	2.79	0.38	5.50
K292778		0.22	14.35	130	2.86	2.47	15.55		>100	4.42	163.5	600	0.39	1.81	2.12	837
K292779		2.06	18.90	197		1.675	6.37		>100	3.23	8510	130	0.64	178.0	1.85	918
K292780		2.54							10.65	2.21	693	70	0.37	38.6	0.39	4.85
K292781		3.06							0.93	6.66	114.5	250	1.07	3.74	0.33	0.97
K292782		3.38							2.63	2.71	411	50	0.61	22.7	1.15	0.95
K292783		3.70							1.53	6.36	208	340	1.32	12.35	1.07	0.57
K292784		1.46							4.11	3.59	519	80	0.86	8.22	4.21	21.4
K292785		2.44							3.56	5.82	802	200	1.11	3.28	0.33	6.37
K292786		0.36							38.4	5.58	2480	290	1.04	34.0	1.63	44.0
K292787		3.94					1.110		14.15	4.07	418	210	0.99	2.29	1.19	101.5
K292788		2.70						0.972	95.4	2.11	>10000	80	0.66	53.8	1.92	66.7
K292789		3.70							1.86	3.75	110.5	830	1.21	1.00	2.13	6.11
K292790		5.00							1.03	6.90	34.6	1610	1.47	0.23	1.83	0.68
K292791		<0.02							1.00	6.97	28.7	1630	1.43	0.17	1.80	0.59
K292792		4.44		305					>100	1.78	3900	130	0.56	554	0.25	69.3
K292793		2.38		287				1.040	>100	1.67	>10000	160	0.45	730	0.14	70.2
K292794		1.12		103			2.69		>100	2.19	1050	130	0.72	200	4.64	380
K292795		2.42							3.22	4.48	143.5	510	1.09	4.00	5.64	2.54
K292796		0.90							1.12	5.10	98.4	470	1.09	2.25	4.53	1.48
K292797		2.50	9.91	304			1.690		>100	2.38	3380	840	0.52	537	0.49	265
K292798		3.06							1.39	6.92	119.0	380	1.44	3.02	1.35	3.18
K292799		<0.02							1.46	6.69	115.5	420	1.42	3.21	1.28	3.08
K292800		3.16							1.70	3.76	212	130	0.91	4.41	2.07	7.03

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127969

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
K292765		22.3	5.8	13	7.98	994	7.54	13.25	0.16	0.9	8.73	2.09	9.8	16.1	0.45	2400
K292766		31.0	3.2	11	8.95	737	6.34	11.10	0.16	0.7	4.65	1.76	15.4	18.4	2.07	4180
K292767		4.84	4.1	9	4.96	3920	11.90	3.54	0.15	0.2	29.1	0.41	1.6	18.5	1.44	2240
K292768		35.1	8.4	12	8.10	1090	8.03	10.10	0.14	0.9	15.65	2.05	18.6	11.0	0.56	1630
K292769		35.6	6.3	14	10.45	892	7.86	15.95	0.14	1.0	5.25	2.47	17.3	10.1	0.33	858
K292770		13.35	3.0	6	7.57	6530	13.80	7.91	0.13	0.5	6.64	1.22	4.4	5.6	0.54	1560
K292771		1.21	0.7	1	0.14	6.2	0.53	0.23	0.10	<0.1	0.012	0.02	0.6	1.3	13.95	217
K292772		23.5	4.4	8	10.20	1540	8.36	10.40	0.11	0.8	2.36	1.96	10.8	11.5	0.55	2050
K292773		24.6	6.0	11	14.15	337	5.60	10.45	0.09	0.7	0.366	2.00	12.2	28.4	0.53	1300
K292774		58.1	7.4	10	14.90	422	2.95	14.65	0.12	0.8	0.083	2.58	32.5	32.2	0.76	747
K292775		81.6	8.8	11	17.50	1080	3.23	15.30	0.14	0.8	0.209	3.49	48.1	10.1	0.64	981
K292776		1.12	0.6	1	0.16	3.5	0.43	0.20	0.09	<0.1	<0.005	0.03	0.5	1.0	12.55	199
K292777		99.4	9.2	8	23.5	598	3.41	16.25	0.16	0.8	0.292	3.31	58.9	12.2	0.44	400
K292778		17.90	59.0	47	1.29	>10000	9.61	16.10	0.12	0.5	2.97	0.84	8.4	4.8	0.83	1720
K292779		11.90	4.5	41	4.21	4660	17.90	11.15	0.11	0.8	17.20	1.59	4.0	5.1	0.78	1650
K292780		3.10	15.6	12	1.76	165.0	23.0	5.98	0.10	0.3	0.387	1.08	1.4	5.1	0.24	316
K292781		9.28	7.1	13	7.51	19.5	4.79	19.75	0.09	1.0	0.090	3.30	5.0	11.3	0.38	220
K292782		22.9	56.5	13	7.58	241	13.75	7.21	0.12	0.4	0.082	1.10	13.0	25.3	0.56	828
K292783		36.0	23.3	9	11.55	194.0	8.56	15.45	0.13	0.8	0.158	2.73	17.9	13.6	0.69	584
K292784		27.8	8.4	7	8.22	44.7	11.00	8.33	0.11	0.5	0.165	1.71	15.5	13.9	1.74	5830
K292785		32.7	4.9	15	5.53	69.8	6.79	15.05	0.11	0.7	0.523	2.94	13.6	9.6	0.35	1200
K292786		33.8	16.0	22	9.61	1180	8.97	13.90	0.12	0.8	1.480	2.59	17.2	15.5	0.67	2280
K292787		28.8	3.3	11	11.30	259	4.03	11.25	0.09	0.6	0.819	1.90	14.6	25.9	0.46	1600
K292788		12.90	7.7	20	5.71	4910	8.33	6.18	0.07	0.3	2.77	0.96	6.0	27.0	0.53	1230
K292789		33.8	4.3	20	15.65	63.7	3.06	9.27	0.10	0.7	0.252	1.56	18.1	50.0	0.67	2910
K292790		43.3	6.6	11	17.40	220	2.58	16.95	0.12	1.3	0.076	3.00	21.2	101.0	0.62	858
K292791		37.6	6.4	11	17.55	224	2.58	16.70	0.12	1.3	0.080	2.97	18.3	104.0	0.62	834
K292792		11.95	27.3	27	5.65	6630	15.00	4.44	0.10	0.3	3.02	0.77	5.4	29.5	0.13	571
K292793		9.23	25.7	24	3.80	4860	16.75	4.22	0.11	0.2	3.73	0.78	3.9	17.1	0.08	203
K292794		18.35	5.9	11	5.81	4810	8.51	8.06	0.07	0.3	4.83	1.01	10.1	34.3	1.76	6560
K292795		38.0	4.0	7	14.25	263	3.63	10.85	0.09	0.7	0.233	1.92	21.1	19.2	2.45	3040
K292796		36.8	6.9	9	13.30	36.6	3.92	11.95	0.11	0.6	0.157	2.35	20.9	19.0	1.99	2240
K292797		11.40	8.8	11	3.37	2710	26.3	6.90	0.11	0.4	9.36	1.14	4.8	6.0	0.22	568
K292798		48.6	6.6	13	9.03	20.2	4.98	16.35	0.13	1.3	0.300	3.48	28.2	6.0	0.82	1520
K292799		48.2	6.6	11	8.70	18.4	4.91	15.65	0.11	1.2	0.283	3.36	27.9	5.8	0.78	1440
K292800		24.0	22.4	12	4.91	67.7	7.71	9.95	0.10	0.8	0.121	1.80	13.3	9.5	0.92	1930

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127969

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05
K292765		13.00	0.02	4.5	2.2	410	9040	125.0	0.002	8.18	209	7.4	2	11.8	34.8	0.36
K292766		2.54	0.02	3.9	1.5	260	1830	88.6	0.003	3.83	147.0	5.1	1	7.2	116.0	0.31
K292767		31.1	0.01	0.9	1.1	70	>10000	24.0	<0.002	>10.0	850	1.5	2	13.2	86.6	0.07
K292768		8.80	0.03	4.1	2.4	350	>10000	113.5	0.005	9.21	186.0	5.2	1	5.8	72.7	0.33
K292769		6.43	0.02	5.2	1.8	420	>10000	128.0	0.003	5.91	396	6.5	<1	21.9	41.9	0.44
K292770		3.05	0.01	2.6	1.3	200	>10000	64.0	0.003	>10.0	1395	3.0	3	34.2	57.1	0.24
K292771		0.06	0.01	0.2	1.6	180	92.2	0.9	0.003	0.01	1.51	0.2	1	0.2	50.5	<0.05
K292772		3.51	0.02	4.6	6.8	290	>10000	109.5	<0.002	8.65	172.0	5.7	1	4.4	103.0	0.40
K292773		34.5	0.02	4.6	3.9	340	6820	123.0	0.002	5.38	264	6.9	1	3.8	103.5	0.36
K292774		41.5	0.03	5.3	3.2	510	99.8	119.0	0.018	1.85	15.25	8.8	2	2.6	87.5	0.42
K292775		51.2	0.04	4.3	3.7	550	222	179.0	0.017	2.30	47.4	9.3	2	3.8	32.2	0.33
K292776		0.24	<0.01	0.1	1.7	160	6.5	1.3	<0.002	<0.01	0.25	0.1	<1	<0.2	43.3	<0.05
K292777		47.3	0.03	4.3	3.6	520	507	178.5	0.029	2.45	78.5	8.8	1	9.6	45.9	0.35
K292778		155.0	1.12	2.2	18.6	570	>10000	25.7	0.079	>10.0	185.5	10.5	9	17.8	218	0.14
K292779		22.8	0.02	1.6	7.1	460	>10000	91.0	<0.002	>10.0	357	10.2	1	86.3	32.7	0.11
K292780		13.90	0.02	0.9	2.6	140	264	51.2	<0.002	>10.0	22.2	3.3	5	6.5	8.7	0.08
K292781		5.38	0.04	2.6	2.3	470	63.6	155.5	<0.002	5.04	13.05	8.5	3	12.5	19.4	0.23
K292782		25.8	0.02	1.4	7.0	200	109.0	53.4	<0.002	>10.0	68.0	4.2	12	6.7	66.6	0.12
K292783		6.26	0.04	3.2	3.1	460	41.6	131.0	<0.002	9.04	26.4	9.3	4	12.2	66.9	0.28
K292784		8.16	0.02	2.8	2.9	250	180.0	93.7	<0.002	>10.0	22.4	4.6	2	5.1	53.0	0.23
K292785		1.21	0.03	5.0	2.4	430	324	188.0	<0.002	6.15	18.25	8.2	1	8.5	12.1	0.40
K292786		16.65	0.06	4.8	14.2	430	1630	137.5	0.002	7.66	105.0	7.8	1	10.5	59.1	0.39
K292787		8.13	0.02	4.0	1.7	260	1700	124.0	<0.002	4.02	75.5	5.3	<1	25.0	55.7	0.32
K292788		3.18	0.02	1.8	2.8	120	1160	60.1	<0.002	8.24	864	3.5	1	14.1	42.5	0.15
K292789		4.34	0.02	4.0	3.4	340	136.5	86.7	<0.002	0.79	106.0	6.6	1	4.1	199.0	0.29
K292790		1.61	0.10	8.8	2.5	590	45.2	108.0	<0.002	0.25	29.5	10.6	1	1.9	132.0	0.73
K292791		1.27	0.11	8.7	2.5	600	42.6	105.0	<0.002	0.24	29.1	10.2	1	2.0	130.0	0.73
K292792		16.45	0.01	1.5	4.1	110	2280	46.4	<0.002	>10.0	699	2.5	2	7.0	24.6	0.12
K292793		19.55	0.01	1.2	3.9	100	3290	45.2	<0.002	>10.0	1145	1.9	2	8.7	15.8	0.09
K292794		9.87	0.02	2.1	2.7	190	6670	69.9	<0.002	8.28	1230	4.4	1	30.8	57.3	0.16
K292795		4.48	0.03	4.7	1.7	310	74.4	105.5	<0.002	1.94	88.5	5.8	1	2.7	69.0	0.40
K292796		2.68	0.03	5.0	2.0	370	47.2	141.0	<0.002	2.46	24.4	6.4	1	4.0	58.0	0.42
K292797		1.92	0.01	2.2	1.6	150	6850	63.6	<0.002	>10.0	264	3.1	4	28.8	27.8	0.20
K292798		2.41	0.05	6.5	2.0	460	74.0	233	<0.002	3.54	5.97	8.5	<1	14.6	30.7	0.62
K292799		2.23	0.05	6.5	2.0	440	73.3	229	<0.002	3.55	5.37	8.3	1	13.7	29.2	0.63
K292800		7.12	0.03	2.8	3.2	290	113.5	117.0	<0.002	6.70	19.70	5.3	1	12.1	31.0	0.28

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127969

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292765		0.07	6.57	0.163	2.25	3.5	49	5.5	8.2	>10000	21.2	>10.0
K292766		<0.05	7.01	0.125	2.55	2.4	33	11.6	7.1	>10000	17.6	4.05
K292767		0.10	1.36	0.029	0.91	7.4	12	1.3	6.2	>10000	4.8	>10.0
K292768		0.26	7.46	0.136	1.95	2.2	40	2.4	6.9	>10000	22.5	5.28
K292769		0.12	8.65	0.170	2.53	5.0	48	9.8	6.4	>10000	27.6	>10.0
K292770		0.19	4.15	0.090	1.69	3.1	24	2.0	5.0	>10000	12.3	>10.0
K292771		<0.05	0.08	<0.005	<0.02	0.6	2	0.1	0.8	77	<0.5	0.024
K292772		0.45	6.34	0.136	2.09	3.6	37	3.5	8.9	>10000	19.1	5.96
K292773		0.79	6.23	0.152	2.34	6.7	46	3.4	7.4	3820	18.3	3.22
K292774		0.12	11.50	0.180	2.59	2.5	57	3.7	12.3	300	22.4	0.098
K292775		0.09	9.74	0.163	3.72	3.7	61	4.6	13.2	545	23.1	0.226
K292776		<0.05	0.08	<0.005	0.02	0.6	2	0.1	0.7	19	<0.5	<0.005
K292777		0.22	11.90	0.153	3.55	6.4	59	7.4	11.1	477	22.5	0.198
K292778		0.47	1.52	0.178	7.42	2.0	123	8.1	11.4	>10000	10.7	>10.0
K292779		0.42	2.17	0.135	1.78	2.1	71	2.7	3.6	>10000	29.0	>10.0
K292780		4.22	2.23	0.033	0.70	0.9	24	1.8	2.9	413	7.8	1.925
K292781		0.64	10.15	0.103	2.52	2.7	68	8.8	5.1	81	22.5	0.218
K292782		6.85	4.27	0.052	1.32	4.0	29	5.4	6.3	99	11.5	0.737
K292783		1.19	9.23	0.118	2.31	6.1	60	6.2	10.9	64	23.5	0.488
K292784		0.62	5.60	0.093	1.73	5.6	34	4.0	9.6	1660	15.1	1.205
K292785		0.18	8.00	0.162	2.80	1.8	63	6.3	7.2	527	18.7	1.990
K292786		0.74	7.98	0.160	2.07	5.1	55	7.3	8.9	3330	22.1	1.760
K292787		0.05	6.66	0.123	2.12	2.7	39	7.0	5.5	>10000	15.0	0.502
K292788		0.23	3.10	0.059	1.28	2.9	22	2.2	4.3	5620	7.0	8.82
K292789		<0.05	6.59	0.142	1.95	7.0	49	8.0	7.9	461	22.2	0.085
K292790		<0.05	12.90	0.250	1.80	4.0	68	5.3	15.9	109	36.4	0.008
K292791		<0.05	11.75	0.253	1.83	3.9	68	5.4	14.1	104	35.6	<0.005
K292792		5.31	2.01	0.049	1.04	8.8	20	2.1	4.9	5230	7.8	4.92
K292793		5.52	1.88	0.039	1.04	13.8	17	1.7	4.9	5000	5.8	9.11
K292794		1.85	3.72	0.065	1.03	4.1	28	2.6	8.3	>10000	8.1	1.775
K292795		0.88	8.66	0.143	2.28	5.8	45	4.1	10.8	249	18.8	0.186
K292796		0.34	9.18	0.150	2.76	8.6	45	3.1	10.5	140	17.0	0.158
K292797		4.74	3.11	0.064	1.35	1.7	20	3.2	3.9	>10000	9.8	>10.0
K292798		0.24	14.30	0.183	3.11	2.6	53	5.8	10.0	268	34.0	0.109
K292799		0.18	13.85	0.178	2.96	2.5	52	5.7	9.5	250	32.7	0.107
K292800		0.69	7.25	0.081	1.47	4.7	31	5.9	10.0	358	20.1	0.205

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127969

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
BAG-01	CRU-32	CRU-QC	Cu-OG62
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE VA16127971

Project: Klaza

P.O. No.: Batch 83

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

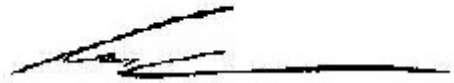
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127971

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614619		3.56	0.18	8.18	12.3	2470	1.04	0.62	0.76	0.15	54.1	7.6	12	10.00	34.6	3.00
R614620		4.10	0.44	7.54	49.7	1570	1.76	0.54	3.24	0.22	50.4	9.9	12	24.1	31.9	2.92
R614621		2.46	2.44	7.12	214	640	1.66	11.30	1.43	1.40	50.5	8.7	12	18.50	220	5.78
R614622		7.22	0.14	7.99	7.0	2750	1.39	0.58	2.10	0.18	48.4	8.7	15	12.20	42.9	3.20
R614623		<0.02	0.13	8.27	6.8	2770	1.34	0.57	2.15	0.18	50.9	9.0	17	12.25	40.1	3.27
R614624		5.44	0.17	8.45	7.1	3160	1.88	0.49	1.87	0.21	56.4	7.7	15	14.75	34.8	3.48
R614625		11.62	0.22	8.64	10.4	1850	1.09	0.67	1.16	0.21	58.0	8.3	14	12.70	59.5	3.25
R614626		4.54	0.25	8.41	18.0	1670	1.08	0.96	1.07	0.24	46.8	15.0	13	12.85	52.0	4.08
R614627		4.06	0.27	8.48	25.7	1660	1.29	1.17	1.05	0.22	50.0	17.6	13	12.10	47.6	4.12
R614628		2.46	0.31	8.51	28.1	1610	1.12	1.28	1.03	0.22	51.9	15.0	12	13.30	47.1	3.90
R614629		12.32	0.21	8.05	17.0	3020	1.42	0.89	2.08	0.28	52.4	8.2	16	10.85	38.9	3.43
R614630		8.74	0.24	8.27	19.7	2180	1.35	0.90	1.30	0.16	54.8	9.4	19	11.70	61.5	3.11
R614631		5.38	0.65	7.66	28.2	550	1.40	3.34	1.62	0.61	45.6	8.8	15	15.85	179.0	4.09
R614632		5.16	0.27	8.53	14.6	2680	1.22	0.56	1.39	0.23	56.5	7.8	13	11.75	75.5	3.45
R614633		0.34	4.30	6.86	723	830	1.37	3.50	2.12	10.90	49.6	12.7	25	13.30	320	5.21
R614634		3.52	0.48	7.69	43.0	1880	1.28	1.07	1.62	0.51	46.7	7.2	14	16.60	116.5	3.07
R614635		3.98	5.90	6.60	221	560	1.25	17.30	2.64	3.11	40.4	6.1	13	12.80	244	5.01
R614636		7.96	0.28	8.27	9.5	1150	1.64	0.68	2.36	0.18	55.2	8.8	20	11.65	80.2	3.73
R614637		7.48	0.46	7.62	14.5	1940	1.60	1.34	2.64	0.35	45.4	7.1	16	12.15	83.2	3.36
R614638		5.00	0.34	8.31	13.3	1390	1.25	1.16	1.82	0.23	46.4	11.0	13	11.00	76.8	3.34
R614639		0.36	41.3	5.96	2620	470	1.17	38.1	1.77	47.3	34.7	17.9	23	10.35	1220	9.71
R614640		6.26	0.49	7.35	27.9	510	1.20	1.68	1.92	0.61	47.1	11.3	13	12.05	103.0	3.63
R614641		7.14	0.34	7.53	28.7	560	1.36	1.06	2.81	0.89	45.9	10.3	11	19.65	52.8	3.64
R614642		3.32	0.40	7.08	49.9	700	1.66	1.39	5.11	0.21	49.1	8.6	12	23.4	108.0	3.17
R614643		5.34	0.37	7.13	50.0	1540	1.41	1.66	2.64	0.25	40.9	9.2	14	19.05	118.0	2.93
R614644		3.94	0.34	7.31	32.3	910	1.21	1.52	1.96	0.46	50.7	29.9	13	20.8	59.1	3.29
R614645		6.22	0.01	0.11	<0.2	60	0.06	0.05	21.6	0.06	1.66	0.8	1	0.21	3.1	0.52
R614646		7.68	0.33	7.81	41.8	1070	1.43	1.24	2.47	0.29	53.3	10.3	10	17.15	99.2	2.72
R614647		5.44	0.52	7.65	23.3	1890	1.53	1.67	2.40	0.21	46.8	10.2	11	14.10	154.5	3.20
R614648		8.04	0.37	7.60	8.4	1440	1.53	1.15	2.33	0.19	48.4	8.1	15	12.30	69.8	3.07
R614649		5.34	0.35	7.94	11.7	2800	1.51	1.02	2.53	0.24	51.1	8.3	15	12.90	59.2	3.22
R614650		5.50	0.65	8.59	18.5	1380	1.23	2.65	1.63	0.51	104.5	9.4	14	12.75	115.5	3.09
R614651		3.16	7.90	5.64	581	360	0.99	9.34	0.60	2.13	135.0	16.4	17	5.91	2940	6.35
R614652		6.02	<0.01	0.07	<0.2	20	0.06	0.03	21.1	0.07	1.28	0.7	1	0.14	2.6	0.45
R614653		8.72	1.22	6.81	49.8	740	1.43	2.94	2.46	2.24	53.3	12.4	11	15.90	107.0	3.69
R614654		8.12	1.61	7.31	74.9	770	1.60	4.08	1.65	2.25	65.1	11.5	13	16.45	173.0	3.48

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127971

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614619		19.00	0.08	1.2	0.101	2.60	28.9	36.5	0.33	383	0.98	0.09	8.5	3.0	660	18.6
R614620		17.40	0.07	1.2	0.077	2.40	26.0	36.4	1.08	433	2.10	0.05	8.2	3.0	640	17.5
R614621		16.60	0.10	1.0	0.110	3.11	26.9	16.2	0.66	521	25.0	0.09	6.3	3.1	500	140.5
R614622		18.60	0.08	1.4	0.038	2.93	24.6	23.3	0.74	200	2.97	1.71	7.9	3.1	680	16.0
R614623		18.35	0.08	1.3	0.036	2.89	26.7	23.0	0.76	198	2.37	1.73	7.8	2.8	690	16.0
R614624		19.10	0.09	1.4	0.041	3.11	29.6	22.1	0.64	214	3.17	1.91	8.4	3.1	670	17.6
R614625		19.75	0.09	1.6	0.041	3.04	30.1	24.2	0.30	379	1.98	0.10	8.2	2.3	740	16.0
R614626		19.15	0.09	1.2	0.061	3.02	23.1	23.6	0.48	357	8.98	0.09	7.9	3.4	720	17.1
R614627		18.70	0.09	1.2	0.067	2.95	25.7	25.0	0.44	313	28.7	0.27	8.1	4.3	680	14.2
R614628		18.60	0.07	1.2	0.074	2.93	26.9	24.4	0.45	313	17.55	0.27	8.0	3.4	660	14.7
R614629		17.80	0.10	1.2	0.059	3.09	27.5	14.5	0.96	269	1.65	2.63	8.4	2.8	660	18.6
R614630		18.60	0.07	1.3	0.083	3.06	28.7	26.1	0.43	315	2.20	0.57	8.4	2.6	660	17.7
R614631		17.60	0.10	1.4	0.075	3.08	22.6	19.0	0.55	490	2.01	0.29	7.2	2.7	610	33.3
R614632		18.90	0.08	1.2	0.064	3.25	29.7	22.3	0.55	351	2.04	0.73	8.4	2.4	680	16.8
R614633		15.85	0.09	1.1	0.279	3.05	27.4	24.6	0.81	1910	15.35	0.16	6.2	14.2	540	496
R614634		18.15	0.09	1.2	0.180	3.65	23.5	20.8	0.62	394	2.05	0.16	8.2	2.4	650	26.0
R614635		15.90	0.09	1.1	0.159	2.88	21.5	20.5	1.04	1580	6.16	0.11	5.5	2.3	490	222
R614636		18.65	0.09	1.2	0.043	2.89	28.4	17.7	0.76	240	3.30	1.96	7.7	2.7	680	15.3
R614637		17.95	0.07	1.2	0.081	2.80	22.7	14.2	0.77	264	3.31	2.05	7.5	2.5	630	28.2
R614638		19.70	0.08	1.3	0.081	3.10	22.4	30.5	0.54	288	4.96	0.39	8.0	2.7	680	17.4
R614639		14.85	0.06	0.9	1.615	2.75	16.8	16.2	0.73	2440	18.85	0.07	4.9	14.9	480	1750
R614640		17.80	0.09	1.2	0.083	3.35	22.3	22.5	0.77	298	3.52	0.09	5.9	3.0	580	25.8
R614641		18.25	0.06	1.2	0.061	2.97	22.3	22.2	0.73	367	2.25	0.16	6.0	2.8	630	29.8
R614642		16.40	0.08	1.2	0.054	2.74	25.7	17.1	1.07	675	1.58	0.25	6.5	2.4	600	32.1
R614643		18.15	0.06	1.1	0.093	2.71	19.2	22.4	1.00	262	1.82	0.87	7.1	2.9	620	15.4
R614644		16.90	0.09	1.0	0.082	2.76	25.3	14.4	0.89	260	3.38	0.24	5.5	4.6	560	22.3
R614645		0.31	<0.05	<0.1	0.005	0.04	0.8	1.6	13.05	206	0.09	0.01	0.2	1.9	190	1.5
R614646		18.70	0.09	1.2	0.091	2.25	26.5	80.9	0.82	290	1.70	0.07	7.7	3.1	620	18.2
R614647		17.50	0.09	1.2	0.100	2.83	22.2	35.7	0.83	265	1.36	0.85	8.0	2.5	610	20.1
R614648		17.85	0.10	1.2	0.063	2.85	23.5	21.1	0.79	240	3.95	2.20	7.9	2.9	610	17.5
R614649		18.05	0.08	1.2	0.085	2.90	25.9	19.2	0.87	297	3.72	2.55	8.1	2.8	650	18.1
R614650		19.45	0.09	1.3	0.130	2.79	70.5	30.7	0.73	282	3.15	0.18	8.3	2.6	690	25.4
R614651		16.10	0.06	0.7	0.548	2.75	103.5	9.6	0.49	158	5.97	0.08	2.6	2.5	370	103.5
R614652		0.22	0.12	<0.1	<0.005	0.02	0.6	1.1	12.95	192	0.10	0.02	0.1	2.1	180	2.0
R614653		16.05	0.16	1.1	0.147	2.80	28.7	23.9	0.92	495	4.41	0.05	5.8	3.2	550	107.0
R614654		18.60	0.15	1.1	0.132	3.49	37.8	17.7	0.78	374	3.69	0.05	4.9	3.2	570	159.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127971

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614619		117.0	<0.002	0.71	16.80	10.1	1	3.9	85.5	0.71	0.14	14.75	0.268	1.51	4.2	69
R614620		80.0	<0.002	1.10	11.45	9.8	1	3.7	137.0	0.68	0.91	12.45	0.261	1.64	3.7	71
R614621		147.5	<0.002	5.62	75.5	9.2	4	9.0	65.5	0.52	1.09	12.70	0.207	2.92	8.5	62
R614622		107.0	<0.002	1.23	4.44	10.2	1	3.4	333	0.68	0.11	13.35	0.266	1.57	4.2	76
R614623		112.5	<0.002	1.29	4.37	10.5	<1	2.9	337	0.65	0.10	14.35	0.266	1.51	4.4	77
R614624		128.5	<0.002	1.20	7.46	10.8	<1	3.1	330	0.72	0.06	15.50	0.270	1.62	5.0	76
R614625		128.0	<0.002	1.61	15.10	11.5	1	3.3	130.5	0.69	0.15	15.35	0.275	1.61	4.0	83
R614626		119.0	<0.002	1.99	21.0	10.9	1	3.6	195.5	0.65	0.25	13.15	0.270	1.69	4.7	79
R614627		120.5	<0.002	2.02	19.90	10.7	1	3.1	128.0	0.67	0.12	14.05	0.278	1.50	4.5	78
R614628		120.5	<0.002	1.78	18.95	10.4	1	3.3	99.4	0.65	0.08	14.70	0.275	1.52	4.4	77
R614629		119.0	<0.002	1.01	3.23	10.3	1	3.0	445	0.69	0.13	14.10	0.276	1.51	4.7	75
R614630		133.5	<0.002	1.15	12.35	10.6	1	3.3	168.5	0.69	0.10	14.45	0.270	1.80	4.9	76
R614631		131.0	<0.002	2.72	17.90	9.5	1	4.2	123.5	0.62	0.33	12.45	0.243	1.99	4.8	71
R614632		138.5	<0.002	0.99	17.25	10.7	1	3.0	246	0.68	0.09	14.60	0.282	1.94	3.7	79
R614633		169.0	0.003	2.82	28.9	8.7	<1	5.6	111.0	0.51	0.24	11.65	0.211	2.55	5.3	68
R614634		153.0	<0.002	1.40	35.7	10.3	1	3.8	144.5	0.65	0.10	12.35	0.267	2.73	3.9	75
R614635		191.5	<0.002	4.47	78.9	8.3	1	7.7	82.0	0.47	0.57	11.35	0.176	2.08	4.9	57
R614636		120.0	<0.002	1.88	8.89	10.8	1	3.3	353	0.62	0.12	13.85	0.268	1.64	4.8	78
R614637		107.0	<0.002	1.62	1.83	9.5	1	3.7	345	0.58	0.12	12.25	0.244	1.71	4.1	71
R614638		109.5	<0.002	2.11	9.82	10.4	1	3.9	123.0	0.69	0.19	12.35	0.268	1.75	4.0	77
R614639		150.0	0.003	8.42	113.5	7.9	2	11.1	66.0	0.41	0.75	8.91	0.173	2.28	5.7	60
R614640		113.0	0.002	2.88	33.5	9.1	1	3.6	102.5	0.52	0.44	11.45	0.200	2.20	5.1	75
R614641		126.0	<0.002	2.87	11.95	9.2	1	4.2	118.5	0.51	0.20	12.00	0.200	2.46	5.3	72
R614642		100.5	<0.002	2.00	11.80	9.1	1	3.2	156.5	0.57	0.51	11.95	0.227	2.00	4.4	69
R614643		96.9	<0.002	1.90	13.40	9.4	1	4.6	145.5	0.57	0.54	10.80	0.240	1.97	4.3	74
R614644		132.0	<0.002	2.84	8.46	8.6	1	3.9	73.2	0.48	0.44	12.85	0.192	2.18	4.4	64
R614645		2.1	<0.002	0.01	0.11	0.2	<1	<0.2	48.4	<0.05	<0.05	0.16	0.005	0.02	0.8	2
R614646		89.2	<0.002	1.73	31.5	9.8	1	4.7	100.0	0.63	0.37	12.85	0.252	1.62	4.4	71
R614647		110.5	<0.002	1.55	14.30	10.0	1	4.5	278	0.68	0.51	12.85	0.262	1.59	4.5	72
R614648		113.5	<0.002	1.46	3.32	10.2	1	3.7	466	0.66	0.27	12.15	0.255	1.56	4.2	71
R614649		115.0	<0.002	1.11	2.63	10.7	1	3.7	466	0.65	0.17	13.00	0.273	1.52	4.2	77
R614650		114.0	<0.002	1.46	15.30	11.4	2	4.6	105.0	0.72	0.27	15.15	0.285	1.68	5.0	81
R614651		174.5	<0.002	6.64	249	6.2	2	13.0	2060	0.24	1.29	10.65	0.105	1.86	2.9	57
R614652		1.1	<0.002	<0.01	0.15	0.2	1	<0.2	52.1	<0.05	<0.05	0.10	<0.005	<0.02	0.7	1
R614653		132.0	0.002	2.70	21.5	9.9	2	5.5	113.0	0.44	0.21	12.35	0.191	2.38	5.1	66
R614654		189.5	<0.002	2.97	20.1	10.1	2	7.7	75.0	0.39	0.42	12.95	0.169	2.84	4.1	70

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127971

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614619		4.7	13.7	45	32.4	0.027
R614620		6.7	14.3	49	33.3	0.149
R614621		5.5	13.4	115	28.1	0.265
R614622		1.8	15.7	36	36.7	0.011
R614623		1.8	16.4	36	36.0	0.014
R614624		2.5	18.5	37	39.6	0.017
R614625		5.2	19.3	35	42.2	0.020
R614626		4.1	15.1	43	34.3	0.037
R614627		5.5	15.8	42	33.5	0.077
R614628		5.4	16.0	43	32.9	0.074
R614629		2.3	17.9	46	33.9	0.045
R614630		4.6	16.9	41	38.3	0.027
R614631		17.6	14.2	73	37.4	0.096
R614632		3.9	15.5	52	33.0	0.038
R614633		5.6	11.4	886	31.3	0.410
R614634		3.1	13.5	78	33.6	0.090
R614635		4.8	11.6	244	31.9	0.557
R614636		3.1	16.4	46	33.2	0.024
R614637		2.6	13.6	61	33.8	0.047
R614638		2.6	14.2	51	37.4	0.042
R614639		7.6	9.0	3530	24.6	1.730
R614640		2.6	13.0	76	31.5	0.056
R614641		3.7	11.4	84	34.1	0.055
R614642		3.0	15.3	50	32.3	0.042
R614643		3.4	12.4	46	30.8	0.136
R614644		4.0	14.4	63	27.7	0.105
R614645		0.1	0.8	20	1.1	<0.005
R614646		3.1	13.5	48	33.2	0.048
R614647		1.9	12.0	50	33.0	0.061
R614648		1.8	14.0	44	34.6	0.024
R614649		1.8	15.4	51	34.3	0.018
R614650		2.6	15.4	61	32.8	0.073
R614651		5.5	6.7	224	19.9	0.902
R614652		0.1	0.8	17	0.5	<0.005
R614653		5.3	13.3	225	33.1	0.072
R614654		5.4	12.7	216	28.8	0.408

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127971

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127973

Project: Klaza

P.O. No.: Batch 84

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

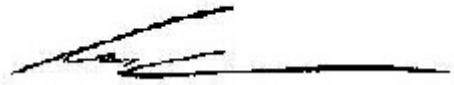
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127973

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614655		5.52	0.72	7.27	44.8	300	1.65	2.57	1.97	0.57	52.6	11.2	22	13.70	174.0	4.33
R614656		10.04	2.14	7.67	64.3	730	1.56	3.08	1.86	12.10	58.8	7.4	24	17.10	191.5	3.56
R614657		6.22	0.01	0.09	<0.2	50	0.08	0.02	21.6	0.09	1.10	0.8	1	0.54	3.0	0.48
R614658		6.10	0.67	7.44	18.8	700	1.54	1.84	2.84	2.11	49.4	10.8	39	15.35	249	3.73
R614659		8.86	0.25	7.20	14.0	950	1.34	0.90	2.54	0.45	57.2	7.7	18	14.45	12.8	2.44
R614660		2.58	0.46	7.15	44.5	640	1.09	2.14	1.76	1.60	37.2	49.9	14	10.10	33.5	5.44
R614661		6.56	0.59	7.69	24.8	1260	1.46	1.27	1.85	0.56	53.0	8.7	15	17.00	155.0	3.03
R614662		<0.02	0.59	7.62	25.1	1270	1.44	1.29	1.85	0.60	51.0	8.6	16	17.35	154.5	3.03
R614663		7.76	1.18	7.31	34.8	1110	1.48	4.70	2.37	0.83	56.7	12.2	23	15.20	190.5	3.49
R614664		7.02	0.44	6.90	33.7	1260	1.45	1.30	2.72	0.38	47.1	5.4	17	15.65	47.7	3.03
R614665		8.24	0.35	7.62	21.6	1070	1.54	1.66	2.64	0.44	62.0	9.0	16	13.15	25.3	2.87
R614666		6.40	0.35	6.76	26.8	1030	1.41	1.71	3.22	0.43	50.3	6.3	15	12.15	52.8	2.45
R614667		6.90	0.20	7.51	19.5	1260	1.77	1.06	2.32	0.45	44.6	8.0	20	12.40	30.5	2.24
R614668		3.00	0.19	7.45	13.8	1180	1.69	0.90	2.58	0.34	45.3	7.2	17	11.65	18.1	2.17
R614669		6.46	0.17	7.62	7.9	2540	1.60	0.64	2.28	0.21	46.1	3.2	19	13.65	48.1	2.28
R614670		6.40	0.22	7.43	12.1	1250	1.47	0.98	1.82	0.36	43.9	5.5	20	16.15	11.0	2.70
R614671		0.32	4.51	6.82	717	810	1.48	3.28	2.10	10.65	49.9	12.4	25	13.60	320	5.05
R614672		7.10	0.31	6.91	36.6	2040	1.56	1.12	2.47	0.43	45.8	5.2	18	13.55	116.0	2.68
R614673		5.34	0.34	6.70	61.8	740	1.31	0.80	3.76	0.31	52.1	4.0	17	16.45	80.9	2.73
R614674		2.98	0.67	6.70	50.3	690	1.30	1.75	2.10	0.43	44.2	6.5	15	16.30	161.0	4.09
R614675		4.72	0.21	7.31	18.9	1940	1.23	0.77	1.91	0.30	49.1	5.3	15	12.35	54.7	2.92
R614676		8.70	0.17	7.54	28.6	1480	1.63	0.67	2.60	0.22	55.5	3.9	13	22.5	38.5	3.08
R614677		5.16	0.22	7.13	21.5	2290	1.71	0.62	2.49	0.72	45.9	3.9	12	16.20	23.3	2.40
R614678		8.84	0.26	7.51	18.8	2340	1.65	0.95	2.53	0.35	51.6	4.8	11	17.60	70.9	2.97
R614679		8.14	0.57	7.19	40.3	430	1.58	1.53	1.86	2.05	42.4	9.9	13	11.75	133.0	3.22
R614680		0.34	39.9	5.62	2400	1440	1.16	37.7	1.63	46.3	35.3	16.9	24	10.10	1160	8.86
R614681		3.90	1.23	7.57	106.0	500	1.42	3.56	1.14	0.97	55.1	8.9	14	12.85	237	4.06
R614682		1.50	9.12	4.93	674	440	1.28	22.8	0.50	9.46	32.6	19.8	10	13.10	333	9.89
R614683		6.32	0.02	0.05	2.5	30	0.05	0.08	21.5	0.06	1.15	0.7	3	0.14	2.1	0.48
R614684		2.82	0.70	7.72	67.1	910	1.36	2.62	1.44	0.44	63.5	11.8	13	15.45	58.5	3.17
R614685		4.58	0.69	7.50	63.3	1440	1.25	2.47	2.09	0.74	51.5	28.1	14	16.55	111.5	4.12
R614686		11.10	0.57	6.80	49.0	1550	1.28	1.80	2.75	0.74	47.0	6.9	17	16.00	88.9	2.62
R614687		7.02	1.16	7.17	85.8	600	1.40	3.41	1.60	2.00	49.0	37.7	11	13.40	103.0	5.45
R614688		6.90	0.33	6.90	31.9	1260	1.53	1.10	2.79	0.33	48.6	6.0	13	17.10	67.5	2.72
R614689		2.88	0.36	7.31	16.3	2270	1.88	0.54	1.87	2.65	52.1	8.4	12	13.40	45.3	3.14
R614690		1.98	3.00	7.28	220	840	1.50	4.80	0.06	1.03	53.7	3.9	16	18.05	86.1	4.49

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127973

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614655		18.35	0.16	1.2	0.097	3.78	26.9	12.7	0.77	280	1.49	0.52	5.8	3.2	580	51.4
R614656		17.60	0.15	1.0	0.181	3.38	31.2	10.3	0.87	1000	2.21	0.05	5.9	3.0	580	731
R614657		0.31	0.17	<0.1	0.005	0.04	0.5	1.4	13.10	211	0.17	0.01	0.2	2.5	170	2.6
R614658		20.2	0.16	2.1	0.109	2.18	23.0	17.9	1.21	401	0.98	1.34	5.7	8.5	660	124.5
R614659		16.90	0.15	0.9	0.070	2.59	30.0	11.1	0.85	266	2.97	1.24	5.1	3.9	550	19.7
R614660		13.70	0.13	1.3	0.049	2.98	18.1	18.0	0.48	267	8.05	0.07	4.2	3.7	480	124.5
R614661		17.40	0.14	1.3	0.069	2.80	27.2	35.4	0.78	268	1.38	0.27	6.6	3.3	610	34.0
R614662		17.25	0.17	1.4	0.080	2.82	26.3	36.1	0.76	271	1.28	0.28	6.6	3.2	600	35.9
R614663		16.30	0.15	1.5	0.192	3.08	30.5	13.6	0.87	504	2.10	0.67	7.6	5.5	560	37.9
R614664		15.80	0.17	1.2	0.086	2.73	24.9	19.3	1.08	507	1.39	0.78	6.8	2.3	570	18.7
R614665		17.50	0.19	1.1	0.088	2.90	32.1	20.5	0.79	278	1.90	0.70	6.2	2.6	540	25.0
R614666		15.90	0.16	1.1	0.055	2.26	26.3	26.2	0.79	263	1.10	1.21	6.4	2.0	450	28.2
R614667		17.30	0.19	1.2	0.067	2.28	21.1	15.4	0.47	176	1.77	2.34	6.8	2.5	460	17.7
R614668		16.80	0.19	1.1	0.050	2.28	21.1	17.5	0.49	188	1.28	2.26	6.7	2.2	480	18.3
R614669		17.20	0.19	1.3	0.078	2.98	23.1	22.3	0.57	211	4.15	2.17	7.7	2.3	480	17.5
R614670		15.90	0.12	1.0	0.056	2.54	20.0	28.6	0.82	220	4.76	0.45	5.4	2.1	490	20.7
R614671		15.95	0.16	1.1	0.324	2.96	28.2	27.2	0.79	1910	13.25	0.16	6.3	15.1	510	497
R614672		17.60	0.18	1.1	0.100	2.71	22.7	21.4	0.68	232	1.33	1.51	6.5	2.7	550	26.2
R614673		16.30	0.16	1.1	0.077	2.33	28.4	40.3	1.06	695	2.41	0.04	6.3	2.3	540	20.0
R614674		17.20	0.16	1.1	0.148	2.69	22.4	44.7	0.89	578	2.43	0.05	5.8	2.5	520	33.1
R614675		17.10	0.18	1.2	0.077	2.84	24.6	37.6	0.76	314	1.01	0.19	7.2	2.4	580	15.1
R614676		17.00	0.19	1.2	0.100	2.93	30.5	33.2	1.11	404	0.89	0.41	8.0	2.5	580	15.5
R614677		16.60	0.17	1.3	0.096	3.21	21.9	23.4	0.73	476	0.97	1.22	8.1	2.3	560	49.9
R614678		17.90	0.18	1.4	0.118	3.03	25.9	27.3	0.76	381	1.98	1.45	8.0	2.5	570	23.0
R614679		17.05	0.17	1.1	0.148	3.38	19.7	15.2	0.72	240	2.23	1.47	5.9	2.7	560	44.0
R614680		14.90	0.13	0.9	1.635	2.51	17.6	15.5	0.66	2250	17.60	0.07	4.8	15.6	430	1650
R614681		19.45	0.15	1.1	0.312	3.76	28.3	7.4	0.65	478	1.66	0.07	4.9	3.4	590	42.2
R614682		15.30	0.12	0.7	0.440	2.18	15.7	12.5	0.36	719	2.65	0.03	2.2	5.0	280	455
R614683		0.19	0.18	<0.1	<0.005	0.02	0.6	1.1	13.15	208	<0.05	<0.01	0.1	1.8	170	2.0
R614684		19.55	0.15	1.0	0.095	3.32	35.6	9.0	0.79	529	1.67	0.05	4.8	2.5	620	40.1
R614685		17.35	0.15	1.0	0.122	3.23	24.8	7.2	1.01	508	3.65	0.06	5.9	5.0	510	39.1
R614686		17.65	0.11	1.2	0.150	2.50	23.0	21.9	0.71	425	1.05	1.15	7.6	2.6	560	32.2
R614687		17.35	0.11	1.0	0.215	3.19	24.6	5.6	0.69	971	2.41	0.04	5.3	4.4	540	98.4
R614688		17.75	0.15	1.2	0.127	2.48	23.0	24.1	0.84	406	1.28	0.93	7.9	2.3	580	22.0
R614689		17.60	0.16	1.4	0.100	3.15	27.5	8.6	0.65	596	1.34	1.76	8.0	2.7	560	56.3
R614690		17.85	0.11	1.3	0.231	3.39	30.7	8.8	0.29	208	2.48	0.05	6.3	1.6	290	235

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127973

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614655		185.5	<0.002	3.87	5.81	10.2	2	8.6	179.5	0.48	0.40	12.75	0.198	2.57	5.1	68
R614656		175.5	0.003	3.26	7.32	10.2	2	7.6	317	0.44	0.32	13.65	0.193	3.53	3.4	68
R614657		2.6	<0.002	0.01	0.08	0.2	1	<0.2	51.7	<0.05	<0.05	0.11	<0.005	<0.02	0.8	2
R614658		101.0	<0.002	3.04	3.71	11.8	2	7.8	261	0.41	0.67	11.30	0.250	2.15	6.0	89
R614659		126.0	<0.002	1.95	2.24	9.0	1	5.3	219	0.40	0.14	11.90	0.174	2.29	3.4	63
R614660		118.0	<0.002	5.74	10.10	8.2	6	7.5	77.3	0.37	0.30	12.40	0.136	1.94	3.5	57
R614661		122.5	<0.002	1.96	27.5	11.0	1	4.6	139.0	0.52	0.36	13.70	0.217	2.15	3.9	69
R614662		118.0	<0.002	1.97	27.1	10.9	1	4.4	140.5	0.53	0.32	13.00	0.216	2.14	3.8	70
R614663		129.5	<0.002	2.24	4.06	8.1	1	6.4	170.5	0.61	1.70	12.35	0.222	2.29	4.1	52
R614664		116.0	<0.002	2.13	6.40	9.6	1	5.9	162.5	0.54	0.20	13.00	0.213	2.24	4.2	63
R614665		138.5	<0.002	2.34	2.98	9.2	2	5.0	151.5	0.52	0.46	14.15	0.180	2.19	4.1	60
R614666		95.9	<0.002	1.79	5.39	7.9	1	3.9	188.0	0.56	0.36	13.65	0.176	1.73	4.4	51
R614667		98.1	<0.002	1.73	2.42	8.1	1	4.7	303	0.61	0.22	13.85	0.188	1.58	4.1	49
R614668		96.6	<0.002	1.63	1.82	8.1	1	4.3	300	0.59	0.17	12.85	0.191	1.63	3.8	49
R614669		119.0	0.002	0.67	3.87	8.5	1	3.0	345	0.67	0.09	14.35	0.206	1.70	4.9	52
R614670		117.5	0.003	1.99	9.16	8.1	1	3.0	132.5	0.46	0.15	14.35	0.155	1.99	5.1	48
R614671		159.5	0.004	2.73	29.6	9.5	1	5.7	109.5	0.49	0.31	11.55	0.206	2.61	5.3	64
R614672		110.0	<0.002	1.46	11.55	9.8	1	3.8	413	0.50	0.11	13.10	0.201	2.06	4.6	62
R614673		100.0	<0.002	1.32	26.4	9.9	1	3.4	119.0	0.50	0.37	13.90	0.203	2.33	6.0	61
R614674		133.5	<0.002	3.17	37.7	10.2	2	8.0	76.4	0.45	0.14	11.50	0.189	2.24	3.8	65
R614675		118.0	<0.002	1.08	22.2	10.5	1	3.7	117.5	0.58	0.14	13.20	0.228	2.21	4.9	64
R614676		127.5	<0.002	0.62	12.05	10.5	1	2.8	153.5	0.62	0.15	15.45	0.246	2.36	6.3	65
R614677		127.0	0.003	0.78	7.50	10.6	1	2.9	691	0.64	0.17	14.65	0.244	2.15	5.3	62
R614678		121.0	<0.002	0.90	10.30	10.9	1	3.2	294	0.70	0.21	15.40	0.243	1.91	5.3	66
R614679		145.5	<0.002	2.51	4.19	9.0	1	5.3	297	0.49	0.29	11.90	0.184	2.33	4.3	63
R614680		142.5	0.005	7.65	111.5	8.2	2	11.2	64.4	0.41	0.77	8.69	0.161	2.44	5.4	53
R614681		189.5	0.002	3.89	10.70	10.2	2	13.2	63.3	0.41	0.31	12.90	0.169	3.31	4.1	69
R614682		126.0	<0.002	>10.0	84.5	8.3	5	13.5	67.0	0.20	1.74	7.77	0.085	1.93	3.9	47
R614683		0.9	0.002	0.01	0.25	0.1	1	<0.2	49.0	<0.05	<0.05	0.07	<0.005	<0.02	0.5	1
R614684		171.0	0.002	2.75	12.40	9.7	1	8.5	60.1	0.42	0.71	14.15	0.171	3.44	3.2	61
R614685		159.5	0.004	3.78	20.1	9.6	3	5.7	83.1	0.50	0.40	12.70	0.193	3.48	4.1	60
R614686		103.5	<0.002	1.20	7.11	10.9	1	4.6	239	0.63	0.15	13.50	0.242	2.21	4.6	66
R614687		149.5	0.002	5.31	8.13	8.7	3	9.4	59.7	0.46	0.29	12.00	0.175	3.17	4.2	56
R614688		99.4	<0.002	1.19	5.14	11.0	1	4.5	220	0.64	0.20	14.30	0.240	2.18	4.9	66
R614689		135.0	<0.002	0.35	5.41	10.6	1	2.2	282	0.70	0.09	13.95	0.237	2.02	3.6	64
R614690		192.5	<0.002	2.13	15.65	10.1	1	9.2	47.8	0.57	0.30	10.90	0.194	3.39	3.4	61

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127973

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614655		6.9	13.5	72	32.6	0.117
R614656		5.6	11.2	909	27.4	0.073
R614657		0.1	0.8	18	<0.5	<0.005
R614658		3.5	14.2	216	79.9	0.051
R614659		2.5	10.2	61	24.6	0.030
R614660		8.3	10.0	171	33.3	0.088
R614661		4.1	13.0	74	36.1	0.059
R614662		3.8	12.6	77	36.0	0.064
R614663		5.0	11.7	84	46.6	0.300
R614664		4.4	12.1	62	33.7	0.083
R614665		4.1	12.3	53	29.8	0.039
R614666		2.9	12.2	57	28.0	0.033
R614667		2.0	12.4	51	31.0	0.027
R614668		2.1	12.2	45	29.5	0.016
R614669		1.6	12.2	54	37.5	0.022
R614670		2.1	12.1	49	28.3	0.015
R614671		5.7	11.5	866	30.9	0.355
R614672		2.4	12.1	64	32.3	0.079
R614673		3.4	13.8	64	31.1	0.094
R614674		6.1	11.9	62	29.6	0.171
R614675		2.4	13.3	53	31.8	0.059
R614676		2.4	14.7	45	33.2	0.040
R614677		1.8	13.4	80	33.8	0.041
R614678		1.8	14.1	60	36.1	0.072
R614679		2.9	11.6	169	27.4	0.085
R614680		7.6	9.3	3220	23.6	1.730
R614681		8.6	10.1	94	28.9	0.129
R614682		8.1	6.5	806	20.2	0.866
R614683		0.1	0.7	17	<0.5	<0.005
R614684		6.1	11.6	45	26.5	0.124
R614685		4.5	12.7	82	26.2	0.086
R614686		2.7	14.6	90	32.1	0.051
R614687		8.1	10.8	190	26.2	0.068
R614688		3.6	14.5	56	31.1	0.059
R614689		1.3	18.0	171	37.9	0.028
R614690		7.9	7.8	274	33.7	0.316

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127973

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127975

Project: Klaza

P.O. No.: Batch 86

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

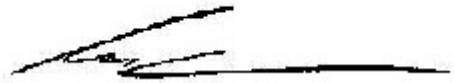
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127975

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614691		3.30			0.52	7.81	35.8	2230	1.83	1.28	1.30	4.14	47.5	7.6	12	16.05
R614692		5.94			15.15	7.40	518	430	1.62	17.25	1.93	15.55	46.7	7.2	14	13.05
R614693		4.02			1.03	6.93	90.2	1620	1.49	3.08	1.56	2.45	40.7	8.4	15	9.56
R614694		2.72			0.26	7.44	30.7	2450	1.72	0.89	2.01	0.82	46.5	6.7	15	17.40
R614695		2.86			0.48	7.25	144.5	1360	1.44	0.72	2.32	3.93	46.9	6.2	12	20.1
R614696		0.32			4.17	6.86	729	900	1.40	2.98	2.10	9.89	46.7	11.0	34	13.20
R614697		2.84			0.18	7.80	9.4	2350	1.85	0.43	2.51	0.45	50.8	6.0	15	16.05
R614698		3.98			0.25	7.76	18.1	2370	2.04	0.47	1.93	1.78	48.1	8.0	11	10.95
R614699		2.02			0.20	7.89	10.5	2350	1.69	0.42	2.14	2.00	52.7	5.9	14	10.40
R614700		6.04			0.37	7.76	14.6	2410	1.89	0.57	2.27	2.09	48.8	6.7	15	10.40
R614701		2.28			0.36	7.75	16.6	2250	1.70	0.44	1.73	6.08	51.3	7.8	11	17.20
R614702		1.34			3.10	7.38	238	1050	1.64	2.71	0.07	1.31	46.2	3.9	10	13.55
R614703		2.46			0.39	7.23	20.0	2070	1.75	0.85	2.58	4.21	49.8	8.1	10	18.45
R614704		4.02			1.51	7.34	182.0	530	1.55	3.02	0.53	20.9	51.2	12.3	13	11.45
R614705		6.04			0.01	0.09	0.2	40	<0.05	0.03	21.1	0.10	1.78	0.8	3	0.25
R614706		7.08			0.57	7.63	31.0	1620	1.37	1.11	2.08	4.31	56.0	7.3	18	16.80
R614707		2.24			1.82	8.57	161.5	960	1.48	2.19	2.93	7.30	57.1	7.8	20	22.0
R614708		0.32	119	1.555	>100	5.41	8060	1380	1.07	61.3	1.97	228	31.4	8.2	18	10.75
R614709		4.64			1.22	7.41	143.0	910	1.43	2.11	1.75	9.78	41.1	8.3	12	17.70
R614710		2.00			17.10	6.69	313	460	1.21	28.6	1.55	123.5	60.8	6.3	12	8.00
R614711		3.86	127		>100	6.66	1740	480	1.31	496	1.11	48.6	40.9	6.7	13	12.00
R614712		3.30			1.48	7.43	43.6	2010	1.73	2.30	2.32	6.52	51.8	4.8	14	16.30
R614713		2.24			0.60	7.48	27.8	1610	1.81	1.65	1.96	0.68	54.6	12.3	10	13.95
R614714		1.52			1.99	7.37	90.0	1080	1.83	2.55	2.32	14.70	53.8	9.5	12	20.6
R614715		4.50			0.81	8.21	51.9	1550	1.90	1.67	1.63	0.75	53.1	7.0	15	16.25
R614716		<0.02			0.87	7.83	48.5	1710	1.73	1.56	1.55	0.71	50.6	6.6	12	15.75
R614717		4.84			0.59	7.58	27.0	2190	1.98	0.78	2.23	3.54	58.5	8.0	11	10.55
R614718		2.44			2.32	6.07	143.5	920	1.48	2.85	2.10	16.80	48.5	9.4	12	10.05
R614719		6.30			0.03	0.07	0.8	110	0.05	0.07	21.6	0.12	1.31	0.8	2	0.16
R614720		2.88			1.25	8.40	90.7	820	1.65	2.12	1.95	13.65	49.9	11.4	11	12.20
R614721		5.42			0.61	7.99	19.7	2230	1.41	0.90	1.52	1.66	58.9	6.4	10	13.05
R614722		2.08			0.74	6.85	89.7	1470	1.59	0.90	2.76	4.84	51.3	6.6	9	25.3
R614723		6.22			0.84	7.36	40.2	2330	1.63	1.29	1.98	1.27	52.5	9.0	12	15.00
R614724		2.30			0.60	7.14	30.8	1710	1.64	0.82	2.56	1.12	45.1	7.2	10	16.30
R614725		7.18			0.99	7.50	35.6	2310	1.59	1.15	1.98	0.77	53.7	6.8	12	9.85
R614726		6.62			1.30	7.71	39.8	2380	1.59	1.20	2.15	3.02	50.1	7.4	11	11.95

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127975

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614691		83.8	3.57	15.45	0.11	1.1	0.165	3.27	26.4	10.5	0.55	513	1.30	1.52	7.2	2.7
R614692		409	5.81	16.55	0.11	1.0	0.356	3.10	24.9	7.9	0.59	800	1.31	0.95	6.9	2.6
R614693		44.9	6.32	13.50	0.12	1.0	0.118	2.76	21.5	10.4	0.75	322	1.92	1.60	5.6	2.2
R614694		10.0	3.43	15.55	0.12	1.2	0.062	2.96	24.4	14.9	0.66	612	1.28	1.44	7.5	2.4
R614695		16.1	4.32	14.90	0.12	1.1	0.077	2.98	24.8	17.0	0.66	1000	3.31	1.13	7.1	2.5
R614696		310	5.20	14.05	0.11	1.1	0.293	3.04	27.3	23.5	0.80	1960	14.25	0.15	5.6	14.0
R614697		15.4	3.30	15.55	0.12	1.3	0.084	2.89	27.7	9.1	0.78	408	1.08	2.39	7.7	2.3
R614698		49.7	3.41	15.35	0.11	1.2	0.093	2.99	26.0	13.3	0.80	405	1.28	2.25	7.5	2.9
R614699		25.0	3.16	15.65	0.13	1.3	0.106	2.99	29.4	11.0	0.79	432	1.38	2.36	7.5	2.4
R614700		23.9	3.45	15.80	0.12	1.2	0.122	2.98	26.7	12.0	0.83	516	1.49	2.22	7.6	2.4
R614701		35.6	3.40	15.50	0.12	1.2	0.050	3.01	28.4	12.7	0.63	764	1.81	1.64	7.4	2.5
R614702		40.4	5.87	14.80	0.12	1.0	0.283	3.56	26.2	8.0	0.30	138	2.12	0.04	5.5	1.8
R614703		27.4	3.59	14.80	0.13	1.2	0.148	3.26	26.6	15.9	0.72	1020	2.05	0.91	7.5	2.7
R614704		176.0	5.94	16.85	0.12	0.9	0.170	3.53	27.9	14.1	0.46	2460	3.56	0.07	5.4	3.7
R614705		2.1	0.49	0.27	0.08	<0.1	0.006	0.04	0.9	0.5	13.10	209	0.09	0.01	0.2	1.5
R614706		56.4	3.63	15.05	0.15	0.9	0.159	2.80	31.3	10.1	0.70	773	4.24	1.29	6.8	3.5
R614707		229	4.88	18.85	0.14	1.1	0.235	3.98	30.7	9.0	1.08	2130	3.74	0.43	8.6	3.3
R614708		1270	8.18	11.75	0.08	1.0	4.65	2.32	16.3	24.0	0.65	3090	15.10	0.08	5.1	13.2
R614709		68.6	4.53	15.95	0.11	0.9	0.249	3.50	22.5	11.1	0.76	1460	1.63	0.10	6.6	2.4
R614710		220	5.89	17.15	0.12	0.8	0.391	3.28	36.4	6.2	0.78	3190	1.50	0.03	5.6	2.0
R614711		3530	7.88	15.75	0.11	0.8	2.03	3.13	22.7	6.4	0.58	1600	1.04	0.03	5.8	3.1
R614712		34.1	3.43	16.95	0.14	1.1	0.316	3.47	28.9	12.9	0.69	951	0.72	0.99	8.2	2.3
R614713		56.4	3.75	17.40	0.15	1.2	0.125	3.28	29.7	12.9	0.84	380	1.35	0.92	7.0	2.7
R614714		68.5	3.79	16.45	0.13	1.2	0.272	3.45	28.6	12.4	0.91	1390	0.87	0.06	7.1	3.4
R614715		82.5	4.04	19.10	0.14	1.2	0.150	3.72	28.9	17.5	0.54	622	0.86	0.15	7.4	2.5
R614716		78.8	3.83	17.90	0.15	1.1	0.132	3.54	27.9	16.6	0.52	589	0.95	0.14	7.1	2.4
R614717		25.1	2.98	17.70	0.14	1.1	0.132	3.47	32.6	12.4	0.74	441	2.28	1.73	7.9	2.7
R614718		96.2	3.90	14.35	0.13	0.9	0.394	3.17	29.1	10.4	0.99	1020	11.40	0.05	4.1	2.6
R614719		2.6	0.49	0.24	0.12	<0.1	0.008	0.03	0.6	1.0	13.85	222	0.13	0.01	0.2	1.5
R614720		12.9	4.80	18.15	0.13	1.1	0.307	4.85	26.0	7.8	0.70	457	1.22	0.37	4.8	2.0
R614721		32.4	2.94	16.30	0.14	1.0	0.130	3.40	32.1	12.4	0.60	432	1.09	1.34	6.8	1.0
R614722		19.8	3.69	15.65	0.14	1.0	0.158	2.73	26.3	12.3	0.87	809	2.88	0.85	6.4	1.8
R614723		29.6	2.96	16.20	0.12	1.1	0.156	3.35	27.4	11.1	0.70	357	1.88	2.01	6.8	1.5
R614724		28.8	3.25	15.30	0.11	1.0	0.103	2.99	22.3	15.3	0.75	549	1.13	1.53	6.9	1.4
R614725		58.8	3.26	16.65	0.13	1.2	0.095	3.10	30.0	18.6	0.82	391	2.09	2.24	7.3	1.2
R614726		51.3	3.38	16.10	0.14	1.1	0.124	3.57	28.1	13.9	0.81	423	5.01	1.73	6.7	1.2

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127975

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614691		600	48.4	145.5	<0.002	0.41	4.26	10.3	1	2.7	235	0.59	0.24	13.05	0.258	1.98
R614692		560	404	156.0	<0.002	4.09	20.3	9.5	1	16.8	163.0	0.57	0.29	11.50	0.246	1.98
R614693		520	87.4	133.5	<0.002	5.31	1.49	8.4	2	5.1	220	0.47	0.78	10.15	0.205	1.56
R614694		580	26.4	130.0	<0.002	0.97	5.42	10.3	1	3.3	275	0.60	0.23	11.75	0.260	1.84
R614695		550	51.9	129.5	<0.002	1.72	8.95	9.1	1	2.4	228	0.59	0.22	11.55	0.241	1.87
R614696		520	497	162.5	0.003	2.80	27.0	8.2	1	5.4	108.5	0.46	0.24	10.25	0.212	2.37
R614697		600	29.0	118.5	<0.002	0.40	1.77	9.7	1	2.5	354	0.67	<0.05	14.15	0.264	1.37
R614698		580	34.8	124.0	<0.002	0.41	2.09	9.4	1	2.9	307	0.65	0.08	13.35	0.253	1.40
R614699		570	30.7	126.0	<0.002	0.35	1.90	9.3	1	2.5	331	0.65	0.12	13.55	0.251	1.33
R614700		590	49.1	122.0	<0.002	0.51	1.87	9.8	1	2.4	334	0.63	0.06	13.25	0.261	1.55
R614701		580	46.6	125.0	<0.002	0.41	3.98	10.2	1	2.3	267	0.62	0.05	13.85	0.255	1.54
R614702		360	515	226	<0.002	3.60	13.10	9.0	1	7.3	35.4	0.49	0.10	10.20	0.203	3.31
R614703		600	38.7	131.5	<0.002	0.36	5.35	9.3	1	2.8	202	0.67	0.08	11.45	0.252	1.99
R614704		580	153.0	200	<0.002	3.81	10.00	9.4	1	10.9	34.9	0.46	0.25	11.60	0.198	2.80
R614705		180	2.0	1.8	<0.002	0.01	0.09	0.2	<1	0.2	48.0	<0.05	<0.05	0.15	0.006	0.02
R614706		600	36.3	131.0	<0.002	0.90	9.01	8.7	1	4.4	189.0	0.56	0.22	12.15	0.249	2.15
R614707		740	142.0	192.5	<0.002	3.02	15.45	11.7	1	9.1	125.0	0.66	0.60	12.20	0.306	3.75
R614708		460	9850	131.5	<0.002	7.34	226	6.2	1	8.2	124.5	0.39	0.46	7.67	0.187	2.21
R614709		550	160.0	170.0	<0.002	2.77	7.93	9.2	1	7.8	67.4	0.53	0.23	11.05	0.242	3.20
R614710		490	3620	191.0	<0.002	5.76	14.60	8.7	2	17.3	26.3	0.45	0.36	10.95	0.202	3.20
R614711		470	2970	169.5	<0.002	7.55	33.3	8.1	6	19.1	34.1	0.46	2.21	9.83	0.209	2.95
R614712		570	108.0	168.5	<0.002	1.04	5.02	11.3	1	4.6	191.0	0.69	0.44	14.45	0.252	2.77
R614713		580	44.6	151.0	0.002	2.11	5.35	11.4	1	4.9	145.0	0.60	0.25	15.00	0.223	2.36
R614714		520	511	173.5	<0.002	2.41	9.14	10.8	1	5.2	58.7	0.66	0.36	14.65	0.209	3.42
R614715		610	35.5	179.0	<0.002	2.15	11.75	11.9	1	6.8	81.9	0.66	0.26	15.20	0.228	3.03
R614716		570	33.0	169.0	<0.002	2.03	10.85	11.1	1	6.3	77.2	0.63	0.26	14.45	0.221	2.88
R614717		580	80.1	162.5	<0.002	0.76	5.62	11.4	1	3.9	263	0.66	0.09	15.80	0.239	2.25
R614718		430	147.5	192.0	<0.002	2.67	16.30	8.8	1	7.5	57.3	0.37	0.26	12.25	0.134	2.65
R614719		170	2.0	1.4	<0.002	0.01	0.19	0.2	<1	0.2	51.6	<0.05	<0.05	0.19	<0.005	0.04
R614720		650	145.0	242	<0.002	3.95	5.28	9.9	1	12.0	95.6	0.41	0.35	13.60	0.181	3.32
R614721		600	61.7	150.5	<0.002	0.92	9.20	9.0	1	3.8	176.0	0.58	0.14	13.80	0.244	1.91
R614722		530	137.0	136.0	<0.002	1.34	8.05	8.7	1	3.8	132.5	0.54	0.09	12.10	0.219	2.12
R614723		560	53.0	150.0	0.002	1.32	6.20	8.8	1	3.7	288	0.59	0.37	12.95	0.231	1.95
R614724		600	40.7	128.0	<0.002	0.99	5.42	9.0	1	3.4	219	0.58	0.19	11.10	0.246	1.82
R614725		570	38.9	134.5	<0.002	0.81	3.96	9.1	1	3.0	298	0.65	0.16	13.70	0.243	1.52
R614726		580	84.5	162.5	<0.002	1.16	4.44	9.2	1	4.0	249	0.55	0.18	12.90	0.241	2.03

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CERTIFICATE OF ANALYSIS VA16127975

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614691		3.9	70	2.1	16.1	373	31.9	0.020
R614692		3.1	65	4.9	15.9	1080	33.0	2.37
R614693		3.8	59	3.3	15.7	207	29.2	0.171
R614694		3.8	70	3.9	16.5	105	35.9	0.022
R614695		3.6	65	3.2	16.3	354	34.2	0.091
R614696		4.7	67	5.5	12.3	900	31.4	0.393
R614697		4.7	70	2.7	17.1	80	40.6	0.013
R614698		4.1	67	2.2	17.6	233	36.5	0.022
R614699		3.5	66	2.1	17.3	176	36.7	0.023
R614700		3.6	69	1.9	17.7	250	36.4	0.018
R614701		3.7	67	1.7	18.1	551	36.2	0.017
R614702		4.8	61	6.1	8.8	568	32.1	0.179
R614703		3.2	67	2.9	18.8	459	36.4	0.016
R614704		4.4	68	6.0	15.7	1820	28.5	0.246
R614705		0.5	3	0.1	0.9	22	<0.5	<0.005
R614706		4.5	70	2.4	17.8	439	28.1	0.057
R614707		4.4	91	4.1	18.5	645	31.5	0.417
R614708		4.8	53	4.5	8.4	>10000	32.6	4.48
R614709		3.6	67	4.7	14.0	725	26.7	0.139
R614710		2.6	60	8.9	10.7	8100	21.7	0.295
R614711		3.2	58	6.1	12.0	3930	23.3	0.658
R614712		5.5	67	2.5	16.8	629	29.1	0.073
R614713		6.4	67	2.8	17.7	113	34.0	0.073
R614714		7.3	60	3.4	16.2	1280	31.4	0.098
R614715		5.5	70	3.4	17.4	117	31.8	0.092
R614716		5.3	66	3.3	16.4	107	29.5	0.091
R614717		5.5	64	1.9	17.0	261	31.8	0.082
R614718		4.6	54	6.0	11.2	1180	24.0	0.358
R614719		1.2	2	0.1	0.9	21	0.5	<0.005
R614720		5.9	73	7.7	16.8	1060	34.1	0.285
R614721		4.5	67	2.4	16.9	169	30.4	0.053
R614722		6.6	60	3.8	15.8	378	28.5	0.103
R614723		5.1	63	1.7	16.3	121	31.7	0.161
R614724		4.1	64	2.0	16.6	127	30.2	0.043
R614725		4.4	65	1.5	17.2	87	33.8	0.064
R614726		4.6	67	1.9	16.3	256	32.7	0.153

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127975

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE VA16127977

Project: Klaza

P.O. No.: Batch 88

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

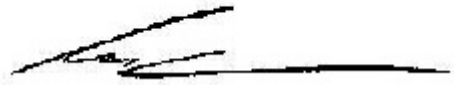
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127977

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614727		5.94			5.70	7.37	186.0	360	1.47	3.58	2.26	5.85	53.4	8.4	18	13.45
R614728		<0.02			6.23	7.20	183.5	320	1.58	3.94	2.20	5.69	51.3	8.4	16	13.15
R614729		3.52			0.62	7.27	25.1	2200	1.59	0.87	2.32	0.66	47.2	7.4	16	12.50
R614730		1.46			1.23	7.44	104.0	1450	1.73	1.81	2.04	1.87	48.4	8.8	15	19.00
R614731		2.06			0.76	7.38	90.3	1660	1.68	1.16	2.17	2.21	48.3	6.0	14	17.55
R614732		6.16			1.06	7.32	21.1	2320	1.60	2.24	2.37	0.53	45.6	7.3	15	16.00
R614733		5.24			1.34	7.17	108.5	900	1.50	2.24	1.90	1.61	53.5	8.9	16	13.50
R614734		2.36			0.18	7.70	12.6	2500	1.80	0.57	2.46	0.14	49.1	10.8	14	12.95
R614735		1.04			0.13	7.68	10.6	2400	1.68	0.42	2.43	0.16	49.7	10.1	12	12.65
R614736		6.40			0.48	7.08	71.8	1420	1.63	1.46	2.91	1.38	49.4	7.9	10	22.7
R614737		3.08			0.49	7.67	116.0	620	1.51	1.53	2.83	0.61	55.5	10.6	12	23.5
R614738		0.38			4.51	6.71	739	360	1.46	3.64	2.13	10.75	46.2	12.8	28	13.10
R614739		1.64			0.36	7.68	93.4	2410	1.51	0.69	2.57	0.65	56.9	7.4	12	20.8
R614740		1.48			0.60	7.44	51.2	1420	1.49	1.52	1.77	1.65	43.4	6.8	15	18.45
R614741		3.88			0.63	7.52	23.0	2820	1.22	1.74	1.63	2.25	40.9	8.1	13	11.70
R614742		3.76			0.30	7.11	30.7	2450	1.68	1.29	3.09	0.25	45.4	7.2	13	17.85
R614743		4.26			12.65	6.83	269	1140	1.56	20.3	0.11	6.97	49.8	8.1	12	21.6
R614744		6.46			1.62	8.05	90.9	1380	1.80	2.44	0.66	6.10	54.4	9.5	13	22.9
R614745		6.20			0.02	0.05	<0.2	110	0.06	0.10	19.90	0.08	1.05	0.7	1	0.16
R614746		6.60			0.91	7.34	125.5	1280	1.61	1.27	1.85	4.74	49.4	5.6	11	23.0
R614747		3.40			0.19	7.12	20.9	2990	1.37	0.66	1.62	0.70	34.2	5.8	12	21.7
R614748		2.02			0.62	7.09	58.0	1470	1.51	1.38	3.44	2.07	47.6	6.0	10	24.6
R614749		2.78			5.24	6.37	189.0	570	1.37	10.65	2.00	7.51	52.0	4.9	13	19.75
R614750		6.16			0.01	0.05	0.9	20	0.06	0.04	21.0	0.08	1.35	0.6	1	0.18
R614801		2.16			1.45	7.28	45.8	2780	1.53	3.55	2.20	2.90	48.1	6.8	10	17.85
R614802		3.00			2.47	6.82	163.5	760	1.48	4.26	1.85	8.61	37.6	7.1	12	17.40
R614803		7.94			0.53	7.76	35.5	2400	1.76	1.45	2.19	4.45	51.5	7.7	13	18.85
R614804		3.34			1.41	7.82	119.0	1780	1.81	3.06	0.82	13.00	56.5	8.1	14	17.25
R614805		6.58			1.41	7.22	59.0	410	1.53	2.97	2.15	4.82	44.1	12.6	15	9.07
R614806		0.36	119	1.580	>100	5.26	6960	180	1.23	60.5	1.98	227	31.9	10.1	19	12.05
R614807		4.82			0.33	7.42	33.6	2340	1.34	1.62	3.27	0.44	52.8	10.5	13	11.10
R614808		3.74			0.41	7.39	44.0	1750	1.58	0.80	1.93	3.50	41.4	8.1	14	23.1
R614809		2.78			1.37	5.65	100.5	600	1.24	4.08	0.15	3.70	44.5	8.6	18	16.00
R614810		5.48			0.37	7.76	111.5	1340	1.43	1.23	0.69	19.30	48.7	7.6	15	16.00
R614811		5.82			0.22	7.99	25.7	2500	1.30	1.24	0.93	0.62	67.4	7.5	13	21.3
R614812		5.36			0.48	7.28	1220	1840	1.34	1.73	1.58	0.77	44.8	7.0	13	16.50

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127977

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614727		300	5.14	16.40	0.22	1.1	0.305	3.65	29.4	14.2	0.83	777	3.56	0.73	7.0	2.9
R614728		296	5.06	16.15	0.22	1.1	0.303	3.57	27.6	13.9	0.81	755	3.60	0.70	6.9	2.5
R614729		31.3	3.19	16.40	0.28	1.0	0.083	2.96	24.5	10.4	0.79	408	3.34	1.94	7.6	2.6
R614730		62.1	3.52	17.10	0.26	0.9	0.128	3.68	25.2	17.6	0.79	1570	5.94	0.11	7.7	2.8
R614731		49.1	3.22	16.30	0.32	1.0	0.100	3.44	25.6	17.9	0.60	1080	3.70	0.46	7.5	2.4
R614732		34.8	3.07	16.45	0.29	1.0	0.100	2.97	24.0	16.0	0.73	368	1.93	2.07	7.7	2.6
R614733		181.0	3.66	16.45	0.26	0.9	0.193	3.43	29.5	14.3	0.61	553	2.95	0.28	6.0	2.4
R614734		35.7	3.27	16.85	0.30	1.3	0.069	2.92	25.4	15.4	0.72	356	1.59	1.87	8.3	2.5
R614735		26.0	3.23	16.40	0.35	1.2	0.060	2.85	26.3	14.8	0.71	348	1.42	1.95	7.9	2.5
R614736		40.6	2.96	15.85	0.28	1.0	0.141	2.55	26.5	50.0	0.75	596	2.63	0.05	7.9	2.4
R614737		55.6	3.28	16.55	0.29	1.0	0.174	3.07	30.6	8.7	1.02	626	1.31	0.06	8.0	2.6
R614738		311	5.08	15.75	0.23	1.1	0.303	3.06	25.3	28.4	0.78	1880	16.25	0.15	6.3	15.1
R614739		22.3	2.66	16.85	0.29	1.2	0.111	3.05	30.9	9.1	0.96	1090	2.24	0.08	8.0	2.4
R614740		46.4	2.59	17.05	0.28	1.2	0.162	2.78	22.2	33.8	0.57	656	2.82	0.07	8.4	2.9
R614741		53.1	3.02	17.30	0.25	1.1	0.199	3.12	20.7	32.6	0.50	527	2.45	0.10	8.2	2.4
R614742		48.0	3.03	15.95	0.33	1.0	0.120	2.88	23.6	27.1	0.91	491	1.62	1.40	7.3	2.6
R614743		499	5.28	17.25	0.23	0.9	0.545	2.33	27.5	35.3	0.20	1300	4.52	0.03	6.8	3.4
R614744		244	3.70	17.95	0.24	1.2	0.235	2.72	30.1	58.0	0.20	1660	2.15	0.18	8.8	3.2
R614745		4.0	0.44	0.31	0.37	<0.1	<0.005	0.02	0.5	1.2	12.40	192	0.07	<0.01	0.1	1.4
R614746		190.5	3.91	16.40	0.25	1.0	0.121	2.87	26.3	18.1	0.71	1400	1.53	0.04	7.6	2.4
R614747		12.8	2.77	16.50	0.17	1.0	0.121	2.84	16.3	32.0	0.58	837	2.01	0.09	8.1	2.3
R614748		18.3	3.16	15.45	0.25	0.9	0.306	2.91	26.6	13.0	1.22	1720	1.84	0.04	7.3	3.4
R614749		129.0	4.44	14.55	0.13	0.9	0.348	2.85	30.0	14.1	0.89	2150	6.91	0.03	6.6	2.5
R614750		2.3	0.46	0.18	0.13	<0.1	0.007	0.02	0.6	1.0	13.05	195	0.10	<0.01	0.2	1.5
R614801		66.5	3.04	17.10	0.13	1.0	0.375	3.39	25.6	12.0	0.82	867	0.75	0.80	8.3	2.2
R614802		356	4.85	14.60	0.14	0.8	0.452	2.96	19.2	16.1	0.86	2050	0.99	0.04	6.9	2.8
R614803		64.2	3.80	17.10	0.14	1.2	0.325	3.36	27.1	10.1	0.73	1420	1.80	1.30	9.0	2.8
R614804		158.0	4.22	17.25	0.15	1.1	0.387	3.65	30.5	11.9	0.45	1300	1.89	0.43	8.6	2.9
R614805		58.3	3.94	15.60	0.17	0.8	0.354	2.80	23.6	7.5	0.82	419	2.87	1.31	7.2	2.3
R614806		1240	8.06	13.40	0.14	1.1	4.89	2.34	15.8	34.0	0.63	2950	16.50	0.08	6.2	14.8
R614807		26.5	3.22	16.80	0.15	1.0	0.228	2.91	28.6	17.5	0.84	452	1.49	0.94	8.6	3.0
R614808		31.0	3.29	17.65	0.13	1.1	0.161	2.97	20.2	28.7	0.57	976	2.47	0.48	9.0	3.0
R614809		283	3.31	13.20	0.14	0.7	0.304	2.23	25.2	52.5	0.20	350	13.30	0.04	6.1	3.2
R614810		584	3.21	16.65	0.17	1.2	0.358	2.39	25.7	47.8	0.33	1050	4.93	0.06	9.1	3.9
R614811		17.2	3.09	18.60	0.15	1.0	0.268	2.43	35.5	32.8	0.45	707	1.45	0.07	9.6	10.4
R614812		37.3	3.54	17.60	0.17	1.1	0.208	2.43	22.8	33.7	0.59	774	1.94	0.06	9.3	3.1

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VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127977

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614727		540	177.5	192.0	<0.002	3.34	8.60	10.1	1	5.9	157.5	0.57	0.56	12.85	0.215	2.68
R614728		530	172.5	187.5	<0.002	3.35	8.87	9.8	1	5.8	152.0	0.59	0.58	12.75	0.212	2.57
R614729		600	40.7	135.0	<0.002	0.88	3.39	11.0	1	3.1	323	0.59	0.21	11.20	0.245	1.97
R614730		630	96.6	169.0	<0.002	1.54	22.0	11.1	1	3.7	86.9	0.56	0.32	10.75	0.262	3.39
R614731		580	97.4	166.0	<0.002	1.47	12.50	10.3	1	4.1	117.5	0.62	0.25	13.05	0.240	2.84
R614732		590	46.1	119.5	<0.002	0.72	2.33	10.4	1	3.0	325	0.60	0.24	11.55	0.249	1.77
R614733		560	59.4	190.5	<0.002	2.25	25.0	10.4	1	7.9	86.0	0.48	0.30	12.65	0.199	2.56
R614734		600	17.4	110.0	<0.002	0.64	3.41	11.0	1	2.4	330	0.70	0.20	12.85	0.255	1.59
R614735		570	17.1	111.0	<0.002	0.56	2.56	10.4	1	2.2	343	0.68	0.13	12.70	0.236	1.44
R614736		560	39.3	99.6	<0.002	1.39	14.15	10.1	1	3.0	105.0	0.67	0.31	12.50	0.239	2.21
R614737		610	30.8	135.5	<0.002	2.04	15.05	11.2	1	3.3	89.0	0.62	0.45	13.30	0.253	2.83
R614738		540	499	151.0	0.002	2.77	28.0	9.5	1	5.6	109.5	0.50	0.30	11.05	0.204	2.69
R614739		570	52.6	136.0	<0.002	1.08	9.36	10.5	1	2.3	76.4	0.69	0.17	15.30	0.240	2.89
R614740		600	44.6	103.0	<0.002	1.01	17.10	10.8	1	3.0	86.1	0.72	0.24	11.85	0.260	2.18
R614741		610	50.4	112.5	<0.002	0.90	11.90	10.2	1	3.4	99.1	0.67	0.45	11.15	0.257	1.93
R614742		550	19.7	117.5	<0.002	0.71	4.38	10.1	1	2.9	275	0.57	0.44	10.65	0.233	1.85
R614743		590	400	131.0	<0.002	0.14	136.0	10.6	1	10.4	60.8	0.51	0.49	11.25	0.224	2.37
R614744		650	144.0	144.0	<0.002	0.17	43.6	12.1	1	11.7	99.9	0.69	0.33	13.40	0.273	2.63
R614745		170	1.7	1.0	<0.002	0.01	0.22	0.2	1	<0.2	47.1	<0.05	<0.05	0.08	<0.005	<0.02
R614746		560	70.1	140.0	<0.002	0.76	13.90	10.2	1	7.9	59.3	0.57	0.07	11.50	0.249	3.10
R614747		600	22.3	101.0	<0.002	0.37	12.95	10.2	1	3.7	89.3	0.63	0.09	9.81	0.258	2.19
R614748		560	64.4	155.5	<0.002	1.23	10.05	10.4	1	4.3	70.4	0.56	0.16	11.85	0.237	3.01
R614749		450	250	171.0	<0.002	2.81	31.1	8.8	1	7.9	44.3	0.45	0.33	11.10	0.201	3.08
R614750		180	1.5	1.3	<0.002	<0.01	0.08	0.2	<1	0.2	48.7	<0.05	<0.05	0.09	<0.005	0.03
R614801		540	160.5	161.5	<0.002	0.92	11.40	10.4	1	7.7	177.5	0.57	0.17	10.75	0.249	2.93
R614802		520	217	190.0	<0.002	2.90	13.40	10.0	1	9.0	71.9	0.47	0.21	11.25	0.213	3.38
R614803		640	116.0	152.5	<0.002	0.71	4.64	11.5	<1	5.0	250	0.63	0.12	13.60	0.269	2.62
R614804		520	99.0	199.5	<0.002	1.70	9.59	11.4	1	7.9	110.5	0.61	0.23	13.95	0.258	3.25
R614805		580	156.5	157.0	<0.002	2.99	6.36	10.2	1	10.0	97.5	0.49	0.89	10.95	0.225	2.27
R614806		460	9660	128.0	0.002	7.10	224	7.6	1	8.5	121.5	0.44	0.52	8.38	0.181	2.26
R614807		590	31.7	126.5	<0.002	0.78	8.19	11.2	1	4.9	203	0.62	0.35	13.85	0.251	1.72
R614808		600	61.4	119.0	<0.002	0.52	13.80	10.5	<1	3.7	150.5	0.64	0.10	11.55	0.259	2.16
R614809		360	121.0	133.0	<0.002	2.22	76.0	7.2	1	8.0	52.5	0.44	0.76	11.30	0.176	2.03
R614810		600	53.4	122.0	<0.002	0.59	37.3	10.6	1	7.5	98.8	0.73	0.09	16.25	0.247	1.78
R614811		640	19.7	109.0	<0.002	0.47	13.80	13.2	1	7.2	66.5	0.67	0.20	13.55	0.281	1.57
R614812		590	22.5	103.0	<0.002	1.20	21.9	11.5	1	8.0	82.3	0.69	0.15	12.25	0.254	1.64

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127977

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614727		5.3	62	3.4	14.7	471	29.9	0.889
R614728		5.4	61	3.2	14.4	458	31.2	0.821
R614729		3.8	70	1.6	15.3	90	28.6	0.045
R614730		5.7	73	3.5	14.0	668	25.5	0.175
R614731		4.6	66	2.7	13.5	224	27.9	0.173
R614732		4.0	69	1.4	15.2	74	27.2	0.039
R614733		4.9	64	2.9	14.3	169	24.5	0.122
R614734		4.2	71	1.1	16.7	42	33.8	0.033
R614735		4.0	66	1.1	16.5	38	30.9	0.019
R614736		4.1	65	2.5	15.2	152	26.2	0.036
R614737		4.6	69	3.8	15.8	71	28.3	0.089
R614738		5.3	68	5.6	11.8	901	29.4	0.357
R614739		9.7	66	6.1	15.2	76	31.6	0.050
R614740		4.9	69	4.0	13.4	152	30.9	0.034
R614741		2.9	70	4.4	13.8	235	30.5	0.030
R614742		4.0	65	3.0	14.6	53	26.6	0.066
R614743		5.9	63	6.4	15.9	525	23.4	0.287
R614744		3.7	73	5.4	18.6	517	33.0	0.093
R614745		0.5	2	0.1	0.7	19	<0.5	<0.005
R614746		4.1	70	6.4	12.8	317	26.0	0.109
R614747		3.2	70	4.3	13.2	104	25.9	0.010
R614748		4.7	65	3.3	15.0	176	23.5	0.051
R614749		3.0	59	4.4	13.4	501	22.7	0.529
R614750		0.8	1	0.1	0.9	17	0.5	<0.005
R614801		3.1	69	4.3	14.2	282	25.6	0.171
R614802		3.9	62	4.2	14.5	525	22.5	0.684
R614803		3.2	71	4.1	17.1	447	30.3	0.037
R614804		5.0	70	4.2	14.4	1160	28.4	0.139
R614805		3.1	67	3.2	16.4	403	23.8	0.188
R614806		5.5	53	4.6	9.4	>10000	34.5	4.49
R614807		2.8	68	2.5	19.6	91	27.8	0.123
R614808		3.8	71	3.8	14.6	339	29.8	0.041
R614809		10.0	52	3.1	11.1	368	20.8	0.193
R614810		5.3	63	4.0	16.5	834	29.9	0.335
R614811		5.4	71	3.2	16.0	113	27.5	0.039
R614812		5.9	69	3.6	14.4	151	29.1	0.196

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127977

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127978

Project: Klaza

P.O. No.: Batch 89

This report is for 35 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-35a	Pulv 1 kg split to 95%<106 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

ANALYTICAL PROCEDURES

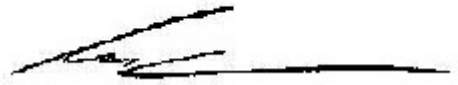
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127978

Sample Description	Method	WEI-21	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R614798		2.44		14.25	6.60	1280	350	1.40	12.40	1.46	112.0	46.6	5.9	17	15.75	246
R614799		3.84		0.10	7.33	12.4	2370	1.56	0.12	2.80	0.44	47.9	7.1	17	13.95	5.5
R614800		3.56		0.22	6.76	22.4	1760	1.40	0.31	2.47	0.62	68.8	7.6	23	14.65	6.4
R615801		0.34		4.37	6.85	717	630	1.34	3.56	2.16	10.75	51.8	13.1	26	14.25	308
R615802		2.16	2.46	28.3	6.69	463	480	1.54	9.07	1.92	373	48.9	5.5	14	21.2	1575
R615803		3.76		0.13	7.47	36.6	1060	1.99	0.20	2.06	1.04	67.3	7.9	24	22.3	12.9
R615804		2.50	1.025	21.1	6.37	404	360	1.56	16.85	0.85	141.5	48.5	8.7	19	15.50	544
R615805		3.64		1.31	7.08	151.5	1460	1.47	1.39	1.87	6.93	55.5	10.3	15	22.5	13.8
R615806		6.92		0.66	7.85	66.2	1460	1.75	0.32	1.85	7.41	49.3	7.0	19	24.3	15.7
R615807		3.60		0.80	7.69	85.1	1460	1.78	0.41	1.91	6.14	51.0	7.3	21	23.8	13.7
R615808		2.06		2.41	7.58	194.0	1130	1.75	1.89	1.73	10.80	46.8	6.1	18	22.6	34.0
R615809		3.30		25.3	5.21	6730	270	1.28	11.35	1.45	124.5	31.5	7.6	18	8.34	188.5
R615810		8.42		0.82	7.71	255	2250	1.63	0.97	1.98	6.28	50.4	7.6	21	14.40	13.8
R615811		2.86		0.09	7.14	16.1	1760	1.71	0.13	2.28	0.21	35.6	4.6	16	18.05	5.7
R615812		2.34		0.12	7.32	19.6	1170	1.53	0.12	2.29	0.12	37.3	7.8	13	24.1	5.1
R615813		2.74		0.29	6.92	48.2	3530	1.66	0.37	2.73	0.28	48.7	10.9	19	17.85	7.5
R615814		5.54		0.10	8.14	14.0	2750	1.28	0.15	1.25	0.16	42.3	7.5	15	15.05	8.0
R615815		0.32		39.7	5.93	2550	170	1.25	36.9	1.80	45.5	35.5	18.5	23	10.45	1185
R615816		2.90		5.48	6.51	455	270	1.55	3.05	2.15	33.5	41.1	6.9	16	22.7	60.3
R615817		4.56		1.17	7.32	54.7	1880	1.62	0.87	1.85	7.70	41.5	6.6	17	18.50	31.5
R615818		3.10		16.15	6.00	1420	760	1.37	18.35	1.17	74.7	37.2	9.3	16	8.70	423
R615819		6.04		0.03	0.08	1.7	30	0.06	0.05	21.2	0.16	1.22	0.8	<1	0.27	3.1
R615820		2.28		4.47	7.27	123.5	1310	1.65	5.13	1.54	2.03	55.7	5.6	22	15.30	584
R615821		2.96		0.41	6.83	23.1	2490	1.66	0.88	2.70	0.44	42.8	6.0	17	19.10	20.0
R615822		10.16		0.14	7.29	13.5	2220	1.69	0.29	2.66	0.10	43.9	6.3	21	19.20	9.5
R615823		2.92		0.34	6.98	49.1	1140	1.70	0.27	3.04	1.80	44.8	9.2	18	21.3	4.6
R615824		<0.02		0.33	7.08	47.8	1120	1.78	0.27	2.96	1.68	48.9	8.9	21	21.7	5.1
R615825		3.14		1.33	6.95	117.0	860	1.51	1.72	2.66	1.16	49.4	4.9	18	18.15	30.5
R615826		3.74		1.73	6.46	100.5	2330	1.44	2.12	1.76	10.40	48.3	5.5	17	14.60	43.8
R615827		7.34		0.33	7.30	16.7	2050	1.31	0.47	1.50	1.25	42.5	5.2	16	13.45	6.8
R615828		3.96		32.5	6.34	303	490	1.27	50.1	1.66	52.5	38.5	5.9	16	15.20	81.5
R615829		6.08		0.04	0.08	0.9	50	0.11	0.06	22.7	0.11	1.35	0.7	1	0.24	2.0
R615830		2.08		0.66	7.84	84.1	2090	1.48	0.61	1.70	3.28	54.6	6.6	15	20.2	6.1
R615831		3.06		0.16	7.24	16.6	1350	1.41	0.14	2.12	0.23	46.7	6.8	17	12.50	5.5
R615832		6.74		0.85	7.08	50.7	2050	1.44	1.03	2.40	1.88	40.6	5.2	16	15.85	19.7

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127978

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R614798		5.86	14.45	0.07	0.9	2.64	3.14	24.5	8.2	0.68	2840	2.55	0.04	6.2	2.2	480
R614799		3.08	16.85	0.07	1.2	0.039	2.93	24.4	7.7	0.77	549	2.12	1.85	8.6	2.2	600
R614800		2.52	16.75	0.10	1.2	0.073	3.45	38.9	25.8	0.70	791	8.54	0.87	6.1	2.0	560
R615801		5.05	15.80	0.08	1.1	0.320	3.02	29.2	25.9	0.82	1880	14.60	0.15	6.5	14.6	520
R615802		4.68	17.10	0.08	1.1	13.45	3.30	26.7	13.2	0.74	1660	2.26	0.04	7.2	2.3	500
R615803		2.90	19.75	0.10	5.1	0.039	2.31	33.0	94.9	0.93	765	0.94	0.05	12.2	8.4	1490
R615804		5.62	16.40	0.07	1.0	6.28	2.89	25.7	19.6	0.65	2370	6.44	0.03	6.1	3.3	560
R615805		4.19	16.65	0.08	1.2	0.154	3.07	30.9	14.3	0.89	1670	2.39	0.04	7.2	2.3	510
R615806		4.05	17.75	0.08	1.2	0.148	3.45	25.1	26.9	0.82	1870	2.65	0.06	8.6	2.2	640
R615807		4.18	17.80	0.09	1.1	0.148	3.53	26.6	24.0	0.85	1940	2.89	0.05	8.2	2.3	620
R615808		4.30	17.15	0.09	1.2	0.220	3.34	23.8	12.5	0.77	1340	2.06	0.04	8.0	2.1	640
R615809		10.70	13.40	0.09	0.7	1.510	2.47	16.4	10.4	0.62	1610	3.92	0.02	4.7	1.7	360
R615810		3.79	17.40	0.08	1.2	0.217	3.30	26.6	18.1	0.80	720	2.77	0.91	8.3	2.2	620
R615811		2.88	17.75	0.06	1.2	0.047	2.61	16.5	107.5	0.57	652	1.37	0.25	9.2	1.4	660
R615812		2.72	17.15	0.07	1.3	0.041	3.10	17.6	18.4	0.72	781	1.49	0.05	8.9	2.4	630
R615813		3.31	14.50	0.10	1.0	0.072	2.93	26.8	26.8	1.01	1440	2.74	0.07	6.5	2.0	520
R615814		3.09	18.60	0.09	1.1	0.055	2.47	20.0	45.7	0.49	888	1.82	0.10	9.1	2.2	710
R615815		9.40	14.90	0.08	0.9	1.615	2.69	17.6	17.9	0.73	2410	17.60	0.06	5.2	15.8	460
R615816		5.40	15.40	0.08	0.8	0.471	2.73	20.8	18.8	0.78	4110	6.06	0.03	6.6	2.9	500
R615817		3.72	16.90	0.10	1.0	0.305	3.36	20.1	35.4	0.72	2140	2.76	0.06	7.7	1.7	570
R615818		7.38	13.85	0.08	1.1	1.750	2.81	19.0	9.6	0.59	2210	10.95	0.02	6.0	1.6	380
R615819		0.46	0.24	0.09	<0.1	0.006	0.03	0.6	1.0	12.85	198	0.10	<0.01	0.2	1.4	170
R615820		5.41	16.50	0.11	1.1	0.352	3.18	30.2	36.2	0.90	2310	3.07	0.08	7.2	1.7	520
R615821		3.13	16.20	0.12	1.2	0.104	3.48	20.6	19.3	0.75	962	1.86	0.99	8.2	1.9	550
R615822		3.07	16.40	0.09	1.2	0.070	3.07	22.0	26.1	0.73	754	1.97	1.71	8.5	1.8	600
R615823		3.07	16.75	0.09	1.1	0.093	3.28	21.8	39.1	0.98	1340	1.52	0.07	9.3	2.6	580
R615824		3.01	16.55	0.10	1.2	0.089	3.19	24.5	38.6	0.98	1280	1.91	0.06	9.1	2.5	570
R615825		2.66	16.50	0.08	1.2	0.103	3.24	25.2	16.1	0.90	2190	2.28	0.03	8.4	1.6	540
R615826		4.38	14.25	0.08	0.8	0.604	2.93	27.5	24.7	0.86	2950	14.05	0.03	5.8	1.4	480
R615827		3.37	16.30	0.08	1.1	0.159	2.78	20.2	88.6	0.62	1210	3.58	0.06	8.0	1.8	620
R615828		7.09	14.30	0.10	0.9	1.445	2.73	18.1	31.5	0.67	2460	3.56	0.03	5.9	2.5	480
R615829		0.51	0.28	0.22	<0.1	0.006	0.03	0.6	1.3	13.60	214	0.10	0.01	0.2	1.7	180
R615830		3.47	16.80	0.22	1.1	0.116	2.63	27.4	104.5	0.68	1360	2.95	0.03	7.5	2.8	650
R615831		2.90	17.15	0.20	1.2	0.055	1.72	21.8	219	0.68	1100	2.93	0.02	8.1	2.4	680
R615832		3.10	16.95	0.17	1.2	0.079	2.30	18.8	156.0	0.77	1240	2.78	0.03	8.0	2.1	650

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127978

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R614798		1800	178.5	<0.002	4.22	19.75	8.4	1	5.5	47.2	0.49	0.15	13.45	0.198	3.11	4.7
R614799		24.3	108.0	<0.002	0.04	2.58	10.4	<1	1.6	329	0.71	<0.05	12.75	0.269	1.56	3.6
R614800		21.7	130.0	0.002	0.36	5.26	9.9	1	1.5	178.0	0.54	<0.05	16.55	0.199	2.23	5.5
R615801		483	158.0	0.004	2.76	29.9	9.4	1	5.7	112.5	0.53	0.32	12.60	0.210	2.54	5.3
R615802		385	158.0	<0.002	4.16	50.3	9.4	1	35.9	76.9	0.61	<0.05	12.45	0.221	3.13	4.9
R615803		15.5	61.2	<0.002	0.04	17.70	6.4	<1	1.4	385	0.78	<0.05	9.64	0.383	1.31	3.4
R615804		661	167.0	<0.002	2.49	87.0	8.9	1	14.8	87.7	0.43	<0.05	9.60	0.212	2.85	3.2
R615805		150.5	181.5	<0.002	1.60	9.67	10.2	<1	2.2	91.4	0.60	<0.05	13.95	0.223	2.84	5.0
R615806		193.5	145.5	<0.002	0.54	11.35	11.2	<1	3.4	97.4	0.66	<0.05	12.35	0.275	2.87	5.0
R615807		226	149.0	<0.002	0.67	10.90	11.0	<1	3.5	94.8	0.62	<0.05	12.40	0.264	3.08	5.2
R615808		314	151.0	<0.002	1.58	16.50	10.9	<1	5.4	93.2	0.66	<0.05	12.50	0.257	3.24	4.4
R615809		5480	168.5	<0.002	>10.0	55.5	7.0	1	29.3	33.3	0.39	0.35	8.07	0.148	2.44	3.4
R615810		89.4	148.0	<0.002	0.94	8.48	11.6	1	2.5	198.0	0.64	<0.05	12.70	0.271	1.92	3.3
R615811		15.6	74.5	<0.002	0.12	14.25	10.4	1	1.9	204	0.78	<0.05	11.25	0.284	1.51	3.1
R615812		15.9	84.2	<0.002	0.32	7.09	10.1	1	2.0	112.0	0.82	<0.05	11.70	0.272	2.38	5.3
R615813		36.9	141.5	<0.002	0.61	16.35	9.8	<1	2.2	99.8	0.50	0.07	11.75	0.208	2.09	7.0
R615814		15.0	98.6	<0.002	0.15	44.9	12.6	1	2.2	94.6	0.64	<0.05	10.50	0.306	1.36	2.5
R615815		1690	143.5	0.002	8.23	106.0	8.9	1	11.1	66.4	0.42	0.75	9.61	0.174	2.25	5.7
R615816		466	142.5	<0.002	4.03	36.7	10.0	1	16.3	57.9	0.49	0.15	9.18	0.217	2.71	4.6
R615817		190.5	144.0	<0.002	0.85	14.50	10.5	1	3.1	95.1	0.60	<0.05	11.00	0.244	2.82	3.8
R615818		1135	164.5	0.002	7.06	64.8	7.9	<1	8.7	22.5	0.63	0.31	11.75	0.160	2.79	3.6
R615819		3.5	1.7	<0.002	<0.01	0.06	0.2	<1	<0.2	48.4	<0.05	<0.05	0.11	<0.005	0.02	0.8
R615820		92.6	177.5	<0.002	1.27	32.6	9.7	1	3.1	63.2	0.66	0.15	14.75	0.214	2.78	4.4
R615821		30.3	135.5	<0.002	0.37	4.81	10.2	<1	2.2	223	0.70	0.05	12.30	0.238	2.19	4.8
R615822		17.2	114.0	<0.002	0.12	3.57	10.0	1	2.5	297	0.74	<0.05	12.40	0.254	1.64	4.7
R615823		92.1	118.0	<0.002	0.39	8.24	11.9	1	2.7	113.5	0.71	<0.05	10.70	0.275	3.05	6.9
R615824		95.3	131.5	<0.002	0.38	8.28	12.3	1	2.6	113.5	0.72	<0.05	12.00	0.268	2.91	7.5
R615825		56.9	145.0	<0.002	0.78	17.80	9.8	1	2.5	92.5	0.73	<0.05	13.05	0.238	3.73	5.6
R615826		155.5	192.0	0.002	1.14	31.9	9.2	<1	4.0	48.4	0.49	0.07	13.20	0.174	3.03	3.9
R615827		36.4	104.5	<0.002	0.25	25.9	10.2	1	2.4	150.0	0.65	<0.05	12.20	0.243	2.07	4.2
R615828		1840	141.5	<0.002	5.67	23.8	8.8	1	5.9	69.6	0.50	0.54	10.10	0.196	2.65	4.8
R615829		2.7	1.4	<0.002	<0.01	0.07	0.2	1	<0.2	55.8	<0.05	<0.05	0.10	<0.005	<0.02	0.8
R615830		87.1	128.5	<0.002	1.17	30.1	9.7	1	3.0	144.5	0.62	<0.05	13.55	0.257	2.67	5.5
R615831		11.4	69.3	<0.002	0.23	33.6	10.4	1	2.2	198.0	0.68	<0.05	11.15	0.262	1.86	3.3
R615832		71.8	73.9	<0.002	0.45	23.2	9.4	<1	2.3	170.5	0.70	<0.05	10.30	0.269	2.20	3.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127978

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.005
R614798		55	5.4	9.4	7710	24.1	0.439
R614799		71	1.3	16.9	105	36.2	<0.005
R614800		69	1.2	14.3	120	28.7	<0.005
R615801		67	5.5	12.3	863	31.6	0.325
R615802		61	5.9	10.8	>10000	29.8	1.075
R615803		71	2.0	12.0	187	202	<0.005
R615804		69	6.1	9.2	>10000	33.1	1.430
R615805		68	4.4	10.6	558	30.3	0.387
R615806		77	5.5	14.1	613	32.3	0.038
R615807		77	5.5	13.7	552	31.5	0.066
R615808		73	4.8	12.1	809	30.3	0.382
R615809		47	6.1	6.5	9760	19.5	8.16
R615810		78	2.7	15.3	496	31.3	0.643
R615811		76	4.0	14.8	61	30.3	<0.005
R615812		77	5.5	15.7	66	33.0	<0.005
R615813		63	3.2	17.0	87	22.5	0.034
R615814		76	7.1	15.7	61	31.0	<0.005
R615815		59	7.7	9.1	3470	25.2	1.745
R615816		60	4.5	11.0	3160	23.5	0.933
R615817		69	3.4	12.2	684	27.0	0.015
R615818		48	5.0	7.3	5500	27.8	1.460
R615819		2	0.1	0.9	24	<0.5	<0.005
R615820		63	5.1	11.5	259	29.7	0.125
R615821		66	1.9	14.2	80	33.1	0.010
R615822		70	1.5	15.1	56	32.7	<0.005
R615823		79	2.8	14.7	201	31.2	0.008
R615824		76	2.8	15.6	189	31.5	0.008
R615825		65	5.5	13.4	136	32.4	0.073
R615826		58	3.4	10.1	775	24.6	0.071
R615827		71	4.6	13.0	155	29.7	<0.005
R615828		55	4.2	10.4	3750	23.0	0.802
R615829		2	0.1	0.9	22	0.5	<0.005
R615830		71	5.3	12.0	305	29.2	0.027
R615831		69	6.0	13.6	82	31.6	<0.005
R615832		69	5.7	12.5	188	30.3	0.025

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 1-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127978

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-35a	PUL-35ad	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE VA16127981

Project: Klaza

P.O. No.: Batch 90

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

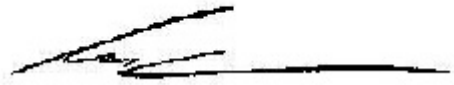
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127981

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R615833		3.60			5.76	7.32	269	1300	1.45	1.00	1.09	36.8	59.5	7.0	13	15.50
R615834		4.84			5.15	6.03	1210	2710	1.18	5.34	0.41	10.95	39.7	12.1	12	24.4
R615835		3.56	162		>100	2.02	3810	1010	0.56	138.0	0.86	63.1	4.45	7.8	11	8.56
R615836		4.10		0.999	26.5	4.35	596	1000	1.20	7.77	0.64	116.0	31.4	5.2	11	36.5
R615837		3.30			4.08	5.84	448	650	1.17	4.54	0.10	14.75	48.8	4.0	17	8.96
R615838		6.10			0.01	0.04	<0.2	40	0.06	0.03	20.3	0.09	1.11	0.7	1	0.13
R615839		3.60			24.7	5.33	429	400	1.54	35.0	0.58	17.75	43.0	5.5	11	23.1
R615840		2.44			2.54	7.12	152.0	1020	1.77	3.74	0.52	19.30	49.8	9.1	17	14.80
R615841		3.12			1.38	7.29	49.6	1460	1.81	2.22	1.56	6.29	51.0	6.4	18	19.95
R615842		0.32			4.42	6.49	683	420	1.55	3.38	2.02	10.50	48.3	12.5	25	13.45
R615843		2.16			0.24	7.59	20.8	1420	2.15	0.28	1.83	2.56	51.0	7.0	17	19.10
R615844		2.54			11.15	5.58	819	620	1.39	14.80	1.38	27.0	25.6	7.0	13	7.93
R615845		3.22			0.47	7.31	58.1	1850	1.96	0.37	2.55	4.60	47.1	7.1	13	14.45
R615846		2.40			44.6	3.26	2160	530	0.78	65.8	0.14	28.7	12.40	8.7	14	7.08
R615847		2.54			9.06	5.89	374	330	1.73	11.65	3.40	88.2	46.7	6.9	15	15.75
R615848		1.90			0.20	7.03	46.3	2810	1.74	0.31	1.69	0.98	34.5	8.3	16	20.5
R615849		2.74			0.10	7.75	17.5	2610	1.72	0.25	1.21	0.39	40.6	6.0	15	19.80
R615850		2.56			0.64	5.45	22.2	1500	1.40	0.63	1.56	6.41	30.1	6.9	25	6.95
R615851		2.30			6.20	6.09	163.5	890	1.35	11.75	1.34	14.95	33.0	3.4	19	7.91
R615852		<0.02			5.83	5.97	156.5	780	1.54	10.25	1.38	16.50	31.9	3.2	18	7.94
R615853		3.96			2.28	6.69	61.5	1490	1.80	2.75	1.30	33.3	69.8	6.4	18	10.00
R615854		10.12			0.74	7.86	86.3	2190	1.84	0.95	1.36	21.9	64.7	6.9	17	14.85
R615855		3.52	446		>100	3.18	2850	1230	0.84	774	0.16	129.0	18.30	7.8	13	8.47
R615856		3.38			25.6	6.69	520	320	1.66	41.4	0.32	59.5	62.9	9.1	14	21.5
R615857		6.08			0.31	0.06	2.5	30	0.08	0.56	20.6	0.25	1.28	0.8	1	0.26
R615858		6.90			0.38	7.36	156.0	2230	1.60	0.45	2.23	0.42	48.9	6.2	12	19.55
R615859		8.84			0.33	7.48	103.5	1890	1.68	0.32	2.36	0.38	48.3	6.3	16	24.4
R615860		3.04			1.68	6.87	439	710	1.72	1.07	1.47	13.00	57.9	8.8	17	19.30
R615861		3.18			0.23	7.12	154.0	1540	1.85	0.27	2.63	0.38	41.7	5.5	13	23.6
R615862		1.92			0.23	7.57	186.0	1470	1.89	0.24	2.64	0.44	49.8	5.4	13	28.4
R615863		5.92			0.31	7.35	470	2350	1.69	0.25	2.43	1.27	56.8	4.5	13	16.60
R615864		3.12			1.00	6.44	897	1290	1.75	0.32	2.77	3.57	44.8	4.3	11	18.20
R615865		0.34	118	1.560	>100	5.28	8200	170	1.25	63.9	1.98	225	28.1	9.6	18	11.20
R615866		6.24			1.27	6.68	265	1630	1.76	0.75	2.03	5.36	47.5	5.3	14	13.85
R615867		3.70			2.75	7.31	385	920	1.77	3.35	1.58	13.80	63.0	5.0	14	17.05
R615868		4.92			2.41	7.67	254	900	1.66	3.16	1.30	16.10	51.8	11.4	16	11.80

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127981

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R615833		41.9	5.26	17.45	0.07	1.1	0.403	3.32	33.6	10.5	0.62	2720	3.74	0.04	7.5	2.9
R615834		140.5	6.59	15.80	0.05	0.8	0.478	2.75	20.3	13.4	0.32	1150	2.76	0.03	5.7	2.8
R615835		6610	15.55	6.25	<0.05	0.3	4.32	0.86	1.4	21.2	0.36	1380	6.16	0.02	2.0	2.6
R615836		179.0	4.52	11.90	<0.05	0.7	1.565	1.76	16.6	33.7	0.31	1870	19.45	0.02	4.5	2.7
R615837		54.1	4.16	15.65	0.05	0.8	0.420	2.69	27.9	20.1	0.24	209	12.05	0.03	5.3	2.2
R615838		2.0	0.44	0.18	0.20	<0.1	0.006	0.02	0.5	1.1	12.50	189	0.09	0.01	0.1	1.6
R615839		648	4.77	13.60	0.12	0.8	1.045	2.29	23.8	33.0	0.38	1510	26.2	0.03	5.3	3.1
R615840		29.2	8.20	16.80	0.15	1.0	0.782	3.33	25.9	13.7	0.83	3740	3.12	0.03	6.5	3.0
R615841		14.4	4.73	15.85	0.15	1.0	0.143	3.36	28.5	44.9	0.86	1860	1.53	0.07	7.0	2.6
R615842		299	4.87	15.35	0.15	1.1	0.332	2.88	26.5	28.5	0.75	1810	14.25	0.15	5.9	14.8
R615843		6.8	3.12	17.75	0.16	1.2	0.185	3.16	26.2	33.7	0.65	1140	3.42	0.26	8.2	2.8
R615844		301	10.20	13.00	0.13	0.9	1.090	2.76	10.2	13.1	0.67	2710	16.30	0.03	5.3	2.7
R615845		10.6	3.19	17.50	0.18	1.4	0.122	3.55	22.7	22.5	0.74	1320	2.32	0.40	8.7	2.8
R615846		859	12.10	10.30	0.11	0.5	0.876	1.52	6.2	18.5	0.16	458	26.0	0.02	2.7	2.3
R615847		116.5	7.22	13.55	0.13	1.4	3.19	2.46	24.6	23.3	1.31	3680	13.75	0.04	6.2	4.1
R615848		5.2	2.64	18.10	0.15	1.1	0.044	3.44	16.6	53.8	0.46	738	1.96	0.10	8.2	2.7
R615849		4.2	3.92	17.65	0.16	1.1	0.068	3.48	19.6	35.7	0.53	1340	1.98	0.11	8.1	2.4
R615850		26.1	2.26	12.35	0.14	0.7	0.109	2.41	15.9	25.1	0.67	1140	33.9	0.04	3.4	3.8
R615851		86.0	3.75	15.15	0.15	0.8	0.442	2.95	17.9	22.5	0.60	1600	20.7	0.04	4.0	2.6
R615852		85.6	3.57	15.10	0.13	0.7	0.503	2.92	17.0	22.8	0.59	1610	17.55	0.04	4.0	2.5
R615853		58.7	4.16	15.20	0.16	0.8	0.521	3.27	41.4	13.8	0.66	2190	7.82	0.04	4.9	3.2
R615854		29.4	4.06	17.55	0.18	1.1	0.229	2.70	36.9	101.0	0.63	1640	6.97	0.05	7.2	2.8
R615855		3930	13.80	9.41	0.13	0.4	4.45	1.43	8.3	13.9	0.14	230	24.0	0.02	2.3	1.6
R615856		272	5.37	16.45	0.18	0.9	1.280	3.05	37.1	13.3	0.32	888	6.37	0.03	5.7	2.3
R615857		4.6	0.46	0.27	0.19	<0.1	0.012	0.03	0.6	1.4	12.70	203	0.09	0.01	0.2	1.6
R615858		4.3	3.13	16.50	0.17	1.0	0.043	2.85	25.5	132.0	0.85	1330	1.50	0.10	7.4	2.9
R615859		8.1	2.72	17.65	0.18	1.1	0.044	3.06	25.2	22.2	0.87	774	4.59	0.05	7.2	2.9
R615860		22.1	5.41	15.50	0.15	0.9	0.186	2.90	32.5	17.0	0.75	2820	4.38	0.04	6.6	3.6
R615861		6.3	2.99	17.00	0.16	1.0	0.043	3.02	20.9	23.7	0.87	1300	3.75	0.05	7.3	2.6
R615862		6.2	2.99	17.25	0.18	1.1	0.043	2.97	26.2	27.6	0.91	1320	4.44	0.05	7.5	2.5
R615863		7.5	2.92	16.75	0.18	0.9	0.062	3.17	31.7	23.8	0.90	2020	7.00	0.05	6.6	2.2
R615864		12.8	4.34	14.95	0.15	1.0	0.113	2.86	24.9	17.2	1.08	3470	6.34	0.03	5.4	2.2
R615865		1300	8.28	12.80	0.12	1.1	4.69	2.37	14.0	33.6	0.62	3070	15.35	0.08	5.3	14.3
R615866		16.9	4.33	15.50	0.16	0.8	0.213	3.02	26.0	14.5	0.94	2890	2.44	0.04	5.8	2.6
R615867		27.7	6.20	17.30	0.15	0.9	0.320	3.39	37.1	10.6	0.85	3090	2.59	0.03	6.6	2.1
R615868		21.9	5.33	19.15	0.16	0.9	0.579	3.75	28.1	10.3	0.58	2070	6.64	0.04	6.4	3.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127981

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R615833		530	1680	209	<0.002	3.07	18.85	10.1	1	14.3	36.0	0.65	<0.05	13.85	0.228	3.79
R615834		390	378	189.5	<0.002	6.13	57.8	8.5	1	10.5	64.9	0.47	0.18	9.48	0.185	2.84
R615835		150	2550	60.4	<0.002	>10.0	939	3.2	2	25.8	48.2	0.17	0.54	2.08	0.063	1.27
R615836		330	5690	118.0	<0.002	3.58	192.0	5.8	1	24.5	145.5	0.38	0.13	8.03	0.136	2.78
R615837		210	419	165.5	<0.002	4.07	63.4	7.3	1	12.5	57.0	0.42	0.10	10.95	0.178	2.60
R615838		170	2.6	0.9	<0.002	<0.01	0.25	0.2	1	<0.2	48.5	<0.05	<0.05	0.07	<0.005	<0.02
R615839		390	3350	143.5	<0.002	3.58	224	7.7	1	8.4	32.3	0.43	0.08	10.20	0.168	2.57
R615840		520	326	199.5	<0.002	2.02	15.80	10.4	1	5.1	20.8	0.51	0.07	11.15	0.210	3.87
R615841		520	185.5	176.5	<0.002	0.72	13.40	10.4	1	3.1	95.3	0.56	<0.05	12.65	0.234	3.08
R615842		500	465	148.5	0.004	2.65	29.1	9.6	1	5.4	109.5	0.50	0.28	10.45	0.199	2.52
R615843		600	50.6	135.5	<0.002	0.19	15.45	11.5	1	2.2	112.5	0.70	<0.05	13.50	0.258	2.23
R615844		410	882	151.5	0.002	9.07	57.4	8.2	1	4.9	51.2	0.44	0.28	7.25	0.168	2.70
R615845		610	112.5	140.0	<0.002	0.33	10.25	13.2	1	2.5	152.5	0.77	<0.05	11.50	0.282	2.31
R615846		160	3340	108.0	<0.002	>10.0	380	4.3	1	13.4	11.3	0.23	0.76	4.23	0.089	1.68
R615847		600	1295	139.5	<0.002	5.04	14.45	7.4	1	5.1	246	0.48	0.32	8.62	0.201	2.32
R615848		580	30.8	126.5	<0.002	0.25	11.55	10.0	1	1.6	153.5	0.69	<0.05	9.98	0.251	2.18
R615849		590	18.0	132.5	<0.002	0.11	14.90	11.5	1	2.3	108.0	0.70	<0.05	11.40	0.253	2.20
R615850		400	95.4	138.0	0.006	0.43	15.90	7.9	1	1.3	47.1	0.29	0.06	9.10	0.124	1.81
R615851		440	270	167.5	0.003	1.67	55.0	8.6	1	2.6	44.7	0.34	0.38	9.89	0.140	2.41
R615852		400	279	167.0	0.002	1.54	54.1	8.7	1	2.6	44.4	0.34	0.34	9.65	0.137	2.37
R615853		490	379	190.0	0.005	1.11	20.0	10.0	1	2.6	27.3	0.42	<0.05	12.40	0.159	2.85
R615854		590	161.5	142.5	0.004	0.68	22.4	11.3	1	2.3	126.0	0.60	<0.05	14.00	0.233	2.34
R615855		180	3150	88.9	0.005	>10.0	453	4.5	2	24.0	36.4	0.19	1.31	3.93	0.074	1.59
R615856		390	795	185.5	0.004	4.52	63.9	9.6	1	6.8	74.4	0.48	0.33	11.55	0.188	3.47
R615857		190	5.2	1.7	<0.002	<0.01	0.56	0.2	1	<0.2	49.3	<0.05	<0.05	0.11	<0.005	<0.02
R615858		620	25.6	105.5	<0.002	0.41	8.04	10.6	1	1.3	112.5	0.60	<0.05	11.15	0.250	2.32
R615859		630	30.4	123.0	<0.002	0.41	9.16	10.9	1	1.5	123.5	0.58	<0.05	11.70	0.240	2.48
R615860		540	340	146.5	<0.002	1.58	27.3	10.6	1	3.6	80.9	0.48	<0.05	9.54	0.238	2.80
R615861		590	20.1	109.5	<0.002	0.27	14.95	11.2	1	1.6	112.0	0.57	<0.05	9.56	0.255	2.62
R615862		630	27.0	128.0	0.002	0.30	16.50	11.9	1	1.6	118.0	0.58	<0.05	11.05	0.260	2.60
R615863		580	35.6	173.0	<0.002	0.60	17.90	11.3	1	1.6	110.5	0.51	<0.05	11.55	0.234	2.97
R615864		480	228	166.5	<0.002	1.57	20.8	9.5	1	2.5	114.0	0.43	<0.05	9.78	0.185	3.25
R615865		450	9940	120.5	0.002	7.15	223	7.4	1	8.2	123.0	0.44	0.49	7.11	0.185	2.25
R615866		520	164.5	177.0	<0.002	0.67	10.95	9.9	1	2.9	74.1	0.43	<0.05	10.05	0.203	3.17
R615867		570	735	204	<0.002	1.48	15.75	11.0	1	6.8	47.4	0.55	0.07	12.40	0.232	3.71
R615868		610	346	232	0.002	2.62	16.10	11.6	1	10.7	38.3	0.51	0.06	11.25	0.226	3.69

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127981

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R615833		4.2	65	6.5	10.4	4100	30.1	0.249
R615834		3.9	55	7.9	10.5	957	23.6	0.658
R615835		3.5	22	5.8	3.8	4470	8.9	6.00
R615836		4.3	40	6.2	7.9	>10000	18.9	0.565
R615837		4.4	54	6.4	8.1	1120	23.4	0.392
R615838		0.6	1	0.1	0.7	19	<0.5	<0.005
R615839		3.6	50	5.9	8.3	1900	22.9	1.170
R615840		3.9	63	8.2	7.7	1560	28.5	0.114
R615841		4.6	62	4.8	11.9	565	28.5	0.060
R615842		5.1	63	5.7	11.7	852	32.0	0.363
R615843		3.5	70	3.1	15.7	327	35.2	<0.005
R615844		5.9	53	4.5	8.4	2110	23.6	1.080
R615845		4.4	84	3.9	16.9	467	36.3	0.024
R615846		2.5	31	5.6	5.3	2170	12.6	2.74
R615847		3.1	49	3.4	9.3	6650	51.4	0.449
R615848		4.8	67	3.0	11.3	175	30.1	<0.005
R615849		2.8	69	8.1	12.8	137	32.0	<0.005
R615850		2.4	52	1.7	8.9	331	20.0	0.005
R615851		11.6	53	3.2	7.3	944	21.2	0.122
R615852		11.7	52	3.2	7.1	1020	20.7	0.119
R615853		3.5	56	3.2	10.7	1700	22.9	0.607
R615854		3.5	69	3.5	13.6	1160	28.6	0.056
R615855		1.8	28	3.4	4.5	8390	10.0	4.82
R615856		3.9	60	5.4	9.1	3740	26.5	0.611
R615857		0.7	1	0.1	0.8	23	<0.5	<0.005
R615858		3.8	72	4.1	14.3	1140	27.7	0.031
R615859		4.4	69	4.1	14.6	208	31.0	0.014
R615860		4.3	69	7.1	12.7	1120	25.4	0.103
R615861		3.9	72	6.7	14.3	89	29.3	0.033
R615862		4.3	75	6.3	15.0	94	31.4	0.039
R615863		4.8	73	5.5	14.8	136	27.6	0.157
R615864		3.2	58	6.8	13.0	339	29.2	0.360
R615865		5.4	53	4.5	8.3	>10000	33.3	4.54
R615866		3.4	64	6.2	12.2	461	26.5	0.087
R615867		3.6	68	8.0	10.5	1200	27.9	0.176
R615868		2.8	74	7.0	8.2	1480	26.3	0.192

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 31-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127981

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127983

Project: Klaza

P.O. No.: Batch 91

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

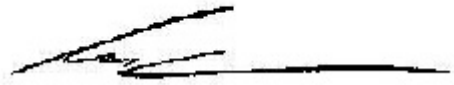
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127983

Sample Description	Method	WEI-21	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Cu	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
R614813		4.90					2.60	6.87	747	620	1.37	6.34	1.02	2.29	54.9	8.5
R614814		5.98					0.54	7.54	1315	2120	1.52	2.31	2.13	0.71	49.2	4.3
R614815		0.34	119		0.979	1.565	>100	5.62	8690	290	1.29	61.8	2.05	239	29.2	10.4
R614816		6.52					0.48	7.70	649	2060	1.71	2.05	2.14	1.86	49.3	9.5
R614817		6.64					2.26	6.90	137.5	1230	1.57	4.87	2.83	14.90	34.7	10.2
R614818		4.02					12.55	7.28	253	740	1.49	30.6	1.47	25.7	34.9	10.3
R614819		1.94					15.20	7.36	251	770	1.42	38.9	1.49	23.1	36.0	11.3
R614820		3.28					1.11	7.62	87.8	1980	1.51	2.12	1.57	2.57	61.6	7.6
R614821		2.80					0.59	7.71	55.8	2170	1.48	1.86	2.06	0.97	56.3	8.2
R614822		3.82					0.33	6.25	71.3	1490	1.52	1.42	2.19	0.31	43.3	3.4
R614823		3.24					2.40	7.07	1150	1650	1.73	4.98	2.10	1.47	61.5	4.5
R614824		5.80					37.9	7.19	290	1500	1.66	78.9	2.49	16.65	50.1	7.6
R614825		<0.02					37.4	7.18	277	1460	1.53	75.6	2.56	17.50	44.6	8.1
R614826		2.32					0.88	7.71	67.9	1870	1.76	1.58	2.10	6.67	49.5	5.7
R614827		1.04	114	1.005		1.365	>100	2.54	1455	170	0.84	133.5	2.14	168.5	14.40	3.4
R614828		2.70					1.07	7.70	78.8	1370	1.75	2.02	1.94	5.67	69.4	12.6
R614829		2.66					0.79	7.70	47.5	640	1.92	2.61	1.64	3.56	37.9	36.0
R614830		2.90					1.58	5.31	91.5	680	1.26	6.58	0.80	4.39	37.4	76.0
R614831		6.08					0.02	0.08	<0.2	70	0.10	0.08	20.7	0.06	1.35	0.8
R614832		6.14					0.45	7.60	27.0	1470	1.50	2.00	2.08	1.41	64.4	10.7
R614833		2.48					0.43	7.80	29.6	2320	1.96	1.21	2.14	1.91	49.4	8.0
R614834		2.46					1.10	6.89	158.0	2020	1.52	2.55	2.14	3.36	43.7	9.3
R614835		5.42					0.64	7.09	37.8	910	1.64	2.02	2.17	1.86	48.8	15.5
R614836		2.86					0.25	7.51	10.2	2400	1.61	1.17	2.08	0.32	47.4	7.1
R614837		2.76					0.67	7.62	111.5	1160	1.66	1.13	1.42	4.24	48.5	7.3
R614838		4.94					3.33	8.01	97.8	1420	1.37	7.48	0.59	1.02	48.0	14.0
R614839		0.32					10.60	6.59	1770	610	1.61	6.58	1.87	40.3	39.7	17.4
R614840		4.96					0.71	7.86	49.6	2440	2.22	2.34	1.48	3.15	60.7	12.2
R614841		3.44					0.74	7.84	75.9	1180	1.70	2.64	1.78	3.80	77.7	18.7
R614842		5.08					0.15	7.48	9.0	3010	1.78	0.65	2.27	0.91	50.5	7.5
R614843		7.96					0.66	8.56	75.4	1840	1.96	1.91	0.23	5.07	54.7	9.5
R614844		5.28					3.22	7.16	114.0	950	1.25	4.60	0.08	0.24	53.9	2.2
R614845		2.86					0.11	7.65	7.2	2220	1.89	0.41	1.93	1.01	55.4	7.7
R614846		3.74					0.65	7.79	63.9	2090	1.58	1.64	1.77	0.95	57.1	7.7
R614847		1.70					5.79	7.61	525	430	1.86	11.05	0.30	2.16	57.4	9.8
R614848		6.18					0.02	0.07	0.3	60	0.06	0.04	20.6	0.08	1.31	0.7

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127983

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
R614813		23	13.50	226	4.67	16.50	0.13	0.9	0.389	2.25	31.7	31.1	0.51	702	5.12	0.03
R614814		27	12.80	76.1	3.88	17.25	0.12	1.1	0.187	2.73	26.3	19.3	0.68	633	2.70	1.17
R614815		20	12.05	1380	8.65	14.05	0.11	1.1	4.75	2.41	14.3	34.6	0.65	3280	15.65	0.09
R614816		25	12.85	23.6	3.70	17.05	0.12	1.0	0.187	3.15	27.9	14.9	0.89	635	3.57	1.29
R614817		108	15.45	101.0	6.17	16.20	0.10	1.7	0.521	2.67	19.0	30.8	1.70	1850	1.29	0.03
R614818		146	10.85	463	7.97	18.15	0.10	1.9	0.693	2.63	18.5	26.6	1.94	1240	0.81	0.04
R614819		144	11.50	371	7.93	18.85	0.11	1.9	0.651	2.67	19.5	25.9	1.94	1260	1.90	0.03
R614820		26	12.20	65.9	4.75	16.35	0.12	1.0	0.201	3.38	39.7	28.2	1.07	850	8.58	0.38
R614821		22	13.55	33.2	3.07	17.30	0.15	1.0	0.207	3.32	32.0	19.2	0.77	454	4.45	0.86
R614822		18	14.00	7.7	2.61	13.15	0.13	2.0	0.281	2.52	25.0	11.9	0.52	443	4.04	1.39
R614823		18	17.30	193.5	3.72	16.75	0.14	1.1	0.404	3.10	35.0	13.1	0.63	614	2.14	0.91
R614824		21	13.95	636	3.84	16.20	0.16	1.1	1.040	3.01	28.2	16.8	0.69	990	13.35	0.62
R614825		17	13.65	655	4.01	16.45	0.15	1.1	1.050	3.10	24.3	16.7	0.69	1030	12.65	0.64
R614826		20	15.05	25.1	3.25	17.40	0.13	1.6	0.155	3.21	27.0	10.3	0.67	1220	3.44	1.31
R614827		10	4.69	>10000	18.25	7.24	0.12	0.7	3.70	1.09	7.9	7.9	0.83	11550	3.94	0.15
R614828		16	26.5	26.8	4.03	17.95	0.14	1.6	0.463	3.35	40.7	14.5	0.73	1960	1.64	0.27
R614829		15	10.55	28.1	4.64	16.15	0.14	1.2	0.286	4.45	19.5	13.1	0.67	460	1.80	1.41
R614830		19	7.42	67.9	7.48	13.30	0.11	0.9	0.325	2.43	22.5	11.8	0.45	618	4.47	0.14
R614831		1	0.18	4.7	0.47	0.23	0.06	<0.1	0.008	0.04	0.6	1.2	12.90	208	0.09	0.01
R614832		19	13.75	18.2	3.22	16.30	0.15	1.2	0.279	3.21	37.8	17.8	0.63	393	2.82	0.91
R614833		16	15.10	6.2	3.48	17.55	0.16	1.3	0.311	3.50	28.2	13.7	0.77	623	1.90	0.71
R614834		17	10.40	24.9	4.73	16.40	0.10	1.3	0.178	3.23	23.9	8.4	0.98	1560	2.44	0.04
R614835		17	14.75	16.4	3.57	16.45	0.13	1.1	0.275	2.22	26.7	48.6	0.76	652	3.58	0.04
R614836		19	14.70	24.6	2.89	17.25	0.15	1.1	0.048	2.75	26.2	13.1	0.60	446	2.37	1.99
R614837		15	26.9	73.5	3.35	17.20	0.13	1.3	0.102	3.14	26.3	11.8	0.53	2700	1.75	0.05
R614838		15	25.7	211	3.81	18.00	0.12	1.2	0.167	3.28	27.9	18.9	0.34	563	3.37	0.24
R614839		20	16.55	109.5	5.20	15.35	0.09	1.4	0.873	2.79	20.7	24.9	0.68	1960	12.25	0.26
R614840		12	17.40	144.5	4.08	17.40	0.12	1.3	0.154	2.88	34.5	16.2	0.54	692	4.41	1.22
R614841		12	16.80	170.5	4.41	18.50	0.13	1.2	0.180	2.76	45.2	21.1	0.72	611	5.53	0.42
R614842		17	17.00	15.2	2.78	17.05	0.14	1.4	0.066	2.69	27.3	13.6	0.67	424	5.34	1.75
R614843		13	22.9	206	3.93	18.85	0.13	1.5	0.164	3.43	29.6	26.2	0.23	246	3.88	0.11
R614844		16	13.40	36.8	3.58	18.35	0.11	1.5	0.236	3.42	30.6	9.9	0.29	94	5.90	0.16
R614845		18	11.55	30.8	2.96	16.85	0.13	1.6	0.082	2.86	29.4	14.8	0.74	425	3.91	2.26
R614846		19	12.65	43.6	4.25	17.95	0.14	1.3	0.208	3.02	30.5	20.6	0.78	829	2.08	1.47
R614847		15	13.65	194.0	11.70	23.0	0.15	1.2	0.415	2.77	31.6	33.8	0.40	1180	6.96	0.05
R614848		1	0.16	3.5	0.47	0.23	0.06	<0.1	<0.005	0.03	0.6	1.1	12.80	199	0.19	0.01

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127983

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
R614813		7.0	3.2	510	93.5	163.0	0.002	3.01	77.9	9.4	1	12.9	57.0	0.55	0.69	11.60
R614814		8.5	2.7	590	37.0	123.0	<0.002	0.83	9.18	10.3	1	9.5	213	0.72	0.08	12.60
R614815		6.1	15.3	470	>10000	129.0	<0.002	7.47	229	7.5	1	8.7	126.5	0.48	0.50	7.79
R614816		8.1	3.7	570	78.5	163.0	<0.002	1.01	4.66	10.4	1	8.6	232	0.66	0.09	12.35
R614817		6.3	36.2	660	292	155.5	<0.002	2.01	9.21	11.5	1	3.8	92.6	0.54	0.15	7.91
R614818		6.5	47.3	630	906	148.5	<0.002	3.09	7.00	13.0	2	6.2	48.5	0.57	2.25	7.83
R614819		6.7	47.5	640	829	154.0	<0.002	2.98	6.93	13.6	1	6.5	51.0	0.58	2.47	8.00
R614820		7.6	8.2	570	178.0	183.0	<0.002	1.48	4.78	10.1	1	5.6	95.7	0.63	0.08	12.75
R614821		7.5	2.6	580	34.1	172.0	<0.002	1.07	5.23	10.0	1	10.0	144.0	0.57	0.12	11.60
R614822		6.5	1.8	270	21.3	160.0	<0.002	1.29	4.80	5.5	1	7.2	147.5	0.93	0.06	21.2
R614823		7.6	2.4	530	90.9	180.5	<0.002	1.54	8.12	9.8	1	9.3	161.5	0.58	0.07	12.65
R614824		7.4	2.9	540	944	154.5	<0.002	1.69	193.5	9.8	1	7.5	151.5	0.62	0.55	11.65
R614825		7.3	2.8	540	965	144.5	<0.002	1.80	199.0	9.7	2	7.6	154.0	0.62	0.56	10.95
R614826		8.7	2.6	580	133.5	139.5	<0.002	0.84	6.50	10.9	1	3.8	220	0.77	<0.05	13.95
R614827		2.6	1.4	140	4510	67.5	<0.002	>10.0	266	3.1	2	18.1	36.3	0.28	3.47	6.34
R614828		9.0	3.2	610	215	182.0	<0.002	1.74	10.95	11.9	1	6.3	78.0	0.85	0.31	14.00
R614829		8.2	4.4	580	88.6	204	<0.002	3.14	3.50	9.8	2	8.6	193.5	0.75	0.46	13.15
R614830		3.2	7.2	320	172.0	146.5	<0.002	6.42	9.69	5.1	2	9.9	33.9	0.51	2.17	11.60
R614831		0.3	1.5	200	2.4	1.5	<0.002	0.02	0.17	0.2	1	<0.2	48.4	<0.05	<0.05	0.11
R614832		8.3	2.4	540	52.6	141.5	<0.002	1.39	5.24	10.2	1	9.9	135.0	0.73	0.61	14.60
R614833		8.2	2.7	590	73.3	170.5	<0.002	1.20	3.93	10.7	1	9.7	129.0	0.67	0.16	13.60
R614834		6.4	2.4	500	85.7	211	<0.002	3.90	8.59	9.2	1	12.8	60.9	0.58	0.50	11.85
R614835		7.4	3.0	520	78.6	105.5	<0.002	1.86	16.05	9.8	1	5.3	90.9	0.66	0.61	12.90
R614836		7.8	2.6	560	19.5	106.5	<0.002	0.26	2.32	10.0	1	2.3	319	0.62	0.42	13.15
R614837		8.0	2.5	540	70.8	146.0	<0.002	0.67	8.60	9.9	1	5.0	49.3	0.72	0.18	14.35
R614838		7.2	2.6	560	55.4	160.0	<0.002	0.63	40.6	11.1	1	5.1	65.4	0.60	0.39	14.50
R614839		7.6	15.7	500	1340	149.5	<0.002	3.06	33.4	8.4	1	5.9	148.5	0.63	0.22	10.45
R614840		8.1	3.6	580	51.5	129.5	<0.002	0.99	6.81	10.7	2	5.5	207	0.69	0.20	16.70
R614841		7.5	3.3	590	69.4	139.5	<0.002	2.42	21.5	11.0	2	8.1	73.2	0.63	0.58	14.75
R614842		8.3	2.6	560	20.7	113.5	<0.002	0.48	3.92	10.3	1	3.6	302	0.75	0.10	14.75
R614843		9.0	3.6	730	40.8	159.5	<0.002	0.62	15.35	11.8	1	5.8	86.7	0.78	0.59	18.00
R614844		5.9	1.1	390	817	201	<0.002	0.91	23.5	9.0	1	17.2	86.2	0.53	0.88	12.90
R614845		9.0	3.2	580	22.8	116.5	<0.002	0.11	2.20	11.1	1	3.3	332	0.86	0.08	15.05
R614846		8.7	2.9	680	42.4	148.5	<0.002	0.89	14.30	12.4	1	4.1	232	0.69	0.11	14.40
R614847		6.6	3.7	560	146.5	187.0	<0.002	7.59	62.8	11.3	2	8.6	23.2	0.54	0.62	13.45
R614848		0.2	1.7	180	1.9	1.4	<0.002	0.01	0.24	0.2	1	<0.2	50.1	<0.05	<0.05	0.13

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127983

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614813		0.202	2.11	4.0	63	5.1	15.4	219	22.9	1.460
R614814		0.250	1.90	4.8	67	3.5	15.2	109	28.0	0.154
R614815		0.192	2.21	5.3	56	4.8	9.0	>10000	34.2	4.39
R614816		0.244	2.12	4.3	65	3.5	15.1	205	27.9	0.061
R614817		0.236	2.56	4.9	93	5.5	10.7	1240	48.6	0.202
R614818		0.246	2.30	4.0	100	6.3	8.6	1970	53.3	0.079
R614819		0.250	2.33	4.4	100	6.2	9.0	1820	57.1	0.092
R614820		0.230	2.52	5.1	67	5.3	13.2	267	26.5	0.046
R614821		0.234	2.35	4.7	70	2.4	15.9	117	28.1	0.064
R614822		0.108	2.28	7.6	34	1.9	14.0	47	46.8	0.048
R614823		0.221	2.53	5.0	59	2.9	14.3	161	30.7	0.268
R614824		0.224	2.08	5.6	63	3.5	15.0	1360	30.6	0.324
R614825		0.230	2.21	5.6	65	3.7	14.6	1470	30.9	0.298
R614826		0.252	2.26	4.7	70	2.3	16.2	893	44.0	0.084
R614827		0.063	0.98	2.4	19	2.5	6.6	>10000	16.8	1.225
R614828		0.251	2.96	5.0	75	2.9	17.5	715	38.0	0.054
R614829		0.220	2.63	5.5	59	2.5	19.5	265	33.5	0.075
R614830		0.109	1.72	7.0	57	2.6	13.0	362	24.8	0.256
R614831		<0.005	<0.02	0.6	2	0.1	0.9	27	<0.5	<0.005
R614832		0.217	2.01	4.5	60	3.3	17.0	142	34.5	0.059
R614833		0.243	2.44	3.8	66	2.6	14.9	214	34.9	0.021
R614834		0.183	2.88	3.2	57	5.9	10.7	251	35.6	0.528
R614835		0.211	1.77	4.7	61	3.3	14.6	191	31.9	0.033
R614836		0.239	1.33	2.4	66	3.5	15.0	64	28.2	0.053
R614837		0.226	2.70	3.2	64	6.5	14.2	388	32.3	0.214
R614838		0.232	2.56	3.1	74	3.1	11.6	194	30.0	0.171
R614839		0.202	2.35	4.9	57	5.2	11.1	2980	39.5	0.772
R614840		0.233	1.72	3.7	67	3.7	19.4	298	33.0	0.100
R614841		0.222	2.03	4.0	69	4.0	20.2	246	32.0	0.067
R614842		0.234	1.37	4.1	65	1.3	16.7	73	35.4	0.020
R614843		0.254	2.32	8.0	71	3.8	18.1	540	38.6	0.289
R614844		0.174	2.89	2.3	60	7.6	5.7	86	37.1	0.472
R614845		0.244	1.45	5.0	67	1.1	20.6	93	37.6	0.009
R614846		0.279	2.03	3.7	80	3.8	17.2	124	31.2	0.069
R614847		0.211	2.47	7.8	67	12.4	14.3	269	30.3	0.748
R614848		<0.005	<0.02	0.7	2	0.1	0.9	19	<0.5	<0.005

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127983

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	Cu-OG62	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	Pb-OG62
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE VA16127984

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

ANALYTICAL PROCEDURES

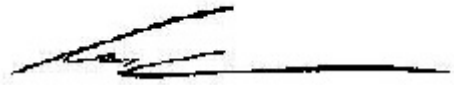
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127984

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614849		4.38			0.27	8.10	12.7	2570	1.78	1.13	2.18	0.52	58.4	7.7	16	13.55
R614850		2.36			0.18	8.34	13.6	2260	1.52	0.95	2.42	0.29	59.0	8.3	16	13.90
R614851		6.92			0.17	8.18	15.1	2430	1.72	0.70	2.27	0.50	61.0	8.4	17	13.50
R614852		<0.02			0.17	7.86	14.7	2350	1.53	0.73	2.20	0.48	55.7	8.0	17	12.75
R614853		2.84			5.48	6.61	404	90	1.43	11.55	0.41	3.13	33.9	9.1	21	9.01
R614854		1.48			3.07	5.00	249	140	1.11	5.69	4.22	9.89	37.1	7.6	11	10.30
R614855		6.00			0.01	0.05	0.4	30	<0.05	0.04	21.3	0.07	1.07	1.0	1	0.13
R614856		2.80			1.12	7.74	65.9	1070	1.61	2.07	2.67	2.53	54.5	10.6	15	29.0
R614857		7.18			6.15	7.17	274	160	1.51	10.65	1.97	1.99	49.4	8.2	17	17.50
R614858		2.32			0.84	7.89	48.3	530	1.44	1.91	1.12	1.90	61.9	8.1	19	18.20
R614859		1.42			34.8	3.51	516	40	0.83	48.2	1.69	21.6	16.80	5.5	20	5.54
R614860		3.06			21.3	6.86	277	190	1.56	37.4	0.56	3.74	55.3	6.4	19	10.95
R614861		0.36			4.72	6.78	692	300	1.34	3.57	2.06	11.65	50.8	12.8	26	13.25
R614862		3.52			2.07	7.08	167.0	170	1.52	4.34	0.42	1.75	52.6	13.5	25	8.20
R614863		5.12			0.48	7.65	27.0	1900	1.64	1.07	2.27	0.72	55.1	7.5	18	16.15
R614864		1.14			12.70	6.37	271	100	1.41	18.45	1.85	26.4	46.8	8.4	10	12.60
R614865		5.26			0.66	7.55	47.9	1700	1.68	1.56	2.35	1.16	59.0	6.7	18	22.7
R614866		3.66			4.61	5.44	147.0	100	1.15	4.23	2.19	52.6	40.4	12.9	19	13.95
R614867		6.02			0.02	0.06	<0.2	240	0.06	0.05	22.1	0.14	1.15	1.0	1	0.22
R614868		4.06			1.74	7.70	231	310	1.39	3.10	1.50	3.25	58.5	7.1	16	16.00
R614869		2.52			1.82	6.96	42.5	80	1.42	1.90	2.27	1.84	49.7	7.6	26	8.70
R614870		5.04			0.26	8.10	19.0	2450	1.58	1.04	2.39	0.50	53.1	6.3	24	8.71
R614871		6.62			1.97	7.97	42.6	1360	1.53	4.32	2.08	4.69	57.0	9.5	18	12.00
R614872		2.60			2.44	7.99	44.3	1050	1.61	2.99	2.07	5.40	57.9	13.8	19	11.70
R614873		2.34			1.76	7.55	83.7	370	1.72	4.63	1.06	4.03	69.1	17.0	17	9.76
R614874		4.02			1.61	7.84	69.5	280	1.73	3.28	0.81	4.62	46.1	15.5	13	13.00
R614875		5.80			3.02	6.83	269	240	2.37	4.75	2.03	9.99	42.0	16.5	88	13.80
R614876		4.80			5.13	6.77	418	650	1.74	11.15	1.07	10.80	40.7	10.5	58	13.60
R614877		0.36	115	1.600	>100	5.20	6810	120	1.20	62.8	1.87	219	32.4	9.7	18	10.80
R614878		3.04			3.97	7.05	157.0	580	1.78	4.26	1.36	13.70	38.4	13.9	114	13.45
R614879		1.86			22.1	6.01	535	240	1.39	43.5	2.51	7.74	24.9	12.3	227	9.52
R614880		9.04			1.96	7.48	82.0	310	1.69	4.18	2.01	3.87	55.7	15.1	16	17.40
R614881		8.52			5.24	7.53	139.5	310	1.57	8.47	1.07	4.76	40.9	18.1	79	9.40
R614882		4.92			2.44	7.68	85.5	390	1.63	3.93	1.48	4.71	51.0	8.8	16	14.15
R614883		2.66			0.96	7.87	63.5	830	1.64	1.90	1.46	4.07	56.4	9.1	17	13.50
R614884		3.48			22.3	6.33	180.0	360	1.16	25.1	0.42	53.6	34.6	15.0	24	9.32

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127984

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614849		17.5	3.38	16.75	0.15	1.2	0.112	3.12	30.9	17.9	0.83	477	2.94	2.23	8.1	2.9
R614850		16.8	3.42	17.35	0.15	1.3	0.092	3.13	31.9	26.7	0.85	500	3.21	1.28	8.3	2.9
R614851		12.6	3.42	16.40	0.17	1.2	0.075	2.78	33.6	15.3	0.83	457	1.61	1.92	8.1	2.9
R614852		14.0	3.31	15.55	0.16	1.2	0.069	2.70	30.2	14.3	0.80	442	1.75	1.84	7.7	2.7
R614853		154.0	8.81	16.00	0.08	1.0	0.299	3.15	14.9	8.5	0.35	611	2.88	0.08	4.3	2.6
R614854		62.3	7.34	12.50	<0.05	0.7	0.178	2.27	19.8	13.8	1.84	5760	6.02	0.03	4.3	2.2
R614855		1.9	0.47	0.30	0.16	<0.1	0.005	0.02	0.5	1.4	13.15	212	0.14	0.01	0.1	1.8
R614856		74.3	2.96	16.80	0.14	1.2	0.100	3.20	29.3	8.8	0.99	1110	2.47	0.05	7.9	3.4
R614857		238	4.87	15.75	0.08	1.1	0.206	3.38	25.5	17.5	0.87	1180	1.98	0.06	7.0	2.5
R614858		97.6	4.12	18.15	0.12	1.1	0.226	3.49	34.5	20.7	0.60	925	1.85	0.07	6.8	2.6
R614859		1510	7.99	9.50	<0.05	0.5	0.386	1.61	7.8	41.4	0.76	1260	26.0	0.03	1.9	2.8
R614860		2710	5.85	15.80	0.05	1.3	1.290	3.17	29.4	13.2	0.44	926	6.11	0.04	5.3	3.0
R614861		308	5.01	15.20	0.08	1.1	0.324	2.94	27.2	28.8	0.78	1890	16.60	0.15	6.1	14.8
R614862		125.0	6.05	18.25	0.09	1.1	0.300	3.44	27.5	9.1	0.46	511	5.25	0.06	4.1	3.1
R614863		14.8	3.72	15.60	0.13	1.0	0.121	2.86	29.8	10.8	0.80	788	2.48	1.54	7.6	2.6
R614864		441	7.49	15.20	0.08	0.9	0.409	2.97	24.7	6.9	0.89	2220	2.65	0.04	5.2	3.0
R614865		31.2	3.48	16.05	0.14	1.0	0.191	3.68	32.5	15.7	0.72	977	1.32	0.40	7.7	2.4
R614866		364	5.48	11.55	0.08	0.6	0.322	2.52	21.5	10.6	0.96	2590	2.62	0.05	5.0	2.9
R614867		2.4	0.47	0.35	0.16	<0.1	<0.005	0.03	0.6	1.3	13.70	212	0.13	<0.01	0.2	1.8
R614868		31.5	5.16	16.30	0.09	0.9	0.230	3.51	32.2	7.8	0.76	1190	1.30	0.05	6.6	2.4
R614869		178.5	7.20	15.10	0.08	1.4	0.186	2.74	25.0	9.5	0.89	463	1.99	1.03	6.5	2.8
R614870		24.5	3.55	16.15	0.12	1.5	0.190	2.78	29.0	13.7	0.93	458	2.12	2.13	8.1	2.7
R614871		150.0	3.62	17.05	0.13	1.4	0.224	3.22	30.6	13.6	0.73	620	1.54	1.11	7.7	2.6
R614872		234	3.58	16.90	0.19	1.3	0.264	3.25	31.1	12.3	0.73	560	1.28	1.07	7.5	2.6
R614873		72.1	6.63	17.65	0.15	1.0	0.229	3.91	33.9	10.8	0.82	707	1.24	0.31	5.0	3.4
R614874		149.0	4.28	16.75	0.15	1.0	0.221	4.06	22.2	12.6	0.52	883	0.98	0.09	5.3	4.2
R614875		217	5.63	14.50	0.11	1.4	0.340	2.77	21.9	31.1	0.63	1100	2.74	0.04	5.0	25.6
R614876		215	5.87	15.10	0.11	1.7	0.589	2.74	21.8	22.6	0.72	1220	1.64	0.03	5.3	17.1
R614877		1220	7.74	12.65	0.07	1.1	4.53	2.20	15.5	32.5	0.61	2930	15.20	0.08	5.3	14.2
R614878		267	6.54	15.20	0.07	1.7	0.430	2.53	20.2	33.5	1.10	1740	1.91	0.02	5.7	31.7
R614879		1135	8.79	15.35	0.06	1.4	1.240	2.20	11.6	31.4	1.87	1950	4.56	0.03	4.5	66.0
R614880		56.1	4.39	16.40	0.11	1.0	0.216	3.53	28.0	10.5	0.85	696	1.36	0.09	6.1	4.0
R614881		512	6.32	16.75	0.12	1.3	0.397	3.26	20.5	17.1	1.06	1560	2.89	0.04	5.8	24.3
R614882		165.0	3.47	15.95	0.10	1.2	0.176	3.58	27.4	12.2	0.62	792	1.32	0.16	6.2	2.9
R614883		48.8	3.50	17.70	0.15	1.0	0.208	4.04	29.6	11.6	0.75	879	1.49	0.36	6.4	2.7
R614884		707	3.48	15.30	0.10	1.1	0.729	3.03	17.8	10.0	0.35	521	7.10	0.04	4.4	5.2

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127984

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614849		630	51.2	131.0	0.002	0.60	2.60	11.4	1	3.1	344	0.67	0.16	13.80	0.261	1.95
R614850		640	32.4	133.0	<0.002	0.50	5.03	11.6	1	3.2	248	0.68	0.16	14.00	0.271	1.85
R614851		650	28.5	119.5	<0.002	0.47	3.57	11.4	1	3.3	312	0.67	0.15	13.40	0.271	1.71
R614852		630	27.9	112.0	<0.002	0.47	3.37	10.8	1	3.4	300	0.64	0.15	12.80	0.262	1.68
R614853		430	117.5	162.0	<0.002	8.13	19.50	9.3	2	10.9	32.0	0.34	0.83	9.55	0.149	2.76
R614854		410	170.5	118.5	<0.002	5.98	30.4	6.6	2	7.9	64.9	0.35	0.49	8.56	0.142	2.38
R614855		180	3.5	1.0	<0.002	0.01	0.10	0.1	1	<0.2	51.5	<0.05	<0.05	0.07	<0.005	<0.02
R614856		610	97.8	157.0	<0.002	1.39	26.5	10.7	1	4.6	57.1	0.67	0.20	13.80	0.254	3.23
R614857		570	325	188.0	<0.002	3.49	35.7	10.3	1	5.9	74.1	0.60	0.29	11.85	0.220	3.37
R614858		590	48.5	183.0	0.002	2.07	37.0	11.1	1	6.6	59.1	0.50	0.32	14.50	0.221	3.11
R614859		230	1425	88.5	<0.002	7.95	796	4.9	2	10.3	31.7	0.16	0.66	5.11	0.064	1.42
R614860		480	115.5	171.0	0.002	4.74	207	9.1	2	10.2	13.9	0.52	0.62	12.55	0.167	3.32
R614861		520	479	157.5	0.003	2.70	29.8	9.5	1	5.7	112.5	0.50	0.31	10.85	0.200	2.68
R614862		520	61.8	206	<0.002	5.03	32.7	10.8	2	18.0	11.9	0.38	0.73	13.60	0.133	2.68
R614863		640	57.2	121.0	<0.002	0.89	3.74	11.2	1	4.6	261	0.58	0.09	11.95	0.254	1.94
R614864		470	761	180.0	<0.002	6.29	122.5	9.0	1	9.8	42.7	0.42	0.44	10.65	0.167	3.44
R614865		600	58.9	174.0	<0.002	0.90	10.75	11.0	1	4.3	134.0	0.57	0.09	13.00	0.246	3.18
R614866		410	988	133.5	<0.002	3.59	14.30	7.8	1	6.7	56.6	0.40	0.26	8.79	0.163	2.68
R614867		180	2.9	1.4	<0.002	0.01	0.13	0.2	1	0.2	55.6	<0.05	<0.05	0.07	<0.005	0.02
R614868		570	101.5	221	<0.002	3.31	8.90	10.1	1	9.8	30.3	0.54	0.18	13.50	0.218	3.31
R614869		540	55.8	133.5	<0.002	5.76	3.82	9.7	2	6.5	175.0	0.56	0.39	11.70	0.207	1.92
R614870		640	33.3	115.0	0.002	0.79	3.37	11.2	1	3.6	381	0.73	0.09	12.90	0.255	1.67
R614871		620	233	153.0	<0.002	1.42	5.00	11.7	1	6.4	205	0.63	0.14	13.00	0.248	2.49
R614872		620	277	159.5	<0.002	1.68	5.35	11.3	1	7.2	196.5	0.64	0.12	13.15	0.243	2.70
R614873		610	159.5	219	0.002	5.72	4.35	12.2	2	9.7	74.5	0.38	0.36	10.20	0.194	3.05
R614874		630	127.0	217	<0.002	2.86	9.18	10.9	2	8.0	56.5	0.39	0.36	10.50	0.204	3.26
R614875		580	187.0	161.0	<0.002	3.01	16.55	11.4	1	6.6	81.0	0.43	0.62	8.68	0.197	2.76
R614876		610	221	146.0	<0.002	1.55	12.20	8.9	2	4.7	51.2	0.47	0.26	9.11	0.177	2.73
R614877		450	9350	128.0	<0.002	6.83	215	7.5	2	8.5	120.0	0.41	0.48	7.39	0.174	2.30
R614878		620	259	139.0	<0.002	1.48	12.20	11.5	1	4.9	64.0	0.50	0.19	8.03	0.212	2.53
R614879		500	287	126.0	0.003	4.70	55.7	16.6	1	11.2	74.3	0.34	0.45	3.95	0.248	2.23
R614880		600	157.5	207	<0.002	2.52	11.35	11.7	1	6.4	86.0	0.47	0.26	10.50	0.220	3.75
R614881		600	148.5	224	0.002	3.44	21.7	13.3	1	8.2	35.1	0.49	0.32	11.10	0.224	3.62
R614882		580	99.7	210	<0.002	2.31	12.05	10.2	1	6.5	68.7	0.57	0.21	12.85	0.203	3.53
R614883		620	104.0	223	0.002	1.87	7.38	11.4	1	8.0	106.5	0.52	0.21	13.00	0.216	3.37
R614884		460	3230	163.5	0.002	3.11	33.7	8.5	1	10.2	22.9	0.38	0.32	11.90	0.132	1.76

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127984

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614849		4.0	73	1.7	17.2	89	27.6	0.016
R614850		3.9	75	2.7	17.5	67	29.4	0.015
R614851		3.7	74	1.9	15.7	93	29.6	0.025
R614852		3.6	72	1.7	14.7	89	26.6	0.018
R614853		4.0	60	4.5	11.3	223	23.9	0.681
R614854		3.8	49	6.3	10.8	753	17.4	1.065
R614855		0.8	2	0.1	0.7	18	<0.5	<0.005
R614856		4.0	72	3.8	13.3	207	26.8	0.067
R614857		5.3	64	3.9	13.1	192	26.4	0.248
R614858		5.4	68	5.5	12.9	200	27.6	0.061
R614859		7.2	33	4.4	6.0	1580	12.4	0.479
R614860		7.2	61	6.7	11.5	322	28.7	0.346
R614861		5.3	66	5.8	11.2	866	28.3	0.358
R614862		5.6	66	4.4	11.3	149	26.1	0.239
R614863		4.2	73	2.4	16.0	105	22.1	0.023
R614864		3.3	59	8.4	9.1	2090	20.2	0.546
R614865		4.7	69	5.5	13.2	151	25.4	0.038
R614866		4.2	49	4.8	10.2	3540	15.7	0.599
R614867		0.5	2	0.1	0.8	21	<0.5	<0.005
R614868		4.0	65	5.8	10.3	370	23.1	0.415
R614869		4.4	62	2.2	14.9	136	37.1	0.059
R614870		5.3	73	1.7	18.6	84	41.8	0.018
R614871		4.8	71	2.5	16.5	372	36.8	0.728
R614872		4.8	71	2.6	15.3	438	34.3	0.114
R614873		3.3	67	3.1	15.3	376	25.9	0.071
R614874		3.0	78	3.1	15.5	509	27.2	0.111
R614875		7.0	84	5.3	20.0	870	47.1	0.232
R614876		7.4	69	4.6	13.0	1020	48.5	0.140
R614877		5.2	51	4.6	8.7	>10000	29.7	4.30
R614878		6.4	86	4.9	12.9	989	51.5	0.111
R614879		3.9	117	12.9	9.7	688	48.4	0.801
R614880		3.7	75	6.9	11.9	283	26.5	0.113
R614881		3.6	82	13.2	9.8	432	37.0	0.334
R614882		4.8	66	5.7	11.4	430	31.6	0.199
R614883		5.3	71	3.7	13.7	421	27.2	0.069
R614884		3.7	66	3.8	10.4	3940	30.6	1.880

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127984

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127985

Project: Klaza

P.O. No.: Batch 94

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

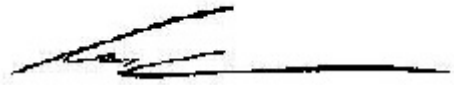
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127985

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R615869		3.34			15.65	3.97	1650	500	0.89	20.9	0.17	6.13	42.5	9.6	14	6.25
R615870		3.66			2.92	6.80	172.5	1310	1.42	3.85	0.52	22.4	46.2	11.2	24	9.44
R615871		8.10			0.26	6.99	29.5	1720	1.58	0.35	2.49	2.31	45.8	7.8	13	11.30
R615872		8.46			1.50	6.92	169.5	1550	1.50	1.22	1.09	12.00	49.4	4.4	12	13.60
R615873		0.36	122	1.600	>100	5.48	8140	1410	1.34	57.2	1.94	227	33.2	9.9	19	11.60
R615874		4.48			1.06	6.85	108.0	980	1.56	1.15	0.61	6.19	47.1	6.6	14	14.35
R615875		7.46			7.04	6.54	186.5	840	1.57	12.10	0.45	31.6	54.6	5.7	12	18.65
R615876		3.54			0.27	7.15	39.8	1510	1.83	0.53	2.07	3.95	46.6	5.1	15	13.30
R615877		2.72			69.9	4.84	977	1420	1.28	113.0	0.54	65.8	17.45	9.0	12	9.95
R615878		6.02			0.11	0.06	1.4	90	0.09	0.19	19.30	0.17	1.60	0.8	3	0.32
R615879		2.12			1.69	7.67	147.5	970	1.90	2.70	1.40	7.78	60.4	6.0	13	18.55
R615880		4.22			0.35	7.12	18.2	2670	1.62	0.90	2.49	0.41	49.8	4.6	14	9.95
R615881		2.44			24.9	5.78	1625	1510	1.43	32.8	0.46	20.7	35.7	6.9	14	7.64
R615882		2.12			0.17	8.11	7.7	2620	1.77	0.30	2.71	1.58	49.1	8.7	16	12.00
R615883		2.28			2.47	7.83	691	1620	1.86	2.92	0.19	14.65	60.0	6.2	12	19.10
R615884		2.00			4.12	7.24	341	800	1.63	6.66	0.17	7.15	42.7	8.2	12	11.80
R615885		2.36			9.95	6.33	298	1140	1.49	13.80	0.55	47.0	43.4	12.5	13	14.95
R615886		1.46			0.41	7.97	23.8	2200	1.91	0.59	1.38	6.81	54.6	10.5	11	19.25
R615887		0.70			0.44	7.71	20.7	2180	1.59	0.59	1.15	6.79	53.8	9.5	12	20.8
R615888		1.44			2.13	7.81	35.5	1810	1.83	1.51	1.27	27.0	55.9	12.1	13	22.7
R615889		2.80			0.59	7.85	73.3	2200	1.73	0.70	1.42	1.62	55.7	4.5	13	18.25
R615890		1.44			2.02	7.18	159.0	990	1.50	3.83	1.26	4.23	53.1	5.2	12	12.65
R615891		<0.02			1.93	7.30	166.5	1020	1.73	3.86	1.29	3.96	54.1	5.0	12	12.65
R615892		1.62			1.08	7.28	67.8	2040	1.73	1.95	1.26	0.81	56.1	9.5	13	14.75
R615893		2.54			0.58	7.89	35.8	3190	2.08	1.81	1.25	0.49	60.0	6.5	12	21.9
R615894		3.16			1.22	7.53	63.4	750	1.48	1.70	2.17	6.62	44.1	8.9	12	22.8
R615895		3.22			1.55	6.65	84.6	910	1.72	2.52	1.17	5.21	43.8	21.3	10	62.4
R615896		6.04			0.01	0.06	<0.2	60	0.06	0.04	21.6	0.08	1.36	0.8	1	0.43
R615897		1.88			0.14	8.03	18.9	990	1.35	0.44	1.95	0.23	61.5	4.4	12	12.10
R615898		3.18			0.13	7.42	31.0	910	1.34	0.24	1.75	0.21	47.1	5.3	13	10.35
R615899		0.38			4.21	6.84	732	690	1.47	3.24	2.09	10.55	46.2	13.0	27	13.35
R615900		2.50			0.96	7.81	94.6	1120	1.62	0.82	1.67	8.05	54.6	6.1	18	18.35
R615901		3.14			16.20	6.06	3100	1100	1.33	18.65	0.32	78.9	181.5	24.3	10	7.39
R615902		2.18			2.03	7.17	119.5	740	1.46	2.11	0.81	24.2	78.2	8.4	16	9.08
R615903		4.16			2.07	6.30	103.0	690	1.50	3.06	2.09	3.95	202	17.3	12	24.1
R615904		3.58			1.79	7.16	86.2	1220	1.61	1.86	1.58	1.58	122.5	7.4	13	9.88

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 4-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16127985

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R615869		173.5	9.03	11.25	0.09	0.5	0.329	1.89	23.4	13.7	0.17	149	1.36	0.02	3.7	2.7
R615870		56.5	4.93	19.30	0.11	0.9	0.828	3.25	25.0	11.6	0.55	1560	2.66	0.03	6.3	3.0
R615871		10.2	2.71	17.20	0.11	1.0	0.079	2.93	23.7	67.2	0.73	1080	2.60	0.05	7.5	2.5
R615872		24.2	5.13	16.55	0.10	0.9	0.258	3.07	27.9	15.9	0.76	2180	7.74	0.03	5.7	2.3
R615873		1280	8.09	13.20	0.09	1.2	4.51	2.24	17.9	32.7	0.63	3090	15.15	0.08	5.6	14.5
R615874		15.4	5.86	17.10	0.08	0.9	0.184	3.07	24.5	14.2	0.72	2130	3.45	0.03	6.5	2.4
R615875		40.7	6.60	16.40	0.11	0.8	0.402	2.77	31.0	22.6	0.59	2100	29.9	0.03	6.1	2.6
R615876		3.2	3.79	16.15	0.11	1.0	0.235	3.39	23.8	55.2	0.92	1880	1.67	0.05	6.8	2.4
R615877		1040	13.80	12.30	0.10	0.7	0.578	2.14	8.2	12.2	0.38	1500	31.6	0.02	4.4	2.6
R615878		3.6	0.44	0.22	0.07	<0.1	0.007	0.03	0.8	1.3	11.85	195	0.14	<0.01	0.2	1.6
R615879		17.7	4.48	17.45	0.14	1.2	0.178	3.44	34.0	28.4	0.70	1660	2.27	0.04	7.7	2.8
R615880		5.9	3.23	17.80	0.10	1.1	0.041	3.15	25.4	89.7	0.78	940	1.56	0.11	7.1	2.2
R615881		1170	11.00	13.40	0.11	0.8	0.914	2.64	18.4	11.0	0.37	815	13.95	0.03	5.4	3.1
R615882		27.6	3.24	19.10	0.13	1.4	0.057	2.86	25.3	11.2	0.79	636	2.30	2.45	9.0	3.0
R615883		95.5	5.82	18.25	0.12	1.2	0.328	3.35	33.5	25.0	0.27	630	1.37	0.10	8.0	2.7
R615884		617	7.12	17.40	0.10	1.1	0.399	3.15	22.6	10.5	0.38	967	1.48	0.04	7.0	2.4
R615885		527	7.30	15.65	0.12	1.0	0.658	2.63	23.5	14.1	0.43	1240	4.65	0.03	6.4	3.0
R615886		33.3	4.19	17.90	0.10	1.3	0.057	3.05	29.5	22.7	0.58	1060	1.32	1.01	8.6	3.2
R615887		31.4	4.08	16.75	0.12	1.3	0.051	3.02	29.6	22.8	0.54	915	1.59	0.90	8.0	3.2
R615888		46.0	4.36	17.35	0.09	1.2	0.225	3.11	31.1	21.8	0.49	1000	1.48	0.49	8.0	2.8
R615889		15.8	4.03	18.00	0.09	1.1	0.108	2.51	31.4	25.9	0.67	1280	1.17	0.05	7.7	2.9
R615890		79.3	5.95	16.80	0.11	1.0	0.297	3.21	30.5	10.2	0.85	1550	1.38	0.04	6.2	2.1
R615891		81.4	6.09	16.95	0.11	1.0	0.285	3.26	31.2	10.3	0.87	1600	1.24	0.04	6.2	2.1
R615892		77.6	5.24	16.30	0.11	1.1	0.376	2.91	32.3	16.5	0.82	1640	1.72	0.05	6.3	2.5
R615893		10.0	3.88	17.70	0.10	1.2	0.188	2.59	35.7	33.2	0.67	1270	1.27	0.04	10.1	2.3
R615894		22.8	3.63	16.10	0.09	1.0	0.392	2.96	24.1	23.9	0.86	1330	3.50	0.05	7.2	2.4
R615895		34.7	4.73	15.25	0.11	0.8	0.376	2.59	25.1	48.9	0.68	1220	3.50	0.05	4.7	3.9
R615896		1.7	0.49	0.25	0.07	<0.1	0.006	0.03	0.7	1.1	13.30	215	0.08	<0.01	0.2	1.6
R615897		4.0	3.44	18.30	0.12	1.0	0.085	2.51	35.4	44.3	0.79	1240	1.33	0.06	7.7	2.7
R615898		2.7	2.74	16.95	0.14	1.2	0.053	1.76	25.1	70.8	0.60	824	1.96	0.04	8.4	3.5
R615899		321	5.14	16.00	0.10	1.1	0.299	2.95	25.4	26.9	0.78	1930	15.70	0.15	6.3	15.0
R615900		12.6	3.92	17.85	0.13	1.1	0.197	2.88	30.8	33.6	0.71	1880	4.56	0.04	7.7	3.6
R615901		756	13.60	17.25	0.17	0.7	1.840	2.87	148.0	6.0	0.38	855	4.69	0.04	4.2	11.8
R615902		24.8	5.90	16.70	0.11	1.0	0.517	3.44	55.8	9.2	0.60	1600	6.86	0.04	5.2	3.3
R615903		104.0	7.11	15.60	0.14	0.7	0.366	1.95	180.5	72.1	0.90	1980	3.77	0.04	4.2	5.1
R615904		152.0	4.57	15.75	0.13	0.8	0.364	3.06	103.5	56.3	0.84	1840	1.71	0.05	4.2	3.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127985

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R615869		170	589	129.0	<0.002	9.36	53.7	5.1	<1	8.2	10.9	0.29	0.20	6.30	0.118	1.92
R615870		530	151.5	226	<0.002	2.10	23.5	11.1	1	6.5	20.5	0.49	0.06	12.05	0.205	3.36
R615871		600	47.9	132.5	0.003	0.32	14.25	10.8	1	1.3	138.5	0.57	<0.05	10.95	0.226	2.46
R615872		510	309	174.0	<0.002	0.89	20.7	9.7	1	3.5	56.8	0.45	<0.05	11.80	0.182	3.10
R615873		450	9760	135.0	0.003	7.05	217	7.8	1	8.8	123.5	0.44	0.49	8.09	0.180	2.15
R615874		600	200	183.0	<0.002	0.62	11.65	11.2	1	3.2	22.2	0.49	<0.05	12.65	0.210	3.33
R615875		480	527	174.5	<0.002	2.15	40.8	9.8	1	4.6	29.3	0.46	0.29	12.20	0.182	3.11
R615876		590	32.5	157.0	<0.002	0.35	8.64	10.0	1	2.0	139.5	0.52	<0.05	11.45	0.216	2.93
R615877		280	1780	117.5	<0.002	>10.0	246	7.0	2	6.1	28.3	0.34	1.31	5.34	0.138	2.54
R615878		180	4.7	2.1	<0.002	0.01	0.53	0.2	1	<0.2	50.0	<0.05	<0.05	0.14	<0.005	0.02
R615879		550	266	193.0	<0.002	1.54	14.60	11.5	1	4.1	73.7	0.57	0.08	13.15	0.241	3.20
R615880		590	16.4	126.5	<0.002	0.20	11.70	10.8	1	1.3	189.0	0.56	0.07	11.45	0.217	1.85
R615881		410	655	159.5	<0.002	>10.0	225	8.8	2	6.1	23.6	0.41	3.18	8.81	0.169	2.38
R615882		640	25.3	104.5	<0.002	0.09	2.54	12.5	1	1.9	404	0.69	0.05	13.50	0.279	1.16
R615883		580	596	204	<0.002	1.65	10.25	11.8	1	4.8	34.9	0.60	0.32	13.95	0.245	2.82
R615884		600	547	182.5	<0.002	4.46	32.5	9.9	2	5.7	22.5	0.55	0.77	12.40	0.217	2.63
R615885		500	1650	152.5	<0.002	5.39	85.9	9.9	2	4.8	30.0	0.49	0.89	11.35	0.201	2.29
R615886		610	76.6	137.5	<0.002	0.26	13.10	11.8	1	2.2	194.5	0.71	0.06	14.70	0.253	1.67
R615887		570	71.0	137.5	<0.002	0.26	12.75	10.8	1	2.1	177.0	0.66	<0.05	14.15	0.240	1.70
R615888		570	979	157.0	<0.002	1.19	7.59	11.2	2	2.7	114.0	0.64	0.24	13.80	0.243	2.09
R615889		600	54.5	135.5	<0.002	0.84	19.55	11.7	<1	2.2	64.0	0.63	0.05	13.80	0.237	2.15
R615890		500	172.0	208	<0.002	2.78	12.60	10.0	1	2.7	38.5	0.50	0.35	12.40	0.196	2.76
R615891		520	178.0	207	<0.002	2.79	12.60	10.0	1	2.7	38.9	0.51	0.37	12.65	0.202	2.86
R615892		540	51.7	182.0	<0.002	1.27	20.2	10.5	1	2.9	57.5	0.53	0.18	13.65	0.190	2.49
R615893		560	45.7	173.0	<0.002	0.68	14.95	11.4	1	2.3	92.7	0.75	0.18	15.30	0.225	2.13
R615894		560	127.0	153.5	<0.002	1.07	7.22	9.9	1	3.1	74.0	0.54	0.10	12.00	0.224	2.55
R615895		490	165.5	170.5	0.003	2.23	25.0	10.0	1	4.2	37.3	0.35	0.23	12.00	0.139	2.36
R615896		170	1.6	1.5	<0.002	<0.01	0.10	0.2	1	<0.2	50.7	<0.05	<0.05	0.10	<0.005	<0.02
R615897		620	12.2	127.0	<0.002	0.34	18.25	12.5	1	2.4	66.0	0.56	<0.05	13.20	0.226	2.19
R615898		620	12.3	67.7	<0.002	0.18	22.1	10.7	1	2.0	145.5	0.65	<0.05	11.90	0.248	1.19
R615899		530	486	150.5	0.005	2.75	28.2	9.8	1	5.6	109.0	0.51	0.35	10.65	0.207	2.48
R615900		590	271	149.0	<0.002	0.86	19.20	11.2	1	3.2	86.3	0.60	0.08	12.80	0.231	2.61
R615901		510	478	158.5	0.010	>10.0	55.9	7.6	1	9.2	20.8	0.34	1.89	9.43	0.143	2.44
R615902		580	755	207	0.015	3.72	7.61	9.4	1	5.9	27.2	0.43	0.49	10.55	0.182	3.15
R615903		520	250	113.0	0.004	3.16	43.0	7.7	1	2.3	269	0.33	0.87	10.55	0.147	1.73
R615904		520	117.5	179.0	<0.002	0.69	39.4	9.1	1	2.8	46.7	0.34	0.07	11.35	0.149	2.54

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127985

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R615869		1.4	35	4.1	5.9	368	12.6	3.26
R615870		2.6	77	6.8	7.3	1650	23.4	0.138
R615871		3.0	65	4.3	12.9	239	27.0	0.008
R615872		3.8	62	5.3	8.6	950	23.0	0.052
R615873		5.1	52	4.7	9.3	>10000	34.8	4.44
R615874		3.2	75	6.0	8.4	603	23.9	0.012
R615875		4.1	58	5.7	8.6	1720	23.4	0.102
R615876		3.8	67	2.5	13.9	469	26.1	0.012
R615877		3.9	43	5.2	7.7	3950	18.3	0.936
R615878		0.6	2	0.2	0.9	21	<0.5	<0.005
R615879		4.0	68	3.8	13.5	952	29.8	0.035
R615880		3.1	66	1.9	15.3	374	27.0	0.008
R615881		5.0	52	3.5	10.0	1450	22.3	3.15
R615882		3.3	76	1.3	17.9	131	37.3	<0.005
R615883		3.6	68	5.9	11.5	1340	32.6	0.264
R615884		3.3	63	7.4	8.7	618	30.3	0.109
R615885		3.7	58	7.3	11.2	2730	26.8	0.256
R615886		3.8	70	1.7	17.9	577	35.5	0.006
R615887		3.5	65	1.5	16.6	599	34.5	0.005
R615888		3.4	67	2.5	15.7	1930	32.8	0.058
R615889		4.8	70	4.8	14.8	195	30.6	0.042
R615890		5.3	62	4.6	11.1	345	27.1	0.069
R615891		5.5	64	4.8	11.3	342	27.4	0.070
R615892		6.1	63	4.2	13.4	144	28.6	0.024
R615893		4.6	63	3.0	17.3	104	33.0	0.011
R615894		4.8	62	3.9	12.4	607	27.5	0.061
R615895		6.6	67	3.2	10.1	480	24.8	0.052
R615896		0.7	2	0.1	0.8	19	<0.5	<0.005
R615897		4.6	70	2.1	13.5	76	27.9	0.006
R615898		2.6	68	3.8	12.2	100	32.7	<0.005
R615899		5.0	67	5.7	11.5	892	31.7	0.354
R615900		3.9	70	4.8	12.9	575	32.4	0.016
R615901		2.9	249	4.0	9.0	4950	18.8	4.35
R615902		4.0	105	3.6	9.8	1720	27.7	0.050
R615903		6.7	157	1.7	16.8	338	20.2	0.028
R615904		3.4	62	2.0	12.9	221	23.5	0.014

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127985

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127986

Project: Klaza

P.O. No.: Batch 96

This report is for 35 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

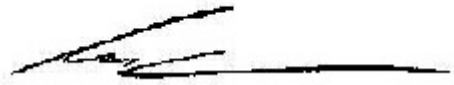
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127986

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R615905		4.80				0.42	6.94	52.8	3310	1.55	0.64	1.63	2.12	45.9	5.8	19
R615906		3.02				6.62	7.55	386	650	1.89	9.68	1.33	19.75	48.6	7.6	29
R615907		2.28				1.36	6.84	56.9	820	1.91	1.70	1.58	2.49	47.4	6.8	32
R615908		3.82				0.15	6.56	37.6	1710	1.10	0.14	2.48	0.26	48.1	5.2	32
R615909		2.24				1.26	5.02	88.0	370	1.12	0.99	1.95	3.06	43.0	6.0	33
R615910		1.90				0.89	6.32	74.6	1300	1.54	0.49	1.15	3.28	51.2	5.1	13
R615911		6.12				<0.01	0.06	<0.2	40	<0.05	0.02	20.5	0.05	1.16	0.6	1
R615912		1.32				0.13	7.11	23.5	760	1.54	0.20	2.26	0.39	46.5	6.2	12
R615913		2.48				0.65	7.27	51.1	1970	1.44	0.72	2.25	0.48	47.0	11.3	18
R615914		2.50				0.15	7.38	11.0	2050	1.40	0.27	1.83	0.08	48.6	4.0	17
R615915		2.32				1.89	7.20	99.4	1350	1.41	3.63	1.69	0.67	51.9	9.8	19
R615916		2.46				0.36	7.35	26.1	1930	1.61	0.63	2.18	0.17	61.8	6.1	18
R615917		3.56				0.18	7.40	25.2	1890	1.51	0.37	1.88	0.09	57.0	9.4	20
R615918		0.34	119	1.565		>100	5.31	8260	1250	1.13	61.2	1.93	224	33.9	8.9	18
R615919		1.58				1.31	6.03	424	810	1.50	0.68	2.40	3.72	46.2	2.9	11
R615920		1.62				1.48	6.69	94.3	1340	1.49	1.29	1.30	7.01	61.6	11.7	16
R615921		2.18				0.23	7.42	27.8	1550	1.46	0.34	2.20	0.91	57.9	4.3	21
R615922		1.50				0.28	7.35	30.7	1760	1.66	0.49	2.52	0.20	60.0	5.1	17
R615923		2.02				0.12	6.68	14.7	2680	1.29	0.23	1.88	0.19	49.8	3.9	16
R615924		8.86				0.80	7.05	57.8	1970	1.75	1.65	1.84	0.78	68.7	9.3	17
R615925		3.06				2.11	7.06	142.0	980	1.54	3.25	1.29	7.33	64.9	12.7	20
R615926		0.34				9.94	6.64	1800	1590	1.51	6.68	1.92	42.5	42.8	17.6	20
R615927		2.50				3.25	7.18	1480	990	1.59	3.11	1.22	16.45	75.1	14.2	19
R615928		1.50				7.60	5.47	2860	630	1.23	17.60	0.50	7.28	48.2	5.6	28
R615929		1.40				0.54	7.18	49.0	2040	1.48	0.61	2.50	4.12	75.7	7.6	19
R615930		6.02				0.01	0.05	1.3	30	0.08	0.03	21.2	0.08	1.23	0.8	1
R615931		1.98				0.18	7.25	20.3	1810	1.52	0.27	1.56	0.46	56.5	3.9	15
R615932		2.28				0.13	7.04	8.9	2280	1.54	0.37	2.34	0.11	49.4	5.5	21
R615933		1.50				1.95	7.22	192.0	1200	1.67	2.36	0.89	3.30	56.4	8.4	23
R615934		<0.02				1.90	7.26	202	1260	1.72	2.49	0.93	2.82	54.2	9.0	21
R615935		1.52			1.220	34.0	5.85	>10000	270	1.32	21.5	1.83	89.8	35.1	5.6	16
R615936		1.44				0.87	7.70	459	1110	1.45	1.23	1.06	1.66	55.9	5.6	27
R615937		2.26				9.64	7.25	241	1100	1.75	3.14	0.61	36.3	36.8	4.8	22
R615938		1.46				3.30	7.36	188.0	1340	1.53	3.75	0.79	2.57	48.1	3.5	16
R615939		2.46				0.10	6.62	13.6	1820	1.56	0.19	2.05	0.17	57.5	6.7	23

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127986

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615905		14.45	7.9	3.58	13.30	0.10	1.0	0.170	2.53	26.6	36.1	0.70	1390	3.35	0.03	6.5
R615906		16.10	232	4.80	16.35	0.10	2.5	0.557	3.11	27.0	19.8	0.74	1520	17.20	0.04	7.7
R615907		22.7	52.3	2.55	16.25	0.11	3.7	0.093	2.56	25.1	33.5	0.62	752	9.38	0.04	8.4
R615908		4.68	8.5	2.00	15.35	0.09	3.1	0.022	0.32	24.7	145.0	0.80	779	3.82	0.03	8.6
R615909		8.43	43.3	1.86	11.00	0.07	2.5	0.117	0.85	23.5	136.5	0.62	1000	27.7	0.04	6.0
R615910		29.4	23.2	3.34	13.10	0.13	0.8	0.239	2.47	30.3	22.3	0.63	1320	6.29	0.04	6.1
R615911		0.27	1.5	0.45	0.19	0.08	<0.1	<0.005	0.02	0.6	1.3	12.70	197	0.07	0.01	0.2
R615912		22.7	6.5	3.09	15.45	0.12	0.9	0.041	1.83	24.1	138.0	0.79	936	2.14	0.06	7.5
R615913		17.80	51.1	3.65	15.05	0.14	0.8	0.092	2.89	25.3	17.1	0.75	534	2.30	0.84	7.2
R615914		19.20	2.1	2.97	15.00	0.14	0.9	0.048	2.63	26.9	58.4	0.65	704	3.71	0.07	7.2
R615915		12.60	25.5	4.31	14.45	0.16	0.8	0.112	2.96	30.4	60.2	0.75	942	1.75	0.06	6.0
R615916		13.65	7.8	3.24	15.60	0.15	0.8	0.071	2.82	36.1	54.0	0.84	869	2.09	0.06	6.4
R615917		16.30	3.7	2.80	15.50	0.15	0.9	0.052	2.87	32.0	52.4	0.71	830	2.78	0.06	7.0
R615918		10.80	1230	7.95	12.00	0.14	1.0	4.57	2.22	17.7	32.7	0.62	3010	13.70	0.08	5.2
R615919		18.85	9.1	3.98	13.05	0.09	0.8	0.184	2.50	28.0	26.6	0.90	2300	3.83	0.03	6.0
R615920		11.55	63.7	3.78	14.05	0.08	0.9	0.267	3.17	43.1	17.9	0.65	1420	2.89	0.04	6.1
R615921		16.30	5.4	3.70	16.40	0.10	1.1	0.062	3.17	37.9	43.8	0.95	1060	3.83	0.05	7.4
R615922		17.05	15.1	3.81	16.65	0.11	1.1	0.078	3.13	40.1	37.3	1.06	1280	2.91	0.05	7.5
R615923		12.15	2.8	3.33	16.60	0.11	1.1	0.041	3.25	29.8	36.7	0.69	878	8.89	0.08	7.9
R615924		13.85	49.1	3.77	16.15	0.13	1.0	0.191	2.89	48.8	39.9	0.80	1350	11.65	0.05	5.9
R615925		7.89	112.5	4.99	16.80	0.12	0.7	0.295	3.44	45.5	11.5	0.75	1600	9.44	0.04	4.9
R615926		16.45	112.0	5.26	14.95	0.13	1.3	0.941	2.86	23.2	23.7	0.71	1950	12.50	0.27	7.8
R615927		7.73	155.5	4.82	16.75	0.11	0.8	0.456	3.52	53.8	9.9	0.64	1890	39.7	0.04	4.9
R615928		6.98	81.4	5.63	13.55	0.09	0.6	0.303	2.68	31.4	23.2	0.32	1450	35.8	0.03	4.8
R615929		11.45	14.0	3.21	15.40	0.16	1.1	0.119	3.37	50.6	12.5	0.88	2030	6.20	0.05	6.2
R615930		0.12	1.7	0.46	0.21	0.15	<0.1	<0.005	0.02	0.6	0.9	12.90	199	0.12	<0.01	0.1
R615931		14.05	4.2	2.60	15.65	0.21	1.1	0.041	2.77	32.9	113.5	0.60	787	5.34	0.04	7.8
R615932		10.20	5.5	3.29	16.20	0.20	1.1	0.047	2.90	28.4	17.3	0.75	516	2.71	1.89	7.9
R615933		19.00	42.5	6.80	17.45	0.14	1.0	0.227	3.35	34.8	68.8	0.84	2300	34.9	0.07	7.2
R615934		18.75	41.2	6.95	17.35	0.12	1.0	0.199	3.38	32.7	67.8	0.84	2300	36.0	0.07	7.1
R615935		13.45	705	8.52	14.85	0.08	0.8	0.738	2.77	17.8	12.4	0.84	3900	3.50	0.03	5.8
R615936		18.20	15.9	4.21	17.35	0.12	1.1	0.188	2.85	33.3	71.7	0.58	1380	2.46	0.05	8.0
R615937		13.00	264	6.54	16.95	0.11	0.9	0.906	3.41	20.8	11.0	0.72	1940	4.89	0.04	6.5
R615938		12.10	163.0	5.89	17.10	0.10	0.9	0.282	3.48	27.4	16.8	0.77	1480	29.8	0.04	6.7
R615939		13.05	3.1	2.60	16.40	0.16	1.2	0.034	3.29	34.1	89.7	0.57	677	3.88	0.07	7.3

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127986

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615905		3.5	530	132.0	123.5	<0.002	0.57	14.40	8.2	1	2.4	72.7	0.52	0.07	10.55	0.222
R615906		9.7	590	784	163.0	<0.002	2.65	65.8	7.8	1	4.4	158.0	0.62	0.18	11.30	0.251
R615907		16.3	600	83.0	92.5	<0.002	0.24	21.8	5.3	1	2.2	231	0.67	<0.05	9.71	0.245
R615908		11.4	680	21.7	7.5	<0.002	0.27	14.75	5.3	1	1.4	728	0.70	<0.05	8.87	0.258
R615909		13.8	320	148.0	42.9	0.005	0.68	85.0	4.3	1	2.0	341	0.48	<0.05	7.34	0.178
R615910		5.9	480	98.1	154.5	<0.002	0.93	29.9	8.3	1	2.1	62.4	0.49	<0.05	11.95	0.202
R615911		1.5	210	1.2	1.8	<0.002	<0.01	0.15	0.1	<1	<0.2	48.6	<0.05	<0.05	0.07	<0.005
R615912		3.1	590	15.6	68.9	<0.002	0.15	14.75	9.2	1	1.6	130.5	0.60	<0.05	10.85	0.250
R615913		2.5	570	38.4	128.5	<0.002	0.81	7.87	9.2	1	1.6	194.5	0.58	0.13	11.50	0.236
R615914		1.9	590	12.6	105.5	<0.002	0.10	11.50	9.6	<1	1.3	205	0.62	<0.05	13.00	0.238
R615915		2.1	580	110.0	163.5	<0.002	1.87	9.49	9.2	1	1.8	146.0	0.47	0.19	12.80	0.206
R615916		2.5	580	26.8	151.5	<0.002	0.49	7.32	9.5	1	1.8	145.5	0.50	0.05	13.45	0.216
R615917		2.3	600	10.3	151.0	<0.002	0.45	7.22	10.0	1	1.6	124.5	0.55	0.05	13.90	0.229
R615918		13.8	460	9670	132.0	<0.002	6.96	218	6.9	1	7.5	122.5	0.39	0.44	8.41	0.177
R615919		2.1	430	109.0	153.0	<0.002	2.95	15.45	7.9	<1	2.5	66.6	0.47	0.05	10.50	0.191
R615920		2.8	480	188.0	191.5	<0.002	1.76	33.3	8.3	<1	2.5	36.8	0.51	0.09	12.85	0.189
R615921		2.4	590	21.7	155.0	<0.002	0.44	9.35	9.7	<1	1.6	83.5	0.63	0.05	13.95	0.227
R615922		2.5	590	14.4	154.5	<0.002	0.44	10.80	10.1	1	1.7	80.6	0.60	<0.05	13.75	0.229
R615923		1.8	560	10.5	100.5	<0.002	0.22	11.10	8.7	<1	1.6	102.5	0.66	<0.05	10.70	0.234
R615924		2.0	540	42.4	156.5	<0.002	1.21	22.7	9.4	1	2.0	65.5	0.50	0.25	13.80	0.178
R615925		3.0	540	314	213	<0.002	2.69	17.40	10.6	1	3.2	34.2	0.37	0.35	11.85	0.163
R615926		15.5	510	1375	157.5	<0.002	3.17	35.4	8.5	1	6.0	147.0	0.61	0.33	11.80	0.210
R615927		3.7	550	739	238	<0.002	2.65	26.4	12.7	<1	5.4	29.4	0.39	0.15	12.60	0.156
R615928		2.4	420	388	181.0	0.003	4.46	86.9	6.4	1	6.1	18.4	0.35	0.42	8.86	0.153
R615929		2.2	550	124.5	193.0	<0.002	0.79	5.37	10.2	2	2.3	66.0	0.52	0.06	14.90	0.179
R615930		1.5	190	1.6	1.3	<0.002	0.01	0.09	0.2	<1	<0.2	47.3	<0.05	<0.05	0.08	<0.005
R615931		1.9	560	18.4	105.0	<0.002	0.37	7.10	9.3	1	2.1	106.5	0.65	0.05	13.50	0.230
R615932		2.3	560	15.3	121.5	<0.002	0.22	8.00	9.6	1	1.6	294	0.64	0.05	11.75	0.238
R615933		3.5	510	295	199.5	<0.002	1.61	34.0	10.1	1	4.3	45.7	0.58	0.14	13.25	0.215
R615934		3.2	540	298	190.5	<0.002	1.72	34.5	9.6	1	4.1	46.9	0.59	0.12	12.85	0.213
R615935		1.8	450	6150	140.0	<0.002	6.18	120.0	7.5	<1	16.5	50.2	0.48	0.22	8.99	0.185
R615936		2.1	600	72.5	168.5	<0.002	1.32	19.05	10.6	1	3.4	101.0	0.61	0.05	14.40	0.247
R615937		2.7	570	2050	195.5	<0.002	2.72	37.7	10.0	1	7.1	28.9	0.52	0.08	12.20	0.198
R615938		1.4	530	116.5	198.0	0.004	2.19	32.3	8.9	<1	3.6	31.5	0.55	0.22	13.65	0.193
R615939		2.4	550	12.8	135.0	<0.002	0.24	14.30	9.0	<1	1.4	111.5	0.63	<0.05	10.60	0.216

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CERTIFICATE OF ANALYSIS VA16127986

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615905		2.02	5.7	62	2.7	12.0	275	27.1	0.010
R615906		2.67	9.3	63	4.1	13.0	1480	86.9	0.441
R615907		1.56	8.1	50	1.7	11.0	295	133.5	0.112
R615908		0.87	8.3	48	5.7	10.3	72	103.0	0.007
R615909		1.21	13.2	36	6.2	12.5	248	93.6	0.052
R615910		2.67	6.4	57	5.4	11.2	323	24.2	0.014
R615911		0.02	0.5	1	0.1	0.8	16	<0.5	<0.005
R615912		1.41	4.2	69	2.6	14.5	82	27.0	0.007
R615913		1.59	4.6	66	2.3	14.0	75	25.4	0.019
R615914		1.42	2.6	66	4.1	14.1	51	27.1	<0.005
R615915		1.83	4.6	62	2.5	12.2	85	40.4	0.211
R615916		1.84	5.0	65	2.4	14.5	59	25.1	0.007
R615917		2.09	5.9	64	3.0	13.5	49	26.0	0.011
R615918		2.08	5.2	52	4.0	8.9	>10000	32.2	4.45
R615919		2.87	4.5	51	6.4	10.1	363	22.1	0.206
R615920		2.73	5.6	55	3.8	10.1	633	24.4	0.030
R615921		2.59	7.9	69	3.4	12.7	129	28.3	0.006
R615922		2.57	7.6	70	3.7	13.3	78	29.4	<0.005
R615923		2.06	4.0	64	2.5	11.8	120	28.6	<0.005
R615924		2.44	4.7	65	3.2	11.6	131	27.1	0.016
R615925		2.96	3.2	71	3.6	9.1	679	19.4	0.069
R615926		2.65	5.1	58	5.2	11.3	3070	40.3	0.790
R615927		3.12	3.7	72	4.4	10.4	1210	22.1	0.307
R615928		2.41	3.7	56	5.6	6.7	558	17.8	0.675
R615929		3.02	6.1	65	2.9	13.1	358	26.9	0.009
R615930		<0.02	0.7	1	0.2	0.8	17	<0.5	<0.005
R615931		2.12	5.2	66	2.7	12.6	122	30.0	<0.005
R615932		1.47	4.8	67	1.6	15.1	51	30.6	<0.005
R615933		3.33	6.9	62	7.1	11.7	346	28.8	0.080
R615934		3.31	6.9	62	6.9	9.8	322	26.7	0.082
R615935		3.06	4.8	53	6.6	8.2	6670	22.0	3.08
R615936		2.38	3.7	67	4.2	13.1	158	29.9	0.089
R615937		3.29	4.4	62	14.4	6.9	2950	24.3	0.216
R615938		3.17	5.8	57	7.7	8.5	255	26.2	0.084
R615939		2.35	4.7	64	2.0	12.8	57	31.7	<0.005

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127986

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	BAG-01
CRU-32	CRU-QC	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

ALS Canada Ltd.

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Finalized Date: 3-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127989

Project: Klaza

P.O. No.: Batch 99

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

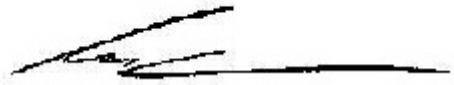
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16127989

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
R615940		1.48			1.825	52.0	5.19	670	630	1.34	73.4	1.97	275	40.4	9.4	13
R615941		4.30				0.64	7.04	544	1870	1.57	0.40	2.06	1.90	44.2	7.4	14
R615942		1.98				8.44	5.93	4840	400	1.28	6.62	3.14	11.40	37.1	5.6	11
R615943		3.06				0.40	5.82	126.0	1800	1.01	0.32	2.18	1.63	14.50	2.4	22
R615944		2.42				0.41	6.58	16.7	1900	1.70	0.42	3.07	0.84	22.5	4.2	16
R615945		2.72				2.91	7.07	1810	2380	1.52	2.73	2.41	0.58	33.2	4.5	14
R615946		0.32	119	0.985	1.675	>100	5.54	8370	490	1.13	58.3	2.03	236	30.8	10.1	19
R615947		6.76				1.96	7.00	72.2	2400	1.78	0.73	2.66	6.11	24.2	3.0	16
R615948		3.72				0.63	7.29	56.2	2040	1.94	0.50	2.40	1.89	54.9	6.7	14
R615949		5.12				3.09	7.16	220	910	1.66	1.52	2.03	27.1	53.6	9.9	13
R615950		1.40				2.78	5.13	248	480	1.24	1.91	5.09	11.55	49.7	8.9	10
R615951		2.34				1.76	7.20	160.0	720	1.44	1.68	1.15	12.35	35.3	8.4	13
R615952		1.30				5.55	6.13	234	520	1.46	2.71	2.44	25.4	18.45	10.6	11
R615953		5.96				0.01	0.07	<0.2	30	0.08	0.03	22.6	0.09	1.29	0.9	1
R615954		1.28				0.38	7.22	52.4	3960	1.60	0.27	3.35	1.24	37.3	4.3	12
R615955		1.42				0.25	7.53	183.5	2650	1.47	0.24	2.83	0.38	51.6	10.0	13
R615956		2.00				0.16	7.41	32.3	2360	1.46	0.22	2.08	0.15	49.0	4.8	12
R615957		1.20				0.16	7.39	34.2	2540	1.69	0.23	2.09	0.13	50.2	5.1	11
R615958		4.84				0.12	7.39	10.9	2360	1.76	0.21	2.38	0.16	46.2	5.2	11
R615959		5.42				0.24	7.18	21.8	2470	1.65	0.29	2.68	0.82	51.6	4.4	14
R615960		0.34				4.44	6.60	725	490	1.53	3.22	2.09	11.05	41.2	12.7	25
R615961		2.00				1.89	7.14	88.9	1700	1.55	2.72	1.39	20.2	38.3	4.8	11
R615962		1.40		0.979	2.29	47.7	4.23	386	1360	0.87	47.3	2.04	328	14.10	9.7	15
R615963		1.12				0.58	7.49	74.7	1540	1.77	0.45	1.81	4.45	42.5	3.6	12
R615964		1.98				0.98	5.93	117.5	710	1.35	0.46	2.91	6.15	24.0	14.3	10
R615965		2.36				0.99	7.07	60.1	2590	1.72	0.89	1.69	2.60	52.9	3.3	13
R615966		5.04				0.11	6.92	15.5	2400	1.73	0.13	2.25	0.26	43.6	3.2	15
R615967		1.12				0.83	6.40	100.0	2830	1.57	0.85	3.90	0.92	68.3	2.9	9
R615968		5.96				0.02	0.08	<0.2	40	0.11	0.04	21.5	0.08	1.25	0.7	1
R615969		3.14				1.13	7.32	75.1	1860	1.51	0.98	1.50	7.34	60.5	3.5	14
R615970		1.28				1.01	7.24	136.5	990	1.47	1.17	1.55	2.93	57.6	3.2	14
R615971		<0.02				1.00	7.58	141.0	1050	1.67	1.21	1.58	3.00	63.1	3.3	17
R615972		2.46				2.50	6.20	330	550	1.33	3.71	0.79	1.29	48.7	4.3	17
R615973		3.06				3.35	6.31	246	510	1.64	5.88	1.39	9.02	50.3	4.7	11
R615974		2.12				0.96	6.40	56.2	860	2.05	1.44	0.83	0.75	68.2	6.0	24
R615975		3.20				0.15	6.62	71.3	860	1.80	0.15	1.74	0.25	67.6	5.5	21

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127989

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615940		6.33	1165	7.43	12.35	0.09	0.7	5.10	2.62	22.7	11.1	0.75	7920	6.51	0.03	4.0
R615941		17.85	21.2	3.13	16.30	0.13	1.1	0.081	3.30	24.0	51.5	0.75	1180	1.98	0.07	7.5
R615942		9.43	391	5.80	12.90	0.08	0.8	0.514	2.85	21.0	9.6	1.17	3030	5.88	0.03	4.6
R615943		5.82	11.5	1.53	13.60	0.09	0.7	0.036	2.81	7.1	14.0	0.71	1100	28.4	0.04	4.1
R615944		8.33	12.9	2.03	16.10	0.11	1.0	0.036	3.21	10.4	22.8	0.72	792	8.23	0.20	5.8
R615945		9.46	140.0	3.35	15.20	0.11	1.0	0.062	3.00	17.5	25.0	0.76	606	7.24	0.80	6.4
R615946		11.00	1335	8.43	13.45	0.11	1.1	4.80	2.40	16.2	30.1	0.67	3210	15.90	0.09	5.7
R615947		7.49	53.7	2.27	16.75	0.10	0.9	0.114	3.58	11.1	20.4	0.89	1010	13.30	0.06	5.9
R615948		11.75	30.3	2.92	17.20	0.13	1.1	0.064	3.34	32.3	52.9	0.87	1120	2.02	0.06	6.3
R615949		11.60	37.8	4.20	15.45	0.14	0.9	0.286	3.44	34.1	12.6	0.87	1640	7.87	0.04	4.9
R615950		9.12	32.3	3.79	12.35	0.09	0.6	0.357	2.52	31.1	21.1	0.68	1100	34.6	0.03	3.8
R615951		6.59	15.6	5.06	16.55	0.13	0.8	0.474	3.62	18.9	9.2	0.70	2950	20.6	0.04	5.1
R615952		6.31	160.5	4.96	13.60	0.10	0.7	0.520	3.09	7.7	9.3	1.04	2650	13.60	0.04	4.3
R615953		0.21	2.2	0.49	0.22	0.06	<0.1	0.005	0.03	0.6	1.1	13.70	226	0.11	0.01	0.2
R615954		11.50	7.1	2.65	15.30	0.08	1.0	0.086	3.62	18.7	12.2	1.22	2120	9.78	0.04	5.9
R615955		13.90	2.5	2.58	16.80	0.13	1.1	0.035	3.55	29.1	18.0	1.10	1080	3.09	0.05	6.5
R615956		16.40	2.8	2.77	17.35	0.14	1.3	0.028	3.27	28.2	64.9	0.65	593	2.69	0.09	7.9
R615957		18.25	3.8	2.96	17.30	0.12	1.2	0.031	3.34	29.5	62.0	0.71	611	1.78	0.12	7.5
R615958		13.40	4.2	3.11	17.35	0.12	1.1	0.039	3.18	25.6	39.6	0.67	492	2.81	0.71	7.7
R615959		9.99	2.2	2.24	16.35	0.14	0.9	0.039	3.50	30.6	36.7	0.86	966	2.96	0.10	5.6
R615960		12.55	313	5.11	15.40	0.11	1.1	0.314	2.98	22.5	24.0	0.78	1940	14.90	0.15	6.3
R615961		6.98	26.9	3.68	15.05	0.10	0.9	0.716	3.53	21.1	10.3	0.69	1710	3.75	0.04	5.7
R615962		6.05	342	8.83	11.15	0.08	0.5	3.50	1.99	6.1	13.0	0.76	2140	5.46	0.03	4.2
R615963		7.91	6.6	3.77	14.60	0.11	0.8	0.391	3.71	23.3	9.7	0.80	3190	1.46	0.04	6.1
R615964		8.43	18.7	4.22	12.70	0.09	0.8	0.082	2.89	15.0	8.4	1.06	3660	7.13	0.04	2.6
R615965		13.95	24.8	3.84	15.45	0.12	0.9	0.186	3.29	29.7	30.3	0.72	1420	1.54	0.04	6.4
R615966		9.69	2.1	2.21	16.55	0.15	0.8	0.032	3.35	23.0	47.1	0.87	841	2.86	0.05	5.3
R615967		10.00	20.7	2.96	13.70	0.15	0.7	0.146	3.10	42.4	13.9	1.56	2490	2.56	0.03	4.8
R615968		0.20	2.0	0.47	0.21	0.12	<0.1	0.006	0.03	0.6	1.2	13.15	204	0.54	0.01	0.3
R615969		14.20	33.7	3.42	15.80	0.15	0.8	0.360	3.21	34.9	80.0	0.74	1340	5.17	0.04	5.9
R615970		16.55	18.6	3.59	15.65	0.15	0.9	0.099	3.39	32.7	18.4	0.73	1340	2.96	0.04	6.0
R615971		16.70	21.8	3.68	16.20	0.16	0.8	0.111	3.53	35.8	20.7	0.75	1330	2.39	0.04	6.0
R615972		8.07	11.4	7.11	14.40	0.16	0.7	0.112	2.98	27.0	12.6	0.53	1180	5.83	0.03	5.4
R615973		19.10	64.2	6.08	14.50	0.16	0.9	0.548	2.91	28.6	15.2	0.77	2260	9.52	0.03	5.5
R615974		22.0	28.8	2.46	16.15	0.17	3.7	0.048	2.07	36.8	129.5	0.44	822	6.43	0.04	9.1
R615975		22.2	4.1	2.62	16.15	0.14	4.0	0.035	2.36	36.7	121.5	0.68	1120	2.04	0.04	9.5

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CERTIFICATE OF ANALYSIS VA16127989

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615940		3.3	400	1190	157.0	0.002	6.83	59.2	7.7	2	3.7	59.2	0.32	0.33	7.91	0.131
R615941		2.8	580	62.5	132.0	<0.002	0.70	14.45	10.4	1	1.6	112.5	0.59	<0.05	11.20	0.231
R615942		2.6	470	399	176.0	0.002	3.58	58.8	8.4	1	3.2	61.0	0.37	0.09	9.95	0.152
R615943		2.5	400	47.1	149.5	0.004	0.29	7.04	7.3	1	1.2	71.9	0.33	<0.05	9.03	0.132
R615944		2.3	610	31.8	110.0	<0.002	0.32	5.02	9.3	1	1.5	114.5	0.46	<0.05	9.35	0.193
R615945		2.1	580	113.0	106.0	<0.002	1.03	21.6	9.1	1	1.6	192.0	0.55	<0.05	10.05	0.210
R615946		14.9	480	>10000	135.0	0.002	7.34	233	7.8	1	9.0	123.0	0.43	0.49	7.99	0.191
R615947		1.9	590	211	136.5	0.004	0.62	8.64	8.6	1	1.5	84.6	0.51	0.06	10.15	0.194
R615948		2.5	610	161.5	141.5	<0.002	0.87	18.10	10.5	<1	1.9	99.9	0.54	0.07	11.95	0.194
R615949		2.6	550	989	208	0.002	2.86	18.85	9.9	1	3.1	44.5	0.40	0.20	10.90	0.160
R615950		2.3	410	620	160.5	0.003	2.92	61.2	7.3	1	3.4	115.5	0.29	0.15	8.14	0.128
R615951		2.7	570	690	220	0.006	2.64	17.00	9.9	1	2.7	23.0	0.39	0.14	12.05	0.170
R615952		1.6	490	1930	196.5	0.002	2.91	38.9	9.9	1	3.6	59.9	0.35	0.16	10.30	0.143
R615953		1.1	200	2.8	1.4	<0.002	<0.01	0.09	0.2	1	<0.2	48.6	<0.05	<0.05	0.10	<0.005
R615954		1.3	560	111.0	153.0	0.003	0.65	8.16	9.0	1	1.8	84.8	0.48	<0.05	11.50	0.188
R615955		2.0	600	26.0	161.0	<0.002	0.74	6.96	10.6	1	1.4	87.5	0.55	0.08	13.25	0.210
R615956		2.0	640	14.1	112.5	<0.002	0.36	11.90	9.8	1	1.4	151.0	0.72	<0.05	11.05	0.240
R615957		2.2	620	12.0	119.5	<0.002	0.40	10.10	10.3	1	1.5	147.5	0.67	<0.05	11.10	0.230
R615958		2.2	650	16.6	108.5	<0.002	0.25	7.26	11.0	1	1.8	199.0	0.58	<0.05	10.65	0.252
R615959		2.9	610	34.9	122.0	0.002	0.58	4.47	9.8	1	1.5	99.2	0.47	0.05	11.00	0.195
R615960		14.6	540	494	143.5	0.003	2.76	27.9	9.3	1	5.8	108.0	0.49	0.34	9.78	0.207
R615961		1.5	440	106.0	179.0	<0.002	1.53	7.53	8.7	1	2.7	32.3	0.56	0.06	13.50	0.157
R615962		2.3	390	10000	109.5	0.004	9.47	51.3	10.3	1	23.6	46.2	0.34	0.26	6.51	0.110
R615963		2.0	570	165.0	190.0	<0.002	1.22	3.90	9.6	1	2.6	43.5	0.51	<0.05	12.10	0.192
R615964		12.5	150	120.5	155.0	0.006	2.00	8.09	3.6	1	1.1	53.4	0.51	0.07	18.10	0.058
R615965		2.0	510	137.5	155.0	<0.002	0.86	12.60	8.7	1	3.5	64.7	0.67	<0.05	15.45	0.186
R615966		2.3	570	12.4	128.0	0.002	0.22	6.26	9.5	1	1.2	84.9	0.48	<0.05	10.70	0.188
R615967		1.9	490	66.1	191.0	<0.002	1.11	13.50	7.8	1	1.3	99.1	0.41	<0.05	11.25	0.151
R615968		1.5	190	1.5	1.4	<0.002	<0.01	0.09	0.2	1	<0.2	48.6	<0.05	<0.05	0.10	<0.005
R615969		2.1	540	323	202	<0.002	0.90	26.8	9.4	<1	1.9	67.8	0.54	0.05	13.90	0.196
R615970		2.4	570	92.9	223	0.004	1.82	10.80	9.1	1	3.1	48.0	0.54	<0.05	14.00	0.207
R615971		2.9	580	92.4	236	<0.002	1.82	10.55	9.7	1	3.1	50.6	0.54	<0.05	14.90	0.212
R615972		3.5	460	201	219	<0.002	6.19	21.5	8.6	1	5.1	19.7	0.46	0.10	9.94	0.179
R615973		3.0	480	171.5	184.5	<0.002	2.85	40.3	8.7	1	4.2	50.3	0.50	0.06	11.05	0.192
R615974		7.0	900	36.8	83.0	<0.002	0.17	62.3	5.6	1	1.3	470	0.60	<0.05	8.62	0.304
R615975		6.5	1050	10.8	91.1	<0.002	0.11	28.9	6.2	1	1.2	409	0.64	<0.05	8.67	0.321

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127989

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615940		2.43	5.7	47	9.5	8.2	>10000	17.9	1.180
R615941		2.67	4.9	67	5.0	13.2	176	29.6	0.118
R615942		2.65	4.0	56	5.3	8.6	917	20.2	2.48
R615943		2.19	3.2	52	3.3	6.9	151	17.5	0.048
R615944		2.39	6.7	67	3.3	8.7	103	26.1	<0.005
R615945		1.69	4.3	66	2.1	11.7	73	26.2	0.999
R615946		2.47	5.2	55	4.8	9.0	>10000	33.7	4.28
R615947		2.70	5.5	64	3.0	8.6	453	24.8	0.019
R615948		2.46	5.6	69	3.8	11.3	184	28.9	0.022
R615949		2.74	3.5	68	3.5	9.1	2060	21.5	0.199
R615950		2.17	5.9	55	2.9	7.7	945	16.6	0.208
R615951		3.32	2.8	63	2.8	6.6	943	21.7	0.096
R615952		2.69	3.0	50	3.1	6.4	1950	19.2	0.127
R615953		<0.02	0.9	3	0.1	0.8	21	<0.5	<0.005
R615954		3.16	5.7	63	3.2	10.5	138	26.6	0.019
R615955		2.91	5.1	70	4.9	12.5	65	28.1	0.041
R615956		2.18	5.8	70	3.5	11.2	60	33.8	0.011
R615957		2.30	6.4	70	3.4	11.4	61	33.1	0.011
R615958		1.76	5.2	78	2.2	14.4	54	28.3	<0.005
R615959		2.62	3.6	71	2.6	10.9	108	23.7	0.005
R615960		2.73	4.7	67	5.7	11.0	884	30.7	0.338
R615961		3.04	4.3	47	3.2	8.4	1440	21.8	0.050
R615962		2.08	2.9	55	3.2	7.7	>10000	13.4	0.444
R615963		3.23	6.1	72	3.1	9.8	459	22.0	0.038
R615964		2.76	5.0	64	1.9	8.3	546	16.5	0.090
R615965		2.56	6.2	59	3.0	11.2	285	25.1	0.009
R615966		2.13	3.8	67	1.7	11.8	65	24.3	<0.005
R615967		2.86	4.2	60	2.3	13.6	109	25.4	0.057
R615968		0.03	0.5	2	0.1	0.8	17	<0.5	<0.005
R615969		2.59	4.7	65	3.1	11.4	640	23.7	0.112
R615970		3.07	5.9	63	4.3	11.6	299	25.4	0.056
R615971		3.14	5.9	66	4.2	12.3	310	26.1	0.054
R615972		2.81	3.0	55	7.2	6.6	134	22.6	0.365
R615973		2.68	6.9	59	6.5	7.9	759	29.5	0.171
R615974		1.27	15.0	59	2.5	15.6	107	168.0	0.023
R615975		1.42	11.9	59	2.7	14.8	83	179.0	<0.005

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 3-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127989

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16127990

Project: Klaza

P.O. No.: Batch 100

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

ANALYTICAL PROCEDURES

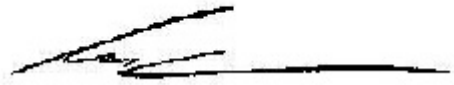
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127990

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R615976		2.66				0.77	7.10	74.6	1520	1.79	0.92	1.67	2.80	47.4	5.0	20
R615977		1.24				8.25	7.17	159.0	1390	1.72	8.86	1.77	4.57	50.6	5.3	20
R615978		6.44				0.08	7.39	9.8	2680	1.63	0.18	2.37	0.17	59.9	4.3	18
R615979		1.50				14.85	6.15	472	2390	1.38	22.5	1.22	9.61	66.7	8.7	20
R615980		5.96				0.03	0.06	<0.2	20	0.06	0.05	20.8	0.07	1.11	0.6	1
R615981		2.54				0.40	7.06	26.9	2440	1.34	0.55	2.91	2.13	44.2	4.9	18
R615982		5.28				3.36	7.71	128.0	2200	1.54	5.12	2.23	8.88	66.8	6.6	20
R615983		3.84				0.08	7.59	10.3	2880	1.47	0.16	2.72	0.17	45.7	6.4	23
R615984		0.34				4.59	7.00	733	880	1.46	3.24	2.17	10.60	50.0	11.8	26
R615985		1.48				6.06	7.07	262	770	1.63	2.67	1.75	39.4	48.4	5.5	20
R615986		4.62				0.65	7.17	44.1	2020	1.41	0.31	2.20	3.15	43.3	4.8	19
R615987		2.22				10.95	4.00	428	880	0.86	1.73	5.08	51.5	42.2	6.2	13
R615988		6.00				0.03	0.06	0.6	70	0.05	0.03	21.2	0.14	1.10	0.6	1
R615989		5.70				1.68	7.88	173.0	1820	1.40	1.25	1.79	6.74	63.2	5.5	18
R615990		2.34				1.49	8.06	207	2350	1.64	0.60	2.49	17.00	55.6	5.3	20
R615991		1.96				6.80	6.65	435	1120	1.33	3.17	3.86	80.2	51.4	5.2	20
R615992		2.52				0.10	7.63	8.9	2730	1.74	0.16	2.77	0.27	50.7	4.1	17
R615993		1.28				1.41	8.22	153.5	2090	1.74	0.51	2.01	14.00	62.2	4.5	18
R615994		1.72				0.19	7.79	18.1	970	1.78	0.41	2.57	0.28	54.4	6.3	14
R615995		4.84				0.54	7.78	182.0	1150	1.71	0.41	2.75	3.09	48.0	5.6	17
R615996		3.18				15.50	7.41	315	850	1.50	18.30	1.35	37.8	57.1	8.7	19
R615997		2.36				1.60	7.05	97.0	910	1.71	1.84	1.50	6.06	52.8	6.1	19
R615998		1.64				1.45	7.47	91.0	730	1.80	1.81	1.66	4.27	56.3	6.4	19
R615999		1.82				1.10	7.57	239	670	1.91	1.20	2.15	4.87	56.0	5.9	16
R616000		1.58				0.69	7.26	58.9	910	1.84	0.73	1.80	1.77	39.5	5.4	17
R616001		6.00				0.98	6.82	161.0	2670	1.72	1.24	1.89	2.43	51.7	4.4	15
R616002		2.22				0.48	7.78	23.5	1490	1.75	0.57	1.96	0.37	50.5	6.6	13
R616003		<0.02				0.40	7.32	23.2	1430	1.71	0.52	1.92	0.40	42.6	6.6	13
R616004		1.60			1.290	33.6	3.97	960	740	0.94	32.5	5.13	205	25.2	4.5	11
R616005		2.62				0.61	6.77	129.5	2240	1.58	0.67	2.70	1.12	35.5	6.1	16
R616006		4.22				0.31	7.10	30.9	2560	1.45	0.31	2.08	1.38	36.8	6.4	18
R616007		2.00				0.09	7.91	9.7	2280	1.34	0.19	1.69	0.25	40.6	4.6	15
R616008		1.38	107		1.465	>100	6.47	324	1430	1.68	170.0	1.14	233	41.3	4.5	17
R616009		0.32	121	0.994	1.580	>100	5.61	8530	1250	1.46	64.2	2.03	235	31.9	9.1	20
R616010		1.32				0.44	8.22	31.8	2620	1.26	0.42	1.47	0.79	44.4	7.0	16
R616011		3.44				0.66	6.67	553	2090	1.47	0.66	3.00	3.86	36.6	4.0	19

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127990

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R615976		19.85	11.0	3.84	16.25	0.12	1.3	0.112	3.18	24.4	105.5	0.61	1350	5.91	0.06	7.2
R615977		18.05	197.0	4.41	16.05	0.11	1.2	0.286	3.29	28.7	80.8	0.73	904	2.22	0.07	6.8
R615978		16.40	3.5	3.12	16.55	0.15	1.0	0.039	3.31	34.6	80.9	0.68	548	2.20	0.79	6.9
R615979		7.98	331	7.70	13.65	0.13	0.6	0.575	3.03	39.6	15.8	0.52	1010	10.40	0.04	4.0
R615980		0.14	0.7	0.47	0.20	0.14	<0.1	0.007	0.02	0.6	1.4	13.45	204	0.09	<0.01	0.1
R615981		8.30	9.3	3.15	16.30	0.13	0.9	0.156	3.70	22.1	10.2	0.74	1200	2.44	0.69	5.6
R615982		16.35	41.9	4.22	17.30	0.13	0.9	0.212	3.38	38.5	41.2	0.83	938	1.93	0.27	6.7
R615983		16.75	4.3	3.37	17.30	0.12	1.1	0.046	3.26	23.6	31.8	0.73	444	2.09	1.15	7.5
R615984		13.15	321	5.34	15.60	0.13	1.1	0.321	3.10	28.7	24.7	0.84	2010	14.05	0.15	5.8
R615985		20.3	265	5.05	15.35	0.10	1.0	0.564	3.25	26.8	11.6	0.79	1260	8.42	0.03	6.6
R615986		14.15	18.4	2.86	16.15	0.12	1.0	0.102	3.24	22.5	37.4	0.62	1060	3.79	0.08	6.7
R615987		8.55	58.4	5.91	11.20	0.10	0.4	0.399	1.87	24.7	18.4	0.72	2680	32.6	0.02	2.8
R615988		0.14	0.6	0.47	0.21	0.13	<0.1	0.006	0.03	0.5	1.3	13.30	207	0.16	<0.01	0.1
R615989		11.30	58.3	5.23	17.70	0.13	0.9	0.585	3.91	36.1	11.2	0.94	2310	2.89	0.04	5.2
R615990		16.45	32.1	4.05	17.15	0.13	1.3	0.114	3.97	29.3	28.6	0.86	949	1.46	0.20	8.0
R615991		8.44	52.7	6.50	14.95	0.12	0.8	1.345	3.22	29.8	16.3	0.78	1080	1.20	0.04	3.7
R615992		9.65	5.7	2.93	17.20	0.12	1.2	0.035	3.47	26.8	11.8	0.73	497	1.52	1.68	7.3
R615993		18.50	14.2	3.45	17.65	0.13	0.9	0.219	3.72	35.2	75.6	0.69	971	1.92	0.10	7.0
R615994		31.7	16.4	2.97	16.25	0.11	1.2	0.056	2.69	29.5	170.0	0.92	946	2.93	0.05	7.6
R615995		26.1	24.2	3.19	17.40	0.13	1.0	0.174	3.37	24.5	32.5	1.00	1560	1.71	0.03	7.3
R615996		16.65	941	5.74	16.65	0.12	0.9	0.879	2.71	31.1	39.7	0.74	1560	4.67	0.04	6.5
R615997		19.15	29.9	5.19	15.45	0.13	0.9	0.295	3.19	29.2	18.3	0.88	2140	2.31	0.03	6.0
R615998		20.6	23.4	5.38	16.70	0.12	0.9	0.279	3.39	31.0	14.1	0.96	2570	2.62	0.03	6.8
R615999		24.3	27.9	4.36	16.55	0.13	1.0	0.202	3.17	31.4	35.7	0.97	2300	2.92	0.03	6.8
R616000		22.4	30.9	3.19	16.50	0.11	1.0	0.135	3.18	18.9	86.9	0.71	1600	1.32	0.03	6.7
R616001		19.50	27.9	3.97	15.05	0.13	0.8	0.236	2.99	28.4	23.9	0.83	1760	4.94	0.03	5.9
R616002		25.4	18.6	3.20	17.15	0.12	1.2	0.069	2.61	27.1	108.0	0.77	1260	2.71	0.04	7.5
R616003		23.7	17.5	3.10	16.70	0.11	1.1	0.063	2.52	22.0	106.5	0.72	1230	2.89	0.04	7.3
R616004		5.16	232	9.25	12.05	0.09	0.6	1.915	1.85	8.9	12.8	1.82	5390	15.70	0.02	3.5
R616005		14.80	26.1	3.88	16.30	0.05	0.8	0.141	2.92	16.6	79.4	0.71	1710	4.36	0.03	6.0
R616006		13.85	14.0	2.96	16.05	0.06	1.0	0.056	1.74	17.0	306	0.65	1260	2.53	0.03	7.2
R616007		13.70	6.8	2.99	19.20	0.06	1.2	0.053	3.12	17.7	57.1	0.40	555	1.61	0.11	8.5
R616008		12.00	487	6.63	15.60	0.08	0.7	1.255	2.96	20.9	14.3	0.68	1460	14.55	0.03	4.4
R616009		10.45	1300	8.41	12.85	0.08	1.1	4.52	2.40	15.6	30.5	0.66	3120	14.90	0.09	5.4
R616010		11.55	7.4	2.71	17.15	0.08	1.1	0.053	3.13	20.0	77.1	0.59	710	2.07	0.09	7.6
R616011		15.30	16.2	2.75	14.75	0.07	0.9	0.133	3.04	16.3	23.0	1.04	2880	9.22	0.03	6.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127990

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R615976		1.6	560	141.0	143.5	<0.002	1.19	26.3	8.9	1	3.0	136.5	0.60	<0.05	11.75	0.246
R615977		1.4	520	207	162.5	<0.002	1.99	40.8	8.5	1	4.1	142.5	0.69	<0.05	12.10	0.223
R615978		1.1	630	14.5	132.0	<0.002	0.10	11.55	9.6	1	1.8	242	0.55	<0.05	10.65	0.259
R615979		1.7	440	362	159.5	0.002	7.19	103.5	7.6	1	3.9	43.1	0.31	0.45	9.48	0.146
R615980		0.2	170	0.9	0.9	<0.002	0.01	0.25	0.1	<1	<0.2	48.5	<0.05	<0.05	0.10	<0.005
R615981		1.6	620	36.2	135.0	<0.002	0.52	4.64	8.9	1	2.0	168.5	0.58	0.05	9.08	0.220
R615982		1.5	640	194.0	153.5	<0.002	1.13	14.30	9.8	1	2.8	126.0	0.54	<0.05	12.90	0.239
R615983		1.5	620	16.0	108.5	<0.002	0.14	9.42	9.3	1	2.2	252	0.59	<0.05	10.35	0.273
R615984		13.4	550	516	163.5	0.005	2.87	28.3	8.5	1	5.6	114.5	0.49	0.35	11.10	0.219
R615985		1.5	540	689	181.5	<0.002	3.28	39.6	9.2	1	5.2	47.3	0.55	0.09	11.90	0.234
R615986		1.0	590	124.0	124.0	<0.002	0.62	17.40	8.8	1	2.7	101.5	0.54	<0.05	10.40	0.242
R615987		2.0	260	4570	105.0	0.004	5.88	70.2	4.8	1	12.9	70.1	0.24	<0.05	6.83	0.098
R615988		0.3	170	6.2	1.0	<0.002	0.01	0.14	0.1	1	<0.2	49.4	<0.05	<0.05	0.07	<0.005
R615989		1.6	590	216	227	<0.002	1.83	26.0	8.9	1	4.6	50.4	0.47	0.13	13.20	0.192
R615990		1.3	610	232	178.0	<0.002	0.81	9.78	9.9	1	4.0	142.0	0.67	<0.05	13.75	0.273
R615991		1.2	460	1330	190.5	<0.002	5.96	13.70	7.4	1	2.2	93.3	0.37	0.06	10.65	0.143
R615992		1.4	600	16.9	137.5	<0.002	0.13	3.89	9.2	1	1.7	307	0.65	<0.05	12.30	0.240
R615993		1.0	640	363	173.5	<0.002	1.23	14.50	10.0	1	4.0	120.0	0.55	0.06	12.75	0.256
R615994		1.3	580	12.8	123.0	<0.002	0.20	26.1	9.6	1	2.5	129.0	0.72	<0.05	15.50	0.249
R615995		1.5	610	90.7	171.5	<0.002	0.80	17.25	10.3	1	2.5	102.5	0.63	<0.05	12.45	0.260
R615996		1.7	580	669	146.5	<0.002	2.50	93.3	9.8	1	5.4	62.4	0.50	0.46	12.90	0.238
R615997		1.5	540	180.0	185.5	<0.002	1.42	11.95	9.4	1	4.1	46.0	0.50	0.10	12.70	0.216
R615998		1.4	580	144.5	204	<0.002	1.24	11.75	10.5	1	4.5	51.7	0.54	0.08	12.85	0.241
R615999		1.4	550	154.0	177.0	<0.002	0.95	15.50	10.1	1	3.6	87.5	0.56	<0.05	13.60	0.246
R616000		1.3	590	85.4	138.5	<0.002	0.64	18.85	9.3	1	2.8	94.8	0.58	<0.05	10.75	0.235
R616001		1.1	500	66.2	162.5	<0.002	0.98	27.5	8.8	1	3.5	96.3	0.52	0.06	12.85	0.207
R616002		1.5	630	26.0	117.0	<0.002	0.26	29.4	10.4	1	2.4	122.0	0.61	<0.05	12.30	0.268
R616003		1.5	600	25.8	101.0	<0.002	0.24	28.5	10.0	1	2.3	120.5	0.59	<0.05	10.65	0.260
R616004		1.1	290	5590	117.0	0.002	8.21	53.6	5.5	1	20.8	76.9	0.29	1.26	5.41	0.119
R616005		10.5	500	93.9	136.5	0.003	1.03	21.8	8.6	1	3.7	69.4	0.43	<0.05	8.37	0.211
R616006		3.6	580	189.5	68.8	0.004	0.38	26.3	9.8	1	1.8	153.0	0.52	<0.05	8.86	0.252
R616007		2.3	670	22.4	115.5	0.006	0.06	14.15	11.6	1	1.9	110.5	0.61	<0.05	9.64	0.297
R616008		2.5	370	9220	189.5	0.003	4.81	74.8	6.5	<1	24.3	40.3	0.37	<0.05	7.96	0.143
R616009		14.0	460	>10000	137.5	0.004	7.37	224	6.9	1	8.4	124.0	0.40	0.50	8.09	0.189
R616010		4.4	660	40.4	117.0	<0.002	0.27	18.00	10.6	<1	1.7	105.5	0.56	<0.05	10.65	0.281
R616011		2.2	490	109.0	165.5	0.002	0.90	42.1	8.6	1	2.4	78.1	0.46	0.07	10.70	0.208

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16127990

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R615976		2.68	7.0	68	4.6	12.4	317	37.9	0.031
R615977		2.24	5.5	61	3.9	12.9	386	31.7	0.077
R615978		1.81	4.3	72	1.9	14.9	52	29.9	<0.005
R615979		2.37	6.0	54	3.1	8.6	769	17.2	0.661
R615980		0.02	0.7	2	0.1	0.7	18	<0.5	<0.005
R615981		2.28	4.1	70	1.8	12.2	223	23.5	0.010
R615982		2.25	6.0	74	3.2	13.9	665	26.2	0.110
R615983		1.61	3.6	73	1.4	15.0	46	29.4	<0.005
R615984		2.52	4.9	68	5.9	12.2	916	31.6	0.352
R615985		3.12	3.8	63	7.4	11.9	2660	27.4	0.183
R615986		2.17	4.3	67	2.9	13.4	279	27.5	0.017
R615987		1.88	12.1	38	5.5	15.2	3590	11.6	0.356
R615988		0.02	0.5	2	0.1	0.8	23	<0.5	<0.005
R615989		3.44	5.9	66	3.6	11.0	638	26.8	0.067
R615990		2.47	4.8	73	4.0	16.9	891	35.1	0.077
R615991		2.45	5.5	58	1.9	11.8	5270	22.6	0.627
R615992		1.78	5.5	70	1.7	14.8	57	34.6	<0.005
R615993		2.48	6.8	73	4.2	14.0	1070	27.0	0.091
R615994		1.90	4.0	68	3.8	16.0	57	31.4	0.006
R615995		3.36	5.3	72	6.2	15.1	312	28.6	0.071
R615996		2.25	4.3	66	5.5	13.1	2650	25.1	0.127
R615997		3.18	3.7	63	5.0	11.4	548	24.2	0.036
R615998		3.50	3.9	69	6.1	13.0	413	25.9	0.047
R615999		3.19	4.3	68	3.8	14.2	403	26.6	0.068
R616000		3.35	4.4	67	4.0	11.5	197	28.4	0.031
R616001		2.76	6.0	58	5.9	12.5	242	24.7	0.051
R616002		2.40	5.1	73	5.2	14.5	66	33.2	0.006
R616003		2.36	4.9	73	5.2	13.0	65	30.0	0.006
R616004		1.70	3.9	39	6.1	7.3	>10000	14.0	0.808
R616005		2.87	6.7	62	5.0	10.0	130	22.4	0.063
R616006		1.69	4.1	66	5.5	11.1	164	25.5	0.023
R616007		1.72	2.7	80	5.1	14.0	43	28.2	<0.005
R616008		3.06	4.6	44	5.1	7.7	>10000	17.5	0.175
R616009		2.39	5.1	54	4.5	8.8	>10000	28.6	4.39
R616010		1.91	3.2	61	5.0	14.6	78	24.8	0.006
R616011		3.63	3.6	58	6.1	11.0	385	20.9	0.195

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16127990

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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1016 - 510 W HASTINGS STREET
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Finalized Date: 9-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129499

Project: Klaza

P.O. No.: Batch 92

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

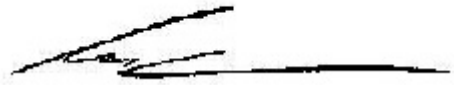
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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Finalized Date: 9-SEP-2016
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CERTIFICATE OF ANALYSIS VA16129499

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-GRA22 Au ppm 0.05	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02
K292801		4.36					1.100		33.2	2.51	2130	1170	0.62	31.0	3.48	127.0
K292802		4.22	10.15	359	0.984		1.200		>100	1.76	4100	520	0.40	591	0.56	205
K292803		1.50		175	2.33	1.340	4.83		>100	2.51	1040	130	0.64	150.5	4.32	572
K292804		1.30		271	1.145		2.37		>100	2.80	3400	120	1.07	859	4.59	334
K292805		6.04							0.15	0.08	1.1	50	0.05	0.23	20.5	0.37
K292806		1.72							2.35	3.32	132.0	260	1.05	1.16	0.82	8.56
K292807		2.90							1.85	5.08	204	150	1.06	1.04	3.99	14.75
K292808		1.98						1.460	37.9	3.17	>10000	180	0.84	53.2	3.83	13.65
K292809		1.50							4.76	6.81	1840	900	1.67	6.59	1.37	17.90
K292810		0.18	13.60	131	2.80	2.46	15.55		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K292811		1.64		128		1.160	3.02		>100	3.92	1815	320	1.07	164.5	1.99	422
K292812		1.88		540	1.340		1.350		>100	4.05	1965	690	1.07	1000	1.83	180.0
K292813		1.24		111					>100	2.63	1210	140	0.65	248	2.58	132.5
K292814		1.60		357		3.11	6.25		>100	1.39	1090	150	0.46	575	1.39	926
K292815		6.06							0.33	0.05	1.9	30	0.06	0.54	21.5	0.67
K292816		1.50					1.075		11.90	3.80	380	220	0.83	13.75	1.21	136.0
K292817		0.32							40.3	5.71	2500	240	1.32	36.8	1.68	44.4
K292818		1.78	14.80	264			2.62	1.455	>100	4.25	>10000	80	1.01	274	0.59	251
K292819		1.54		157		2.61	1.165	1.485	>100	3.12	>10000	5150	0.77	54.2	0.83	116.5
K292820		1.38		200		4.36	5.76		>100	5.65	2880	300	1.36	33.7	1.02	537
K292821		1.72							1.31	7.79	132.0	1620	1.86	4.70	1.19	4.74
K292822		<0.02							1.31	7.86	125.5	1660	1.80	5.32	1.24	4.98
K292823		2.74							19.85	2.81	1165	150	0.78	27.2	4.70	78.6
K292824		1.34		248					>100	1.57	2270	160	0.51	534	2.17	60.0
K292825		4.76		445		6.04	6.72		>100	3.04	7970	240	0.75	81.8	1.46	721
K292826		3.82					1.200		93.4	6.15	1140	880	1.49	261	1.58	180.0
K292827		4.00	14.80	255		4.79	6.14	1.715	>100	2.75	>10000	340	1.07	170.0	2.47	967
K292828		6.36	19.15	104			1.415		>100	4.24	699	70	1.08	116.0	1.49	142.5
K292829		2.48					2.55	1.240	73.6	6.32	>10000	5290	1.50	3.60	1.95	342
K292830		4.50	11.60				1.770	3.76	45.4	5.85	>10000	1320	1.28	0.66	1.07	264
K292831		2.92						1.500	54.3	5.51	>10000	2390	1.81	4.96	1.80	124.5
K292832		2.58	31.6	164		3.39	3.67	5.83	>100	3.76	>10000	1170	1.01	9.78	0.80	519
K292833		2.74		222		4.20	2.40		>100	4.76	2150	810	1.17	49.3	1.65	214
K292834		1.32				2.04	2.52		89.8	5.33	1230	6000	1.32	0.72	2.50	393
K292835		6.28							2.08	7.28	158.5	1430	1.66	0.45	1.86	11.55
K292836		<0.02							1.83	6.97	139.5	1340	1.59	0.41	1.74	11.20

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-SEP-2016
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CERTIFICATE OF ANALYSIS VA16129499

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
K292801		15.90	13.4	12	7.21	266	12.25	8.37	0.07	0.3	0.921	1.18	7.8	14.7	0.29	1380
K292802		16.10	10.8	15	2.80	>10000	24.4	6.21	0.09	0.2	4.34	0.85	6.7	8.8	0.20	888
K292803		15.00	7.0	54	4.18	>10000	14.85	9.04	0.07	0.4	15.25	1.20	8.0	7.0	1.68	20000
K292804		69.5	6.8	8	13.00	>10000	9.82	12.30	0.13	0.4	32.0	1.20	35.7	21.6	1.81	3250
K292805		1.21	0.8	1	0.13	12.0	0.49	0.21	<0.05	<0.1	0.014	0.02	0.6	0.9	12.90	217
K292806		25.2	5.4	16	13.65	30.2	3.00	7.32	<0.05	0.5	0.311	1.26	13.8	47.6	0.34	587
K292807		43.8	5.6	12	8.68	28.7	5.27	12.00	0.05	0.7	0.710	2.37	27.2	13.6	1.51	2680
K292808		21.7	8.0	14	3.92	587	11.70	8.11	0.09	0.4	0.468	1.51	9.0	11.9	1.40	4350
K292809		49.5	5.8	14	10.15	135.5	5.97	17.05	0.11	0.8	0.563	3.27	27.0	13.7	0.66	2360
K292810		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K292811		22.8	6.0	11	7.22	2560	11.30	14.20	0.09	0.5	12.40	1.81	10.2	17.2	0.71	3700
K292812		24.6	11.4	8	21.6	>10000	14.70	10.60	0.08	0.6	8.44	1.50	11.6	20.6	0.60	4650
K292813		36.6	3.9	14	2.96	2390	13.20	8.81	0.08	0.4	9.49	1.22	20.0	8.5	0.87	10650
K292814		26.5	1.3	14	1.99	3900	16.80	10.45	0.09	0.3	94.4	0.61	15.2	9.3	0.60	9980
K292815		1.08	0.6	1	0.22	11.8	0.48	0.18	<0.05	<0.1	0.061	0.02	0.5	0.8	13.15	210
K292816		26.3	20.5	14	4.03	461	10.10	9.41	0.08	0.5	0.520	1.80	14.0	12.3	0.60	639
K292817		36.2	17.8	22	10.35	1165	9.09	14.80	0.09	0.9	1.605	2.64	18.5	15.3	0.68	2280
K292818		21.6	46.2	12	6.95	8500	14.85	10.20	0.10	0.7	18.15	2.10	10.0	4.5	0.32	1420
K292819		16.25	7.6	17	3.99	4350	10.85	7.17	0.08	0.4	5.95	1.49	7.6	21.9	0.16	514
K292820		26.2	6.9	15	8.86	2760	6.19	14.15	0.09	0.9	12.05	2.96	12.0	5.7	0.41	1260
K292821		48.4	10.5	15	20.8	20.3	4.12	17.95	0.14	1.2	0.365	4.10	24.5	22.2	0.49	1340
K292822		46.8	10.6	17	20.7	19.4	4.22	17.65	0.12	1.2	0.395	4.13	23.6	22.1	0.50	1380
K292823		22.8	13.2	9	7.26	202	11.20	8.90	0.08	0.4	0.786	1.26	12.3	24.0	1.93	5610
K292824		10.30	25.4	12	2.14	3630	23.2	5.65	0.09	0.2	2.78	0.74	5.6	9.9	0.73	3280
K292825		18.65	5.4	11	6.05	5860	11.85	7.43	0.07	0.5	16.90	1.20	7.5	23.0	0.50	1520
K292826		47.9	14.6	14	11.00	4540	6.51	17.40	0.11	0.7	13.30	2.59	27.4	14.6	0.67	848
K292827		19.15	4.3	9	18.25	2600	6.79	7.44	0.08	0.5	13.40	1.07	9.6	24.2	0.87	2420
K292828		22.2	7.6	14	7.05	4410	14.55	11.30	0.11	0.7	6.86	2.12	11.0	8.8	0.46	1000
K292829		41.9	5.6	13	17.70	372	4.80	14.80	0.09	1.9	0.854	2.62	22.4	24.0	0.89	1280
K292830		32.5	4.2	16	10.65	600	6.88	16.45	0.09	1.1	1.520	2.66	17.0	12.8	0.47	1360
K292831		42.3	8.6	11	21.6	397	5.13	13.70	0.09	1.7	1.870	2.10	23.1	41.3	0.57	1220
K292832		19.95	9.1	12	10.20	835	12.10	10.15	0.08	0.8	9.80	1.64	10.3	9.3	0.34	968
K292833		31.2	5.3	14	12.70	1620	10.40	11.10	0.09	0.8	2.82	2.08	17.2	9.8	0.56	1800
K292834		34.8	5.2	15	14.45	221	3.34	11.45	0.08	1.1	1.345	2.29	18.7	26.7	0.81	2110
K292835		43.5	7.1	15	19.95	56.9	3.23	16.70	0.09	1.4	0.126	3.27	22.6	77.0	0.67	1400
K292836		44.1	6.4	13	19.35	50.8	3.01	16.00	0.09	1.2	0.114	3.10	23.2	73.2	0.64	1310

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129499

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05
K292801		30.8	0.01	2.4	2.7	200	4730	77.7	<0.002	>10.0	95.9	4.0	1	28.0	107.5	0.18
K292802		4.33	0.01	1.7	1.9	100	5230	59.2	<0.002	>10.0	211	2.9	3	33.2	27.0	0.15
K292803		5.21	0.02	1.6	17.1	160	>10000	75.6	<0.002	>10.0	681	5.1	1	48.4	62.5	0.13
K292804		19.85	0.02	2.9	2.6	190	1960	62.7	0.002	>10.0	1030	4.1	6	28.9	88.7	0.25
K292805		0.06	0.01	0.2	1.6	170	9.2	0.8	<0.002	0.01	0.54	0.2	1	<0.2	47.0	<0.05
K292806		34.9	0.02	3.3	3.6	210	161.5	72.5	0.003	2.76	102.5	3.9	1	2.7	46.5	0.26
K292807		13.70	0.02	4.6	2.0	390	131.0	145.5	<0.002	4.10	29.9	7.1	1	4.3	64.0	0.36
K292808		29.6	0.02	2.8	2.2	200	1010	88.0	0.003	>10.0	197.0	4.7	1	5.2	66.3	0.35
K292809		1.96	0.03	6.7	2.4	490	345	217	<0.002	4.64	46.7	9.4	<1	14.0	47.8	0.65
K292810		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
K292811		5.92	0.02	3.5	2.3	290	>10000	114.5	<0.002	>10.0	602	5.6	1	53.3	105.5	0.28
K292812		21.7	0.01	3.9	2.1	280	7550	87.3	<0.002	>10.0	665	5.8	3	17.1	66.4	0.32
K292813		3.99	0.02	2.2	1.6	280	2190	64.0	<0.002	>10.0	66.7	3.7	1	16.8	46.9	0.19
K292814		2.90	0.01	1.5	1.1	50	>10000	34.1	<0.002	>10.0	189.0	1.9	2	44.8	37.6	0.14
K292815		0.19	0.01	0.1	1.2	180	22.3	1.2	<0.002	0.02	0.41	0.1	<1	<0.2	50.0	<0.05
K292816		4.05	0.03	2.4	2.4	190	2970	130.0	<0.002	>10.0	33.6	5.5	3	8.3	23.8	0.20
K292817		18.30	0.06	5.2	15.2	450	1630	152.0	0.002	7.80	109.0	8.9	1	11.4	65.8	0.43
K292818		1.92	0.02	4.3	3.0	300	7660	112.5	<0.002	>10.0	191.5	5.8	2	8.7	14.4	0.38
K292819		13.55	0.02	2.7	1.9	210	>10000	87.7	<0.002	>10.0	966	4.0	1	13.2	70.3	0.24
K292820		3.54	0.02	6.1	2.6	460	>10000	164.0	<0.002	8.76	224	8.2	1	6.5	30.2	0.48
K292821		3.41	0.10	9.0	2.7	680	126.5	209	<0.002	1.73	12.05	12.5	1	5.3	75.1	0.71
K292822		3.59	0.10	8.9	2.8	690	113.0	207	<0.002	1.70	11.25	12.4	1	5.2	75.2	0.71
K292823		7.30	0.02	2.6	2.5	170	1650	79.7	<0.002	>10.0	95.4	4.2	1	9.9	70.4	0.22
K292824		14.35	0.01	1.3	2.7	130	6600	43.6	<0.002	>10.0	469	3.7	3	13.8	26.6	0.12
K292825		6.74	0.01	2.9	1.6	230	>10000	67.8	<0.002	>10.0	1165	5.1	1	6.5	41.4	0.26
K292826		15.95	0.04	4.9	3.1	450	3200	155.5	<0.002	6.77	260	8.1	2	16.5	49.3	0.40
K292827		35.8	0.01	2.8	1.6	190	>10000	58.4	<0.002	8.40	425	3.9	1	7.2	191.0	0.23
K292828		1.07	0.02	4.1	2.2	340	2970	112.0	<0.002	>10.0	247	6.4	1	16.2	40.8	0.35
K292829		8.65	0.03	7.4	3.1	540	5760	148.5	<0.002	3.71	121.0	8.2	1	5.1	391	0.58
K292830		17.60	0.03	6.0	2.2	420	6170	135.5	<0.002	6.05	169.5	7.8	1	21.3	37.6	0.54
K292831		19.15	0.03	6.6	3.6	510	7550	120.0	<0.002	4.52	164.5	7.1	1	7.8	181.0	0.54
K292832		63.5	0.02	3.9	2.5	260	>10000	93.9	0.002	>10.0	418	5.0	1	12.9	33.5	0.33
K292833		3.01	0.02	4.9	1.8	340	>10000	118.5	<0.002	>10.0	307	6.4	1	6.9	48.3	0.42
K292834		2.51	0.02	5.3	2.3	390	>10000	143.5	<0.002	3.42	146.5	6.9	1	3.7	132.0	0.48
K292835		2.28	0.06	8.4	2.5	580	446	144.0	<0.002	1.24	18.75	10.1	1	2.9	107.0	0.68
K292836		2.15	0.06	7.9	2.3	550	410	144.5	<0.002	1.14	17.00	9.8	1	2.7	101.5	0.66

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129499

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
K292801		0.32	4.84	0.073	1.47	5.5	25	3.3	7.9	>10000	8.7	3.31
K292802		1.29	1.88	0.050	0.93	1.6	19	2.6	2.8	>10000	5.4	>10.0
K292803		1.15	2.77	0.072	1.06	2.8	34	5.2	8.8	>10000	13.1	4.03
K292804		1.80	4.82	0.078	1.50	9.3	28	8.1	11.4	>10000	11.7	1.735
K292805		<0.05	0.07	0.006	<0.02	0.7	2	0.1	0.8	41	0.7	<0.005
K292806		0.05	5.68	0.106	1.85	14.9	32	4.2	6.5	696	12.5	0.199
K292807		<0.05	8.14	0.154	2.75	7.4	51	6.6	8.7	1250	18.0	0.206
K292808		1.24	4.67	0.085	1.47	2.5	30	4.1	5.9	1130	11.4	9.64
K292809		0.28	12.00	0.207	2.87	3.6	57	11.7	8.4	1280	22.3	0.374
K292810		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	>10.0
K292811		0.40	5.81	0.106	1.82	3.3	34	6.4	8.3	>10000	13.2	1.235
K292812		1.24	6.10	0.117	1.86	4.0	35	6.0	8.1	>10000	16.0	1.415
K292813		1.35	4.17	0.068	0.76	2.8	26	5.1	12.4	8830	12.6	1.485
K292814		3.32	3.31	0.044	0.70	1.4	10	3.2	7.0	>10000	9.1	1.785
K292815		<0.05	0.06	<0.005	<0.02	0.5	1	0.1	0.8	98	<0.5	<0.005
K292816		1.32	6.49	0.079	1.33	2.3	39	11.4	6.4	>10000	13.8	1.110
K292817		0.75	9.15	0.162	2.21	5.6	56	7.6	9.5	3370	24.4	1.705
K292818		3.49	6.09	0.124	1.90	3.0	36	2.6	5.8	>10000	17.6	>10.0
K292819		0.53	4.26	0.087	1.11	2.2	27	3.3	5.3	>10000	11.3	2.60
K292820		0.37	6.84	0.195	2.51	2.0	56	3.4	7.7	>10000	24.0	1.885
K292821		2.01	13.30	0.269	3.11	5.4	74	4.3	15.1	565	36.7	0.082
K292822		2.41	13.30	0.269	3.03	5.4	74	4.3	15.8	553	35.3	0.087
K292823		4.50	4.68	0.078	1.23	5.1	32	4.9	9.0	5370	11.7	1.010
K292824		9.51	3.75	0.040	0.61	6.0	26	2.5	9.7	5230	6.3	3.23
K292825		1.13	5.12	0.091	1.41	2.4	29	1.8	6.9	>10000	14.5	4.38
K292826		1.89	10.10	0.166	2.36	4.4	57	5.0	12.7	>10000	19.0	2.65
K292827		0.12	4.73	0.084	1.42	8.1	25	3.9	7.0	>10000	12.7	>10.0
K292828		0.45	6.32	0.130	1.56	1.7	38	4.7	7.8	>10000	17.8	>10.0
K292829		0.14	9.87	0.219	2.89	4.9	59	7.0	14.6	>10000	61.7	7.14
K292830		0.05	9.75	0.177	2.69	3.6	50	6.6	9.1	>10000	29.0	>10.0
K292831		0.20	9.55	0.190	2.34	8.5	49	5.2	9.9	8780	57.1	4.31
K292832		0.57	5.72	0.113	1.84	18.5	33	3.6	6.5	>10000	22.9	>10.0
K292833		0.66	8.59	0.146	2.36	5.8	40	3.4	9.8	>10000	21.7	8.51
K292834		<0.05	9.34	0.156	2.39	5.3	45	3.3	11.7	>10000	28.2	0.501
K292835		<0.05	12.05	0.250	3.02	5.6	69	6.1	13.3	1040	37.1	0.043
K292836		<0.05	11.90	0.234	2.86	5.5	65	5.8	12.9	975	34.1	0.042

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 9-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129499

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
Ag-OG62	As-OG62	Au-AA24	Au-GRA22
BAG-01	CRU-32	CRU-QC	Cu-OG62
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129508

Project: Klaza

P.O. No.: Batch 95

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

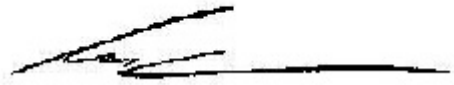
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129508

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R614885		3.06			3.53	8.38	163.5	1090	1.76	5.09	0.50	5.94	24.2	11.0	18	9.50
R614886		2.88			1.30	7.73	33.1	1000	1.83	2.18	1.66	3.81	29.6	16.4	19	14.50
R614887		2.92			3.73	7.15	152.5	430	1.55	3.74	0.79	3.62	54.7	35.0	19	12.30
R614888		0.32	118	1.585	>100	5.27	7780	840	1.27	59.1	1.85	218	31.3	9.6	18	11.20
R614889		2.76			6.69	7.54	116.5	770	1.75	8.49	1.01	11.65	37.8	12.0	19	10.75
R614890		2.18			6.27	7.38	347	310	1.63	9.23	0.35	1.02	43.4	13.2	16	8.10
R614891		6.24			2.83	7.71	134.0	850	1.89	4.72	1.61	2.79	66.4	11.6	23	13.65
R614892		2.02			0.23	7.53	25.3	1620	1.77	0.81	2.01	0.56	58.7	7.4	19	18.95
R614893		4.18			0.28	6.74	46.9	1000	1.86	0.61	3.22	0.67	45.2	7.3	14	26.9
R614894		<0.02			0.28	6.99	44.6	980	1.80	0.62	3.17	0.64	50.9	7.1	15	27.6
R614895		1.90			0.93	6.55	250	680	1.77	0.85	3.22	6.38	41.9	7.7	12	22.1
R614896		2.72			0.21	7.60	11.3	2510	1.92	1.02	2.51	0.52	54.0	10.3	18	20.4
R614897		3.24			0.17	6.68	18.1	400	1.30	0.75	1.45	0.77	48.1	11.1	16	16.00
R614898		4.86			0.72	7.68	81.0	1210	1.46	3.31	0.87	0.70	54.8	12.3	22	11.95
R614899		3.28			1.07	7.09	42.7	780	1.71	3.74	0.99	1.19	51.2	30.6	16	12.55
R614900		6.08			0.01	0.06	<0.2	80	0.08	0.03	20.0	0.06	1.17	0.7	1	0.13
R614901		3.32			0.67	8.13	30.5	1190	1.57	2.91	0.79	0.58	55.6	14.8	12	10.95
R614902		1.40			0.60	8.13	40.3	1160	1.56	2.02	0.76	0.63	56.6	5.4	13	10.80
R614903		1.46			1.36	7.50	108.5	350	1.66	3.81	0.54	0.75	56.1	11.8	16	13.25
R614904		2.36			0.90	6.99	96.9	360	1.81	2.35	1.70	3.57	53.1	52.7	14	17.00
R614905		1.84			0.35	6.31	18.3	1350	1.53	1.40	1.85	1.69	49.7	11.3	18	15.85
R614906		6.62			0.45	8.26	16.1	2110	2.07	1.46	0.72	5.98	60.4	10.7	16	19.45
R614907		0.32			4.54	6.63	716	430	1.49	3.61	2.02	10.55	45.5	12.9	25	13.35
R614908		5.62			0.45	7.75	18.6	2030	1.77	1.17	0.87	4.86	51.0	8.9	18	13.05
R614909		3.48			3.06	7.84	72.0	1550	1.48	7.87	0.03	0.52	54.2	3.1	15	7.42
R614910		5.48			0.91	7.42	113.0	1360	1.86	2.00	1.01	6.71	48.4	8.8	17	18.65
R614911		4.80			54.4	5.98	1315	450	1.58	85.5	0.33	10.85	43.7	7.9	18	18.05
R614912		6.10			0.07	0.06	0.9	20	0.09	0.10	20.2	0.09	1.15	0.8	1	0.16
R614913		8.62			2.68	7.48	279	790	1.71	4.98	1.60	4.30	48.5	7.6	12	19.10
R614914		4.38			1.66	7.14	71.6	890	1.63	3.24	1.75	4.67	50.1	7.2	13	18.15
R614915		1.84			1.51	7.21	65.4	940	1.77	3.32	1.58	7.86	51.1	7.9	12	16.90
R614916		8.00			4.97	7.01	93.0	810	1.27	10.40	1.21	1.38	44.1	7.2	14	10.95
R614917		7.84			1.01	7.80	33.8	680	1.66	2.46	1.91	2.81	50.2	6.4	15	15.20
R614918		5.18			1.38	7.29	43.7	470	1.82	2.81	1.68	1.51	45.3	7.9	17	14.10
R614919		6.56			0.86	7.12	37.2	480	1.48	2.16	2.42	2.37	44.7	7.6	13	21.3
R614920		6.54			0.81	6.41	104.0	600	1.37	3.48	2.19	2.09	68.0	11.1	19	14.40

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Finalized Date: 2-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129508

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R614885		205	3.84	18.05	0.13	1.3	0.566	4.24	11.6	5.3	0.47	616	8.20	0.05	6.4	2.7
R614886		78.3	2.54	16.70	0.15	1.1	0.159	4.03	12.5	9.2	0.36	578	1.00	0.06	6.0	2.7
R614887		94.7	4.10	16.30	0.12	1.0	0.308	3.31	30.2	13.5	0.38	640	1.16	0.05	4.4	5.7
R614888		1235	7.85	12.30	0.11	1.0	4.35	2.28	16.1	32.4	0.59	2970	14.00	0.08	5.6	14.1
R614889		528	4.08	17.40	0.11	1.2	1.310	3.49	19.4	12.1	0.48	837	1.11	0.05	5.1	3.0
R614890		572	5.39	18.30	0.13	0.8	0.838	3.86	20.9	5.7	0.50	284	1.60	0.06	4.7	3.4
R614891		215	5.22	17.65	0.15	0.9	0.390	4.19	36.6	10.8	0.82	731	1.64	0.08	6.1	3.5
R614892		22.8	2.77	16.05	0.14	1.5	0.135	3.16	32.6	29.6	0.52	592	2.27	0.64	8.5	2.6
R614893		22.6	2.91	15.15	0.13	1.1	0.077	2.78	23.8	20.5	1.11	1440	2.07	0.04	7.6	2.4
R614894		22.3	2.85	15.00	0.13	1.2	0.085	2.81	28.0	20.1	1.13	1420	2.90	0.04	7.6	2.4
R614895		22.4	3.80	13.80	0.11	0.9	0.070	2.81	23.5	16.4	1.16	2710	2.24	0.03	6.7	2.6
R614896		12.5	3.28	16.60	0.18	1.2	0.148	3.01	29.7	24.8	0.73	448	1.38	1.67	8.4	2.9
R614897		6.0	2.74	14.80	0.12	0.8	0.156	1.50	26.3	75.0	0.43	896	2.75	0.03	7.4	2.6
R614898		25.2	3.76	16.65	0.11	0.9	0.195	2.57	30.6	47.8	0.46	603	1.62	0.06	7.4	2.7
R614899		65.1	5.18	14.70	0.15	0.8	0.286	3.88	27.3	14.4	0.67	810	1.50	0.07	5.2	3.4
R614900		1.8	0.45	0.20	0.10	<0.1	<0.005	0.03	0.6	1.0	12.30	198	0.09	<0.01	0.1	1.7
R614901		44.5	4.04	17.00	0.13	0.9	0.347	3.08	31.0	23.4	0.50	631	0.68	0.07	8.1	3.0
R614902		73.8	3.14	17.85	0.14	1.0	0.293	2.41	31.5	36.8	0.46	656	1.55	0.05	8.6	2.3
R614903		110.0	6.22	18.15	0.13	1.0	0.361	3.66	31.3	11.1	0.62	593	1.51	0.05	5.4	2.6
R614904		50.3	5.30	15.35	0.15	0.9	0.268	3.16	29.2	9.8	0.67	1120	0.93	0.04	6.6	4.1
R614905		26.0	2.93	12.95	0.12	0.8	0.257	2.30	27.7	17.0	0.60	313	0.96	0.69	5.9	2.4
R614906		89.1	3.18	17.50	0.12	1.3	0.108	2.98	32.8	51.5	0.35	781	3.47	0.77	8.6	3.6
R614907		313	4.97	15.05	0.11	1.1	0.302	3.01	25.7	27.2	0.74	1870	13.55	0.15	6.1	14.6
R614908		107.5	3.28	16.00	0.13	1.3	0.112	2.94	29.9	15.4	0.45	755	4.05	1.13	8.0	2.9
R614909		83.8	2.94	17.50	0.14	1.5	0.317	3.87	30.1	9.3	0.33	106	1.30	0.06	7.6	1.5
R614910		72.4	4.29	15.45	0.11	1.1	0.138	3.03	26.3	42.6	0.33	2000	2.02	0.05	6.9	3.2
R614911		2900	7.32	14.70	0.12	0.9	1.610	2.73	23.5	11.3	0.28	247	13.35	0.04	4.8	2.3
R614912		5.5	0.45	0.22	0.10	<0.1	0.005	0.02	0.6	1.0	12.45	202	0.07	0.01	0.1	1.9
R614913		296	3.74	16.65	0.10	1.1	0.232	2.85	25.5	57.0	0.53	915	1.36	0.05	7.7	2.7
R614914		107.5	4.95	15.35	0.11	1.0	0.230	3.01	27.6	25.2	0.59	996	1.72	0.04	6.5	2.6
R614915		88.2	5.15	16.10	0.14	1.0	0.250	3.07	27.6	27.1	0.59	1120	1.69	0.04	7.1	2.9
R614916		162.5	5.41	15.30	0.09	0.9	0.201	2.93	24.0	30.2	0.50	633	2.55	0.05	6.0	7.7
R614917		77.6	4.06	18.35	0.12	1.2	0.132	3.00	27.3	46.5	0.71	701	1.86	0.07	7.9	3.4
R614918		113.5	4.72	17.50	0.13	1.4	0.204	3.02	23.7	29.1	0.64	767	2.04	0.06	7.6	2.7
R614919		88.3	4.36	16.40	0.12	1.1	0.108	2.76	24.4	29.2	0.68	635	2.12	0.07	7.3	2.7
R614920		202	4.65	16.30	0.12	1.0	0.170	2.25	42.8	32.4	0.83	774	3.98	0.05	5.9	3.4

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R614885		560	192.0	295	<0.002	2.46	14.45	13.7	1	8.0	18.4	0.53	0.16	15.70	0.200	3.75
R614886		610	163.5	223	<0.002	1.73	9.08	11.4	1	5.6	57.5	0.50	0.18	14.50	0.193	3.28
R614887		550	91.7	194.5	<0.002	3.18	12.55	11.5	1	5.1	30.9	0.35	1.31	12.55	0.167	2.73
R614888		450	9270	129.5	<0.002	6.78	210	7.6	1	7.9	119.5	0.42	0.41	8.33	0.175	2.16
R614889		590	85.7	180.0	<0.002	2.43	11.25	11.0	1	9.4	28.2	0.43	0.38	14.65	0.172	2.79
R614890		610	60.4	290	<0.002	4.73	80.0	11.3	1	11.6	14.0	0.37	0.20	12.60	0.159	3.15
R614891		690	64.3	237	<0.002	3.49	12.85	11.9	1	8.4	76.1	0.47	0.34	13.50	0.214	3.00
R614892		520	34.2	150.5	<0.002	1.16	11.05	10.2	1	3.0	144.0	0.83	0.10	17.70	0.214	2.26
R614893		550	25.0	118.5	<0.002	0.93	11.35	10.3	1	2.2	71.6	0.66	0.09	12.35	0.223	2.70
R614894		540	23.5	144.5	<0.002	0.90	11.20	10.5	1	2.1	70.6	0.66	0.08	13.60	0.223	2.62
R614895		520	264	163.0	<0.002	2.57	9.92	9.7	1	4.9	79.8	0.53	0.11	11.30	0.204	3.08
R614896		690	25.7	130.0	<0.002	0.68	3.95	11.9	1	2.9	295	0.67	0.15	13.35	0.260	2.04
R614897		580	20.0	66.6	<0.002	0.73	23.4	9.9	1	2.8	152.5	0.56	0.16	11.25	0.229	1.31
R614898		620	33.4	135.5	<0.002	1.68	15.65	11.1	1	6.4	85.1	0.53	0.29	13.35	0.237	1.78
R614899		550	45.8	207	<0.002	2.98	17.20	10.6	1	5.3	51.7	0.43	0.53	12.20	0.175	3.07
R614900		170	1.3	1.2	<0.002	0.01	0.10	0.2	1	<0.2	47.2	<0.05	<0.05	0.10	<0.005	<0.02
R614901		640	36.4	148.0	<0.002	1.66	14.85	11.8	1	4.4	52.6	0.65	0.39	14.50	0.254	2.11
R614902		660	37.9	126.0	<0.002	1.04	28.3	12.1	1	4.4	45.2	0.67	0.11	15.45	0.268	2.10
R614903		600	39.6	207	<0.002	4.46	19.20	12.1	1	14.3	16.9	0.44	0.39	12.15	0.193	2.83
R614904		530	195.5	173.5	<0.002	4.37	9.73	10.3	1	6.1	47.0	0.57	0.41	12.80	0.195	3.19
R614905		520	47.1	121.5	<0.002	1.19	7.15	9.5	1	3.6	110.5	0.50	0.24	12.95	0.193	1.99
R614906		640	79.4	142.5	<0.002	0.35	5.53	12.4	1	4.0	134.0	0.69	0.30	15.55	0.255	2.08
R614907		530	480	151.5	0.003	2.67	28.0	9.6	1	5.4	108.5	0.51	0.34	11.05	0.199	2.46
R614908		560	110.5	128.5	<0.002	0.13	5.30	10.8	1	5.3	183.5	0.65	0.13	15.05	0.239	1.86
R614909		350	69.5	199.5	<0.002	1.85	13.60	13.1	1	12.7	39.6	0.65	0.76	14.15	0.242	2.73
R614910		660	133.5	144.0	<0.002	1.35	15.65	10.4	1	6.6	50.7	0.60	0.24	15.35	0.208	2.81
R614911		370	317	148.5	0.002	6.59	65.5	9.2	3	14.3	21.1	0.38	2.45	9.85	0.151	2.17
R614912		180	1.8	1.3	<0.002	<0.01	0.16	0.2	1	<0.2	48.0	<0.05	<0.05	0.10	<0.005	<0.02
R614913		600	106.5	120.5	<0.002	1.97	19.35	10.9	1	6.3	66.5	0.63	0.60	13.55	0.232	2.42
R614914		580	155.5	142.0	<0.002	3.23	18.85	10.1	2	7.6	78.8	0.54	0.35	13.05	0.211	2.57
R614915		610	221	153.5	0.002	3.12	12.85	11.3	2	8.1	55.1	0.56	0.40	13.20	0.226	2.70
R614916		520	68.3	122.5	0.003	4.36	19.40	9.0	2	7.5	50.1	0.47	0.83	11.50	0.204	2.05
R614917		610	136.5	124.5	0.002	2.59	8.65	11.0	2	5.8	86.6	0.62	0.42	14.35	0.242	2.24
R614918		580	63.5	123.5	<0.002	2.61	6.64	10.6	2	6.9	64.8	0.62	0.24	13.25	0.223	2.29
R614919		550	94.9	113.0	<0.002	3.11	10.80	10.1	3	6.4	79.9	0.61	0.20	12.15	0.233	1.87
R614920		480	90.6	110.0	0.003	2.56	21.5	8.6	1	9.4	85.1	0.50	0.60	11.00	0.191	1.84

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R614885		2.8	73	8.0	12.4	528	36.0	1.075
R614886		4.9	69	3.0	16.4	376	32.6	0.114
R614887		4.3	72	3.4	12.7	369	30.2	0.267
R614888		5.2	51	4.3	9.1	>10000	31.5	4.36
R614889		3.8	63	4.4	12.1	1020	33.3	0.047
R614890		2.9	66	8.7	7.1	115	24.5	0.362
R614891		4.8	73	3.8	12.1	267	25.7	0.286
R614892		8.0	60	2.3	16.8	74	40.7	0.035
R614893		6.4	63	3.9	14.5	107	31.3	0.062
R614894		6.6	62	4.0	14.7	100	31.0	0.056
R614895		4.3	59	6.4	13.4	574	26.1	0.675
R614896		5.3	73	1.5	16.6	80	34.6	0.020
R614897		7.7	64	5.4	13.8	146	23.2	0.020
R614898		3.8	66	6.2	13.3	97	26.8	0.274
R614899		3.3	63	3.7	13.5	206	23.1	0.182
R614900		0.7	2	0.1	0.8	16	<0.5	<0.005
R614901		3.3	71	2.7	15.3	102	26.5	0.136
R614902		3.3	66	2.4	14.7	95	27.8	0.102
R614903		3.1	72	10.3	9.4	108	25.0	0.111
R614904		3.4	57	4.1	14.9	342	26.1	0.066
R614905		4.2	55	1.4	13.4	145	22.6	0.083
R614906		3.6	72	6.1	24.4	299	38.3	0.009
R614907		5.2	65	5.4	11.7	871	30.3	0.378
R614908		4.6	67	4.3	18.1	522	38.9	0.007
R614909		2.9	70	19.6	8.4	78	39.3	0.068
R614910		5.5	64	7.9	15.6	576	31.1	0.012
R614911		4.9	56	13.9	9.9	178	25.2	3.74
R614912		0.9	3	0.1	0.8	16	<0.5	<0.005
R614913		4.3	66	8.9	14.6	332	32.0	0.083
R614914		5.0	63	10.8	13.9	484	29.0	0.021
R614915		4.7	70	12.2	14.0	554	29.3	0.026
R614916		3.7	65	12.5	11.6	173	29.4	0.047
R614917		4.4	70	12.3	15.8	267	37.2	0.010
R614918		4.6	65	12.1	13.5	174	42.8	0.015
R614919		4.5	63	14.5	14.6	199	34.8	0.012
R614920		5.1	69	8.7	13.6	207	28.9	0.044

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129508

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	PUL-35a	PUL-35ad	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129511

Project: Klaza

P.O. No.: Batch 97

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

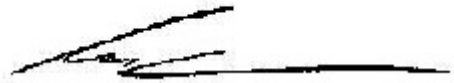
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 10-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129511

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R614921		4.86	0.62	6.91	35.7	1830	1.34	1.55	1.45	2.89	43.8	10.4	11	13.80	86.3	3.60
R614922		3.26	0.92	6.97	50.4	1640	1.56	2.24	1.72	5.40	41.3	9.6	12	14.00	103.5	3.75
R614923		4.24	0.97	7.14	41.7	1180	1.63	2.24	1.50	2.29	50.9	6.3	12	15.40	75.2	5.18
R614924		3.98	1.65	6.98	125.5	720	1.40	4.19	1.43	4.56	40.2	10.6	11	13.45	220	4.19
R614925		0.34	9.92	6.13	1690	760	1.38	6.27	1.78	40.4	38.3	16.4	20	15.05	103.5	4.84
R614926		5.56	0.50	7.11	32.0	1380	1.29	1.14	1.28	1.59	40.1	8.3	10	19.35	63.2	3.13
R614927		6.58	1.11	6.94	83.8	1720	1.47	1.52	2.91	2.18	46.6	7.9	11	21.7	76.6	3.26
R614928		7.58	0.50	7.29	36.6	2110	1.58	1.18	1.72	2.04	47.9	22.8	11	17.75	85.1	3.87
R614929		<0.02	0.44	7.49	35.7	2100	1.56	1.14	1.76	2.11	53.3	22.1	10	18.20	82.1	3.89
R614930		4.68	0.83	6.92	27.3	1300	1.44	2.81	1.66	2.01	49.9	8.1	10	13.10	84.8	4.83
R614931		3.92	0.51	7.18	40.9	1990	1.65	1.29	2.33	1.24	46.3	7.0	10	18.20	55.7	3.49
R614932		4.44	1.13	6.94	11.5	370	1.51	3.69	1.31	4.27	46.3	6.5	14	10.20	26.0	6.28
R614933		6.02	0.01	0.05	<0.2	30	0.05	0.03	21.1	0.08	1.12	0.6	1	0.12	3.4	0.46
R614934		4.36	28.0	6.88	137.5	320	1.46	72.5	0.42	2.71	57.0	7.4	12	11.95	578	6.14
R614935		1.90	5.23	5.87	338	800	1.18	9.02	0.67	33.8	42.6	5.7	10	7.96	412	7.81
R614936		8.26	1.64	7.31	65.1	700	1.59	3.67	1.80	15.20	57.2	9.0	11	15.95	189.0	4.33
R614937		4.76	0.76	7.28	66.4	2030	1.60	2.11	2.56	3.36	50.8	8.9	14	15.50	134.5	3.67
R614938		2.62	0.69	7.17	63.7	1330	1.72	2.50	2.33	2.55	53.4	10.2	11	16.95	99.0	3.55
R614939		4.42	2.52	6.37	220	470	1.46	5.48	1.81	4.75	42.1	27.6	12	13.80	279	7.80
R614940		5.68	0.50	7.53	30.4	2090	1.48	1.59	1.73	1.79	51.2	9.4	12	13.25	94.8	3.63
R614941		3.46	5.98	6.69	224	1160	1.59	12.30	2.13	4.03	52.1	14.0	10	19.05	634	5.44
R614942		0.30	4.31	6.89	723	760	1.46	3.29	2.11	11.15	50.2	12.6	26	13.90	326	5.16
R614943		3.68	0.88	7.29	83.0	1050	1.84	1.69	2.07	3.51	54.0	8.0	11	20.1	57.7	4.47
R614944		5.72	1.42	5.48	49.1	540	1.28	4.48	1.15	4.08	67.8	12.2	13	12.10	106.5	4.69
R614945		3.06	1.23	4.67	31.4	450	1.10	5.45	0.96	1.02	66.4	12.1	19	8.58	86.8	4.64
R614946		4.36	0.95	7.19	33.5	1480	1.56	7.11	2.62	1.75	53.1	7.9	16	13.75	104.5	2.94
R614947		7.86	2.30	7.27	100.5	1550	1.64	21.6	1.72	2.16	52.9	8.4	12	14.45	261	4.58
R614948		6.14	2.51	7.30	75.0	470	1.67	10.65	1.89	1.39	53.6	7.4	14	14.15	366	4.23
R614949		1.54	38.3	4.95	837	450	0.99	38.9	2.39	53.2	23.6	8.9	158	10.85	3430	12.10
R614950		6.22	0.04	0.08	0.4	30	0.08	0.07	21.2	0.11	1.24	0.6	1	1.01	5.8	0.46
R614951		7.78	5.57	7.09	151.5	1010	1.38	5.25	0.50	9.85	51.2	7.2	31	14.70	594	5.24
R614952		3.72	8.05	7.36	173.0	1330	1.53	23.2	1.48	2.63	63.2	6.7	12	16.55	739	4.73
R614953		4.56	0.77	7.33	55.2	1990	1.48	2.20	1.60	2.47	59.3	7.8	11	13.65	278	4.03
R614954		2.34	0.88	6.55	46.1	990	1.62	6.18	1.67	1.36	56.5	5.8	12	12.95	147.5	4.39
R614955		7.40	3.59	6.55	163.5	200	1.59	5.00	0.78	5.59	48.6	11.0	12	13.20	412	4.64
R614956		5.52	1.72	7.93	47.5	580	1.86	3.07	1.16	7.94	55.5	11.2	12	13.45	177.0	4.70

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129511

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R614921		16.75	0.07	1.3	0.181	1.39	22.9	68.9	0.49	874	5.41	0.03	7.8	2.8	590	84.7
R614922		16.20	0.08	1.3	0.184	2.45	21.4	31.1	0.55	1040	10.65	0.07	7.9	2.8	560	142.0
R614923		15.55	0.09	1.3	0.298	2.98	28.9	19.4	0.73	968	1.04	0.05	7.3	2.3	540	68.3
R614924		17.40	0.08	1.3	0.160	2.71	21.1	26.6	0.53	915	4.31	0.06	7.2	2.6	530	60.8
R614925		14.40	0.09	1.4	0.865	2.68	19.6	23.2	0.65	1820	12.20	0.25	7.4	14.7	480	1275
R614926		16.45	0.08	1.4	0.080	2.20	20.8	72.0	0.49	791	1.39	0.06	8.3	2.4	570	37.2
R614927		14.60	0.10	1.3	0.104	2.78	26.2	10.9	1.06	1320	3.52	0.06	7.5	2.4	550	72.0
R614928		15.90	0.09	1.2	0.118	2.73	25.8	31.2	0.64	708	2.53	0.43	7.9	2.8	580	51.6
R614929		16.10	0.11	1.3	0.120	2.76	29.4	31.5	0.66	711	2.36	0.43	8.1	2.8	590	52.2
R614930		13.90	0.08	1.3	0.073	2.75	28.1	18.1	0.68	738	3.11	0.14	7.1	2.4	490	57.6
R614931		17.20	0.10	1.3	0.141	2.93	23.3	29.5	0.82	725	2.27	0.05	8.2	2.5	660	28.5
R614932		13.05	0.11	1.2	0.135	3.13	23.7	6.4	0.62	544	2.12	0.05	6.3	2.5	520	91.6
R614933		0.16	0.05	<0.1	<0.005	0.02	0.5	0.8	13.25	210	0.10	<0.01	0.1	1.3	170	1.6
R614934		16.50	0.12	1.2	0.507	3.22	30.9	7.6	0.44	549	5.37	0.04	6.4	2.4	450	261
R614935		13.05	0.10	0.9	0.332	2.70	22.8	14.0	0.43	2870	5.77	0.04	4.3	2.3	320	433
R614936		17.35	0.11	1.2	0.288	3.03	30.6	20.8	0.77	1440	2.62	0.05	7.0	2.7	600	113.0
R614937		17.10	0.11	1.2	0.165	3.25	27.1	25.0	0.88	899	2.76	0.20	7.5	2.4	600	91.3
R614938		17.00	0.20	1.2	0.163	3.23	28.8	22.8	0.80	766	2.56	0.25	7.9	2.6	590	87.7
R614939		15.20	0.11	1.0	0.309	2.98	21.6	8.8	0.88	1680	1.55	0.04	5.6	3.2	480	106.0
R614940		16.45	0.10	1.3	0.100	1.84	27.4	92.5	0.65	1020	2.25	0.03	7.5	2.6	610	46.5
R614941		16.30	0.12	1.2	0.304	2.92	28.2	10.3	0.90	1700	2.63	0.04	6.4	3.1	580	133.0
R614942		15.80	0.11	1.1	0.311	2.99	29.0	27.3	0.79	1990	14.75	0.15	6.2	14.8	540	487
R614943		16.55	0.11	1.3	0.186	3.07	30.3	23.0	0.88	1740	3.94	0.05	6.6	2.5	550	110.5
R614944		12.80	0.10	0.9	0.317	2.30	40.4	15.3	0.56	1120	19.70	0.04	4.4	2.8	390	134.5
R614945		10.50	0.11	0.9	0.267	2.01	40.7	12.2	0.54	624	44.3	0.05	3.7	2.4	350	38.9
R614946		16.50	0.10	1.3	0.120	2.45	28.4	28.0	0.73	554	13.10	0.36	7.3	2.5	610	76.4
R614947		16.85	0.10	1.1	0.174	3.04	29.0	19.0	0.76	901	15.90	0.43	6.7	2.6	610	97.2
R614948		15.85	0.21	1.3	0.185	3.02	29.6	13.3	0.72	617	3.55	1.06	7.2	3.4	580	55.7
R614949		17.45	0.11	1.0	2.08	2.26	12.2	9.8	1.34	21600	2.84	0.04	2.8	48.0	400	1160
R614950		0.26	<0.05	<0.1	0.006	0.05	0.6	1.3	13.20	222	0.21	<0.01	0.3	1.4	190	2.6
R614951		18.05	0.12	1.3	0.530	3.11	28.6	21.2	0.69	1040	5.32	0.04	6.0	9.0	500	228
R614952		18.65	0.12	1.3	0.506	3.09	35.0	20.2	0.77	842	2.59	0.05	7.0	2.8	530	129.5
R614953		17.20	0.10	1.5	0.136	2.75	33.9	25.7	0.69	760	1.57	0.06	6.7	2.6	530	91.0
R614954		16.70	0.11	1.4	0.150	2.55	33.0	13.1	0.58	400	2.31	0.50	6.3	2.5	470	55.3
R614955		15.60	0.19	1.2	0.417	2.77	26.8	29.4	0.45	604	8.23	0.06	5.7	2.3	380	158.0
R614956		17.80	0.20	1.5	0.481	3.32	30.3	21.2	0.56	681	4.86	0.29	7.7	2.6	590	91.0

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Finalized Date: 10-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129511

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R614921		58.5	<0.002	1.11	47.7	10.2	1	5.4	185.5	0.63	0.18	10.75	0.231	1.21	5.2	69
R614922		90.5	0.005	1.00	25.9	9.5	1	6.8	84.8	0.66	0.35	11.90	0.231	1.78	6.0	66
R614923		144.5	<0.002	2.43	6.07	9.8	2	6.5	51.2	0.65	0.29	14.00	0.217	2.45	4.9	61
R614924		117.5	0.005	2.41	32.8	8.9	1	7.6	70.6	0.63	0.61	12.20	0.210	1.99	5.2	62
R614925		138.0	<0.002	2.91	33.7	8.1	1	5.7	142.0	0.62	0.25	10.10	0.192	2.43	4.9	54
R614926		88.4	<0.002	0.80	30.9	9.9	1	4.5	95.4	0.71	0.09	11.85	0.239	1.49	5.5	66
R614927		127.0	<0.002	1.24	27.4	9.5	1	3.4	77.4	0.60	0.10	11.55	0.229	2.26	9.1	62
R614928		109.5	<0.002	1.31	17.60	9.8	1	5.8	125.5	0.68	0.20	11.95	0.240	1.84	8.4	66
R614929		117.0	<0.002	1.27	17.90	10.3	1	5.9	127.5	0.72	0.17	12.80	0.242	1.80	8.6	68
R614930		122.5	<0.002	3.32	10.50	8.6	2	8.3	96.5	0.63	0.34	13.10	0.201	1.76	6.5	58
R614931		104.0	0.003	1.46	5.52	10.1	1	7.5	88.0	0.66	0.12	12.10	0.260	2.28	5.3	75
R614932		132.0	0.002	5.71	3.31	9.2	3	8.3	55.5	0.55	0.25	12.15	0.199	2.09	4.4	61
R614933		1.0	<0.002	0.01	<0.05	0.1	1	<0.2	48.6	<0.05	<0.05	0.21	<0.005	<0.02	0.6	2
R614934		169.5	0.003	4.27	50.8	9.6	2	13.0	29.6	0.60	0.98	12.55	0.196	2.69	5.9	65
R614935		151.5	0.003	6.13	79.9	7.6	2	9.9	34.0	0.36	0.37	8.93	0.138	3.47	5.7	52
R614936		147.5	0.003	2.43	29.0	10.4	1	8.6	86.7	0.94	0.29	13.70	0.228	3.38	5.2	69
R614937		137.0	<0.002	1.88	13.25	10.1	1	8.3	138.0	0.94	0.25	13.00	0.243	2.59	5.4	68
R614938		139.5	<0.002	1.66	11.60	11.1	1	7.1	137.5	0.60	0.26	14.00	0.246	2.46	6.0	67
R614939		166.0	0.002	6.86	43.0	8.7	2	9.6	50.0	0.47	1.10	10.80	0.179	3.06	3.7	56
R614940		89.2	0.003	1.43	53.0	10.5	2	5.7	152.5	0.62	0.26	13.55	0.241	1.62	8.0	71
R614941		165.5	0.003	3.87	72.1	10.1	2	9.0	68.8	0.53	1.36	10.95	0.210	2.97	4.8	73
R614942		158.5	0.006	2.78	29.2	9.2	1	5.9	110.0	0.49	0.28	11.60	0.211	2.57	5.1	67
R614943		164.5	0.003	2.47	15.70	9.9	1	8.1	83.4	0.56	0.17	13.65	0.213	2.72	5.2	64
R614944		120.0	0.004	2.56	20.3	7.2	2	11.2	59.9	0.36	1.19	9.77	0.144	1.97	4.4	55
R614945		100.5	0.006	3.10	12.95	5.9	2	10.7	51.2	0.45	1.01	8.04	0.121	1.63	3.3	45
R614946		93.7	0.004	0.91	12.30	10.1	2	7.4	117.5	0.69	1.55	11.15	0.249	1.90	5.9	66
R614947		131.5	0.004	2.08	26.3	10.2	2	8.9	118.5	0.92	6.14	11.00	0.231	2.30	6.2	70
R614948		133.0	<0.002	2.10	12.00	11.1	1	8.0	213	0.52	0.72	12.55	0.233	1.97	4.4	67
R614949		126.5	0.002	9.21	240	13.6	2	12.9	64.2	0.23	2.32	4.49	0.160	1.99	3.3	93
R614950		3.3	<0.002	0.01	0.35	0.2	<1	0.2	49.0	<0.05	<0.05	0.10	<0.005	0.02	0.6	2
R614951		163.5	0.002	2.76	242	9.8	1	9.9	38.7	0.53	0.30	13.45	0.197	2.65	4.8	67
R614952		154.0	0.003	2.09	128.0	10.5	1	10.2	71.1	0.59	0.58	15.60	0.209	2.49	5.4	64
R614953		128.0	0.002	1.45	70.0	9.4	1	8.7	65.9	0.66	0.35	14.45	0.213	2.21	4.4	64
R614954		122.5	0.002	2.07	11.85	8.5	1	9.4	104.0	0.61	1.85	13.75	0.189	1.95	6.0	57
R614955		161.0	0.002	3.35	129.0	8.9	1	8.5	58.4	0.44	0.39	12.75	0.168	2.51	5.7	54
R614956		158.5	<0.002	1.89	51.7	12.1	1	5.7	93.3	0.59	0.56	14.70	0.236	2.36	5.1	72

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 10-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129511

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R614921		10.1	16.1	252	34.7	0.014
R614922		6.0	15.1	403	35.9	0.129
R614923		12.3	13.9	248	32.8	0.015
R614924		11.3	14.1	282	35.8	0.063
R614925		5.1	10.9	2800	38.7	0.800
R614926		7.5	13.5	153	36.6	0.008
R614927		10.8	15.4	183	35.2	0.164
R614928		5.6	15.7	193	35.2	0.011
R614929		5.7	16.6	191	36.3	0.010
R614930		17.2	16.1	201	36.4	0.025
R614931		8.6	14.5	127	38.1	0.011
R614932		19.6	13.9	331	32.8	0.018
R614933		0.1	0.7	19	<0.5	<0.005
R614934		18.0	12.2	244	33.4	0.377
R614935		16.1	11.2	1540	24.3	0.368
R614936		10.7	15.0	991	33.5	0.030
R614937		8.7	14.7	304	33.5	0.027
R614938		7.6	15.2	259	34.4	0.027
R614939		6.8	10.5	415	29.2	0.179
R614940		9.3	15.7	164	36.7	0.012
R614941		10.3	14.1	336	30.1	0.105
R614942		5.5	12.1	907	31.0	0.348
R614943		7.6	14.8	285	36.1	0.044
R614944		19.3	12.8	474	26.6	0.024
R614945		23.2	10.5	117	22.7	0.030
R614946		17.0	14.5	198	36.5	0.017
R614947		60.7	14.9	248	30.9	0.114
R614948		27.0	14.3	143	33.3	0.092
R614949		15.1	10.2	4670	34.8	1.325
R614950		0.1	0.8	22	<0.5	<0.005
R614951		11.6	10.1	839	37.9	0.107
R614952		10.0	12.9	264	36.4	0.306
R614953		5.6	13.2	219	38.3	0.023
R614954		7.5	12.1	127	38.3	0.069
R614955		9.7	11.4	402	36.1	0.111
R614956		9.1	14.5	515	41.8	0.022

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 10-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129511

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129512

Project: Klaza

P.O. No.: Batch 98

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

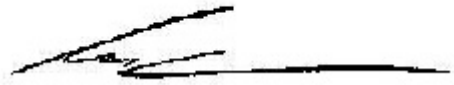
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129512

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R614957		7.42				4.67	7.39	82.8	580	1.56	11.25	1.15	4.78	52.0	10.3	16
R614958		8.02				4.80	7.37	180.0	570	1.53	7.27	1.41	4.61	51.4	6.8	15
R614959		7.50				1.65	7.42	42.1	410	1.64	3.19	1.81	5.64	49.7	7.2	13
R614960		4.66				0.52	7.49	16.8	1350	1.55	1.13	2.36	1.04	50.2	6.9	14
R614961		2.40				0.57	7.94	21.1	1040	1.55	1.19	2.43	1.15	51.9	7.0	16
R614962		6.32				7.93	7.91	86.9	320	1.80	43.4	1.84	8.50	54.8	9.1	15
R614963		5.00				0.30	7.32	8.5	2090	1.69	0.96	2.32	0.76	46.8	6.6	28
R614964		5.64				3.47	7.17	59.2	630	1.54	4.13	1.61	9.62	36.2	10.6	116
R614965		5.70				3.50	7.02	83.6	390	1.63	4.16	2.34	22.5	33.1	10.1	112
R614966		0.32				4.71	7.08	736	370	1.85	3.62	2.16	11.95	52.8	13.0	26
R614967		8.14				0.49	7.53	19.9	740	1.80	1.62	2.46	1.49	44.4	8.7	21
R614968		4.66				0.43	7.35	20.0	330	1.68	1.34	2.44	0.56	45.7	7.2	14
R614969		7.30				0.30	7.68	13.8	2540	1.77	1.32	2.62	0.62	49.1	6.8	15
R614970		<0.02				0.36	8.03	14.1	2270	1.81	1.34	2.68	0.67	54.1	7.0	20
R614971		4.36				1.08	7.06	166.5	150	1.59	4.53	2.00	0.84	47.1	14.3	14
R614972		5.96				1.65	7.43	144.0	320	1.58	5.94	2.04	2.27	50.0	9.3	15
R614973		4.42				2.74	7.11	129.0	280	1.61	5.82	1.69	5.61	46.3	6.9	13
R614974		6.78				0.02	0.08	0.4	90	0.06	0.11	20.9	0.09	1.46	0.6	1
R614975		7.22				0.90	7.12	59.8	420	1.35	2.66	2.33	1.07	48.6	5.8	12
R614976		4.66				0.94	7.09	30.1	230	1.52	3.54	2.26	1.83	51.1	4.3	11
R614977		5.84				0.81	6.72	44.9	130	1.70	4.21	2.38	1.07	45.7	7.9	12
R614978		3.04				0.82	6.49	74.9	450	1.21	2.06	2.36	1.68	46.0	11.5	10
R614979		2.88				0.67	7.28	45.0	2180	1.57	1.68	2.38	0.88	44.5	4.8	10
R614980		0.32	118	0.967	1.630	>100	5.50	8210	750	1.17	63.5	1.96	230	35.2	9.0	18
R614981		7.26				0.91	7.31	24.2	340	1.59	5.84	2.07	0.92	52.0	5.9	13
R614982		5.66				0.69	7.41	27.4	2030	1.54	9.67	2.47	0.57	43.5	4.9	14
R614983		3.62				1.74	7.19	32.2	1840	1.46	4.45	2.16	2.54	40.0	6.6	11
R614984		4.96				0.91	7.19	27.2	1800	1.53	3.48	2.08	2.05	44.1	7.5	12
R614985		4.28				3.64	7.56	138.0	510	1.67	13.35	1.82	2.02	55.5	5.6	11
R614986		1.46				13.10	7.51	207	340	1.73	28.4	2.81	1.64	51.7	5.7	10
R614987		5.76				2.37	6.99	64.8	1990	1.52	14.25	3.14	1.28	48.9	7.3	10
R614988		3.98				4.06	7.39	79.3	1820	1.77	14.85	2.12	2.73	49.7	5.7	10
R614989		5.90				22.0	6.62	574	430	1.35	33.6	0.77	63.2	41.5	4.9	10
R614990		6.02				0.07	0.08	2.2	90	<0.05	0.39	20.2	0.20	1.27	0.7	1
R614991		5.48				2.57	7.20	107.5	480	1.48	6.47	2.09	3.35	47.9	5.9	11
R614992		6.00				3.03	7.33	95.9	380	1.44	7.03	1.84	2.47	50.2	6.9	12

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129512

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614957		13.25	363	5.10	17.15	0.21	1.3	0.602	3.11	27.9	14.3	0.66	763	2.44	0.05	6.5
R614958		14.15	277	5.11	16.55	0.19	1.4	0.551	3.28	28.2	13.3	0.69	739	3.56	0.35	6.5
R614959		13.85	99.9	4.15	16.55	0.19	1.4	0.244	3.14	26.5	21.4	0.72	631	2.05	0.37	7.1
R614960		12.20	136.0	3.43	16.35	0.21	1.5	0.088	2.99	27.3	11.0	0.71	535	1.64	1.37	7.4
R614961		12.45	151.0	3.74	16.60	0.22	1.6	0.092	3.16	28.1	11.0	0.72	555	1.18	1.44	7.5
R614962		16.00	497	5.25	17.50	0.24	1.6	0.441	3.40	29.2	13.2	0.68	676	2.32	0.38	7.7
R614963		12.20	47.7	3.28	16.55	0.20	1.6	0.091	2.91	24.4	11.3	0.79	500	1.66	1.75	7.5
R614964		12.50	297	7.21	16.55	0.08	1.7	0.362	2.95	18.2	16.0	1.57	706	1.82	0.23	5.3
R614965		13.85	303	6.63	17.20	0.08	1.7	0.979	3.05	17.5	28.9	1.67	1060	1.99	0.05	5.0
R614966		14.35	336	5.21	16.60	0.11	1.6	0.318	3.04	30.0	30.5	0.80	2020	15.10	0.15	6.7
R614967		11.45	31.6	4.12	16.35	0.08	1.6	0.111	2.84	22.4	20.2	0.77	478	1.54	1.02	8.0
R614968		11.85	73.1	4.44	15.50	0.11	1.8	0.076	2.73	23.3	18.0	0.72	473	1.66	1.66	7.7
R614969		12.10	32.5	3.52	16.75	0.11	1.7	0.112	2.76	25.4	15.7	0.81	533	1.43	2.14	8.5
R614970		12.60	34.0	3.59	17.10	0.11	1.9	0.125	2.83	28.3	15.7	0.84	532	1.74	2.19	8.5
R614971		11.60	106.0	5.42	16.15	0.12	1.3	0.152	2.69	25.3	14.4	0.72	450	2.43	1.22	6.4
R614972		12.80	482	4.64	16.65	0.09	1.3	0.156	2.99	26.6	16.9	0.80	561	3.98	0.70	6.7
R614973		18.60	206	5.10	15.05	0.12	1.3	0.184	3.10	24.8	13.0	0.66	470	2.07	0.06	6.1
R614974		0.57	2.3	0.47	0.27	0.12	<0.1	0.006	0.04	0.7	1.6	13.00	213	0.07	<0.01	0.3
R614975		13.20	224	3.81	14.45	0.10	1.4	0.131	2.95	25.1	18.1	0.73	594	1.80	0.24	6.9
R614976		10.25	59.0	4.44	14.35	0.08	1.6	0.130	2.83	25.8	16.9	0.66	406	1.88	0.66	7.3
R614977		9.99	95.0	5.33	14.70	0.09	1.4	0.111	2.73	23.2	13.6	0.60	364	2.21	0.33	6.7
R614978		10.65	235	3.78	14.60	0.09	1.4	0.171	2.53	24.0	21.6	0.66	480	1.73	0.07	6.6
R614979		16.70	109.0	3.13	15.85	0.11	1.4	0.125	2.69	22.9	25.6	0.78	667	1.36	0.60	7.7
R614980		11.60	1310	8.04	12.70	0.08	1.1	4.68	2.26	17.4	31.9	0.63	3070	14.75	0.08	5.6
R614981		9.46	136.5	4.03	15.10	0.08	1.5	0.121	2.81	27.7	9.3	0.66	356	2.15	1.46	7.2
R614982		10.50	182.0	3.27	16.45	0.08	1.5	0.168	2.76	21.8	11.5	0.78	421	1.23	1.78	7.8
R614983		10.20	117.0	2.86	15.80	0.10	1.6	0.292	3.19	19.1	33.2	0.42	430	1.04	0.09	8.2
R614984		11.75	66.2	3.72	15.90	0.09	1.5	0.152	3.12	22.0	20.9	0.59	570	1.10	0.29	7.5
R614985		13.55	261	4.12	18.25	0.09	1.5	0.221	3.11	30.7	23.0	0.74	1010	1.06	0.17	7.6
R614986		14.40	391	4.11	18.55	0.12	1.3	0.352	3.28	27.5	7.4	1.19	2680	0.82	0.04	7.8
R614987		14.15	287	3.45	16.80	0.10	1.3	0.250	3.15	25.0	17.9	0.69	640	0.79	0.65	7.7
R614988		14.25	346	3.60	16.90	0.10	1.4	0.341	3.34	26.3	21.1	0.72	551	1.32	0.36	7.8
R614989		11.55	947	7.12	17.70	0.09	1.1	1.940	3.00	21.5	6.7	0.48	1780	0.92	0.04	5.5
R614990		0.19	3.7	0.47	0.23	0.09	<0.1	0.009	0.02	0.6	1.1	12.40	205	0.10	0.01	0.2
R614991		15.05	242	4.06	15.45	0.10	1.2	0.295	3.35	24.0	23.8	0.61	708	1.11	0.19	7.0
R614992		14.45	150.0	4.58	14.75	0.09	1.1	0.263	3.17	27.4	14.8	0.87	1120	1.46	0.04	6.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129512

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614957		2.7	550	89.4	159.0	<0.002	3.31	60.1	10.0	2	7.1	56.8	0.51	0.40	14.40	0.204
R614958		2.5	540	161.5	152.0	<0.002	2.88	38.6	9.7	2	6.2	107.0	0.54	0.25	14.85	0.207
R614959		2.3	580	181.0	135.5	<0.002	2.45	21.2	10.9	2	6.0	128.5	0.53	0.20	14.45	0.227
R614960		2.5	560	62.7	129.0	0.002	1.39	2.40	10.1	2	4.3	263	0.59	0.07	15.35	0.228
R614961		2.5	600	68.2	134.5	<0.002	1.61	2.61	10.4	1	4.5	271	0.60	0.08	16.35	0.239
R614962		2.8	610	577	164.0	0.002	3.43	60.9	11.6	3	7.3	124.5	0.58	0.59	15.40	0.239
R614963		5.7	550	48.8	111.5	<0.002	1.14	1.65	10.2	1	3.6	303	0.60	0.07	14.15	0.226
R614964		41.9	610	397	160.5	<0.002	5.60	8.27	12.7	3	6.1	102.0	0.46	0.30	8.97	0.205
R614965		40.7	640	247	175.5	<0.002	4.12	11.60	12.3	1	6.3	112.5	0.43	0.28	8.18	0.198
R614966		16.3	540	515	165.0	0.006	2.80	30.2	10.1	1	6.0	115.5	0.53	0.34	12.55	0.213
R614967		5.3	610	42.9	103.5	<0.002	2.11	5.62	10.6	1	4.0	214	0.68	0.14	11.85	0.248
R614968		2.5	560	34.8	108.5	<0.002	2.69	4.11	9.8	2	3.6	262	0.71	0.09	13.65	0.226
R614969		2.7	600	39.9	112.0	<0.002	1.18	2.57	11.1	1	5.3	359	0.78	0.14	13.10	0.252
R614970		2.8	610	40.6	121.5	<0.002	1.19	2.61	11.4	1	5.3	367	0.81	0.11	14.55	0.258
R614971		2.8	540	87.3	129.5	<0.002	3.88	6.53	9.5	1	11.3	204	0.53	0.58	11.50	0.205
R614972		2.5	570	92.6	153.0	<0.002	3.08	32.0	10.1	1	8.9	164.0	0.55	0.64	12.50	0.220
R614973		2.1	540	247	169.5	<0.002	4.17	39.8	9.6	2	9.6	64.6	0.52	0.57	12.85	0.203
R614974		1.4	180	2.1	2.9	<0.002	0.01	0.14	0.2	<1	0.2	50.7	<0.05	<0.05	0.26	<0.005
R614975		1.8	550	44.4	140.5	<0.002	2.62	10.85	8.6	<1	7.3	114.5	0.59	0.34	12.85	0.222
R614976		2.0	530	74.2	127.5	<0.002	3.24	9.29	9.0	2	6.7	151.5	0.65	0.33	13.35	0.217
R614977		2.1	520	45.4	130.5	<0.002	4.44	9.94	8.5	1	8.9	101.0	0.63	0.64	12.70	0.192
R614978		2.4	510	44.9	124.0	<0.002	2.21	11.75	8.7	1	6.4	95.6	0.62	0.38	11.85	0.201
R614979		2.1	560	41.7	106.5	<0.002	0.81	9.34	9.4	1	4.4	151.0	0.64	0.18	13.50	0.232
R614980		13.9	460	10000	133.5	0.003	7.06	217	7.3	<1	8.7	124.5	0.45	0.47	8.68	0.181
R614981		2.2	520	48.0	119.0	<0.002	2.56	2.54	9.0	1	4.7	230	0.68	0.49	14.35	0.220
R614982		2.3	590	29.2	112.0	<0.002	1.11	6.69	10.0	1	6.0	257	0.65	0.57	13.15	0.245
R614983		3.0	580	87.7	120.0	<0.002	1.15	12.65	8.7	1	6.1	95.7	0.70	0.27	12.30	0.249
R614984		2.3	560	78.3	116.5	<0.002	1.28	8.13	9.5	<1	5.3	112.0	0.68	0.26	13.20	0.229
R614985		2.3	570	82.9	156.0	<0.002	2.26	26.3	10.0	1	8.0	92.9	0.66	0.68	15.60	0.229
R614986		2.3	660	142.5	171.0	<0.002	2.80	21.4	11.6	<1	8.4	70.5	0.60	1.85	12.85	0.257
R614987		2.5	560	52.5	124.5	<0.002	1.14	19.85	10.0	1	6.6	210	0.61	0.66	12.40	0.236
R614988		2.2	600	125.0	145.0	<0.002	1.15	10.25	10.4	1	6.5	145.0	0.64	0.52	14.10	0.242
R614989		2.0	490	1970	173.5	<0.002	7.05	28.0	8.6	1	18.3	27.2	0.45	0.92	11.75	0.176
R614990		1.5	180	6.0	1.3	<0.002	0.01	0.15	0.2	<1	<0.2	49.2	<0.05	<0.05	0.13	0.005
R614991		2.0	550	73.0	145.0	<0.002	2.54	7.77	8.9	1	6.9	117.0	0.57	0.45	13.00	0.227
R614992		2.0	530	130.5	164.5	<0.002	3.22	6.41	8.7	1	7.7	82.5	0.51	0.54	12.70	0.214

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129512

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614957		2.35	4.3	64	13.1	12.6	428	37.9	0.072
R614958		2.17	5.1	62	13.8	12.0	465	39.7	0.190
R614959		2.11	4.4	67	12.7	13.5	479	40.1	0.027
R614960		1.79	4.1	64	8.1	14.8	119	43.4	0.023
R614961		1.72	4.2	68	9.6	15.1	125	47.0	0.026
R614962		2.38	5.5	70	12.8	15.5	720	46.0	0.036
R614963		1.68	4.1	66	5.7	13.7	102	47.7	0.007
R614964		2.63	4.1	91	16.0	9.8	787	51.8	0.053
R614965		3.05	4.5	91	12.4	9.4	1710	50.3	0.073
R614966		2.80	5.6	68	6.0	12.3	935	31.7	0.355
R614967		1.75	4.0	72	9.1	14.6	147	44.5	0.022
R614968		1.57	5.1	64	9.2	14.6	69	49.8	0.041
R614969		1.60	5.1	72	5.3	16.7	90	45.5	0.025
R614970		1.66	5.6	73	5.6	17.5	89	47.4	0.029
R614971		1.90	4.2	68	9.0	13.6	98	32.8	1.750
R614972		2.28	4.7	66	8.1	13.6	210	36.7	0.532
R614973		2.47	3.5	66	13.8	12.0	440	34.0	0.260
R614974		<0.02	0.8	2	0.2	0.9	18	0.5	<0.005
R614975		2.22	3.6	62	9.5	12.9	106	36.3	0.102
R614976		1.95	4.6	61	11.4	13.6	139	40.0	0.057
R614977		2.06	5.2	59	14.0	13.3	92	36.5	0.095
R614978		1.99	5.4	60	5.5	13.5	135	34.4	0.087
R614979		1.85	7.1	62	7.3	14.2	92	39.0	0.045
R614980		2.20	5.4	53	4.7	9.2	>10000	32.7	4.50
R614981		1.73	5.1	60	9.6	13.3	86	39.8	0.054
R614982		1.83	5.9	70	6.5	14.4	64	38.1	0.050
R614983		2.12	4.4	62	7.2	12.0	241	41.3	0.055
R614984		2.22	9.3	64	6.1	13.5	213	39.7	0.054
R614985		2.49	5.2	63	10.0	12.9	209	39.6	0.427
R614986		3.10	4.1	75	12.0	12.4	168	37.5	0.162
R614987		2.34	7.1	65	5.8	14.9	138	34.6	0.121
R614988		2.48	6.4	67	6.4	12.9	274	37.6	0.105
R614989		2.80	2.8	56	10.5	8.7	4340	29.7	0.739
R614990		<0.02	0.7	2	0.1	0.8	25	0.6	<0.005
R614991		2.71	6.6	65	6.7	12.4	330	32.0	0.200
R614992		2.85	3.4	63	9.8	11.4	244	29.7	0.070

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129512

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-35a	PUL-35ad
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			

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Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129513

Project: Klaza

P.O. No.: Batch 101

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

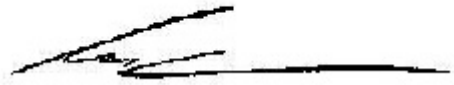
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-SEP-2016
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CERTIFICATE OF ANALYSIS VA16129513

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R616012		2.08				0.29	7.19	32.8	1150	1.51	0.19	2.23	0.65	41.0	5.3	20
R616013		2.40				27.3	6.10	823	2110	1.40	43.0	2.10	14.95	43.8	6.7	16
R616014		3.36				0.25	7.32	39.8	1720	1.60	0.31	1.96	1.03	45.1	5.1	17
R616015		5.40				8.91	8.04	69.3	2390	1.56	17.35	0.97	5.04	58.1	5.3	18
R616016		5.72				17.10	6.45	1445	910	1.67	6.98	0.80	158.5	49.0	7.8	13
R616017		2.22				0.75	7.20	43.7	1250	1.70	0.95	2.00	3.06	50.6	8.1	14
R616018		2.62				2.08	6.87	39.8	1830	1.70	0.19	4.03	5.46	48.7	6.3	13
R616019		1.28			1.330	12.50	7.20	859	570	1.52	0.23	2.18	109.5	55.0	5.7	13
R616020		5.90				0.04	0.12	1.5	30	0.10	0.04	20.8	0.14	1.51	0.7	1
R616021		0.96				0.10	7.36	19.4	2780	1.90	0.15	4.49	0.25	67.2	7.3	22
R616022		2.68				1.86	7.37	211	1130	1.54	0.22	4.24	10.35	58.4	7.5	16
R616023		1.32				0.08	7.50	9.1	2610	1.63	0.11	2.50	0.18	44.4	6.3	12
R616024		0.30				10.90	6.73	1605	440	1.50	12.45	1.88	30.8	48.0	19.0	19
R616025		1.38				0.42	7.63	31.1	2090	1.77	0.32	2.39	0.72	47.1	8.1	22
R616026		1.90				4.11	8.52	317	150	2.47	2.29	1.78	10.90	68.1	9.0	26
R616027		1.64			1.175	47.5	4.26	2870	1220	1.14	21.4	0.76	149.5	23.9	11.9	9
R616028		1.30				2.53	7.56	87.8	1250	1.51	0.74	0.70	4.62	50.5	5.0	13
R616029		1.08				1.80	7.72	91.7	600	1.74	1.18	1.19	2.60	51.9	6.9	13
R616030		1.90				9.05	7.33	739	470	1.67	6.11	1.93	24.0	47.6	7.4	14
R616031		5.74				0.93	7.49	322	1870	1.71	1.01	2.12	1.47	44.3	7.9	16
R616032		2.58				0.22	7.54	42.7	1780	1.66	0.15	2.68	1.15	48.9	5.8	17
R616033		2.20			1.505	33.1	6.34	3400	130	1.29	6.26	0.26	143.5	37.0	3.4	17
R616034		1.76				2.42	7.95	162.0	860	1.69	0.49	1.09	19.30	55.1	6.7	19
R616035		6.04				0.02	0.10	<0.2	30	0.06	0.03	21.2	0.13	1.14	0.7	1
R616036		1.52				0.20	7.45	121.0	2450	1.44	0.45	1.83	0.92	44.6	7.4	13
R616037		3.80				0.10	7.43	10.8	2130	1.49	0.15	2.37	0.24	43.4	7.4	12
R616038		1.28			1.875	20.7	6.73	6980	410	1.48	4.59	1.62	175.0	48.3	7.4	13
R616039		1.64				0.13	7.93	12.2	2490	1.73	0.24	2.47	0.42	53.7	7.7	15
R616040		2.38				1.30	7.53	56.2	2190	1.75	2.38	2.66	0.48	43.4	9.9	15
R616041		<0.02				1.19	7.88	50.4	2210	1.75	2.03	2.73	0.44	50.7	9.3	15
R616042		1.18				7.17	7.01	3990	250	1.60	3.60	2.47	58.5	50.1	11.2	13
R616043		2.08				0.17	7.70	14.2	3300	1.66	0.56	2.52	0.29	46.5	8.4	21
R616044		0.32	120	0.972	1.605	>100	5.52	8430	250	1.26	60.5	1.95	231	33.6	9.8	18
R616045		5.98				0.47	7.60	20.2	2120	1.55	0.63	2.46	0.93	47.8	9.0	18
R616046		1.62				0.16	7.60	7.8	2270	1.65	0.78	2.81	0.25	49.2	6.4	13
R616047		2.62				0.16	7.69	6.3	2650	1.54	0.82	2.49	0.25	49.5	9.1	19

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129513

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R616012		18.65	8.8	2.71	16.70	0.11	1.2	0.051	3.23	19.4	64.2	0.76	1220	4.51	0.05	8.1
R616013		9.01	249	7.65	14.70	0.12	0.9	0.221	2.91	22.4	10.3	0.78	2570	10.65	0.02	5.9
R616014		17.10	9.0	3.35	17.00	0.11	1.2	0.065	2.91	21.4	132.0	0.64	1300	3.34	0.07	8.3
R616015		12.50	18.0	4.55	17.35	0.14	1.2	0.203	3.10	29.7	38.6	0.68	1220	2.74	0.06	8.4
R616016		21.3	155.5	4.00	14.05	0.11	1.1	3.25	2.56	25.6	48.5	0.42	992	13.20	0.03	7.0
R616017		21.7	6.3	3.10	15.15	0.12	1.1	0.053	3.14	28.1	29.1	0.73	1300	1.84	0.03	6.2
R616018		12.40	27.4	2.60	14.85	0.12	1.3	0.045	2.86	25.8	18.2	0.56	1320	2.25	1.07	7.3
R616019		14.45	129.5	3.98	15.95	0.22	1.3	0.653	2.91	30.6	17.7	0.59	1160	1.12	0.82	6.9
R616020		0.96	1.6	0.47	0.36	0.16	<0.1	0.007	0.06	0.7	1.4	12.85	206	0.08	0.01	0.3
R616021		40.0	12.1	2.42	18.25	0.29	4.6	0.037	2.89	35.6	53.7	0.91	815	2.38	0.10	11.0
R616022		12.60	29.4	3.72	15.60	0.26	1.3	0.074	2.99	33.9	18.5	0.64	1570	1.19	0.43	7.3
R616023		14.50	5.4	2.80	16.55	0.21	1.2	0.041	2.89	23.4	14.4	0.68	517	0.90	2.08	7.6
R616024		14.80	297	6.59	15.75	0.20	1.1	0.837	2.93	26.3	18.6	0.77	1860	9.25	0.13	6.3
R616025		19.20	8.0	3.15	16.95	0.19	1.3	0.054	3.19	24.6	35.6	0.67	1040	1.53	1.51	8.2
R616026		28.7	106.5	3.29	22.0	0.20	4.8	0.413	1.31	34.4	750	0.78	1020	3.09	0.03	12.4
R616027		17.45	826	7.25	9.82	0.17	0.7	2.96	1.56	11.7	44.2	0.32	1370	33.7	0.02	4.0
R616028		16.95	68.1	3.84	16.20	0.18	1.3	0.466	3.27	27.7	15.1	0.43	4080	2.92	0.02	7.2
R616029		16.30	53.6	4.64	17.55	0.20	1.2	0.448	3.41	27.9	16.9	0.58	4430	2.86	0.03	7.6
R616030		21.3	178.0	4.55	15.55	0.19	1.0	0.998	3.06	25.7	26.0	0.71	3820	2.97	0.03	6.8
R616031		16.00	45.8	3.49	17.55	0.18	1.1	0.209	3.20	22.2	30.0	0.61	1720	2.87	0.57	8.2
R616032		22.1	20.6	2.90	16.30	0.21	1.1	0.049	3.20	26.1	49.2	0.78	1320	2.13	0.42	7.5
R616033		9.13	974	5.61	14.25	0.18	0.9	2.85	2.93	19.2	17.0	0.27	851	3.29	0.02	5.5
R616034		17.05	44.8	3.94	16.80	0.19	1.0	0.293	3.27	30.1	53.1	0.47	1750	2.49	0.06	7.4
R616035		0.96	1.5	0.47	0.28	0.17	<0.1	<0.005	0.05	0.6	1.5	13.15	211	0.10	0.01	0.2
R616036		12.10	12.3	3.11	16.80	0.22	1.2	0.061	3.40	22.5	23.8	0.60	1120	2.70	0.11	7.6
R616037		13.70	15.7	2.92	17.30	0.20	1.3	0.048	3.08	22.8	26.1	0.60	605	1.93	0.73	8.4
R616038		12.40	332	4.68	15.20	0.19	1.0	7.29	3.13	26.5	11.6	0.61	2010	2.16	0.23	6.5
R616039		13.85	19.2	3.06	17.45	0.21	1.2	0.053	2.89	28.6	14.6	0.82	544	1.91	2.46	8.6
R616040		14.90	16.3	3.26	17.50	0.19	1.1	0.077	3.08	21.7	28.7	0.68	783	1.87	1.28	8.1
R616041		14.90	15.8	3.25	17.85	0.23	1.1	0.078	3.11	26.8	29.3	0.71	808	1.73	1.30	8.3
R616042		17.55	77.8	5.31	15.85	0.19	1.0	0.724	3.38	27.0	12.5	0.73	1910	1.95	0.04	5.6
R616043		19.35	24.7	2.81	17.50	0.19	1.2	0.056	2.99	24.6	65.3	0.69	608	1.74	1.81	8.2
R616044		12.15	1310	8.16	13.15	0.18	1.1	4.74	2.32	17.8	30.5	0.63	3180	14.80	0.08	5.4
R616045		11.20	31.3	3.20	16.85	0.19	1.1	0.098	2.86	24.8	13.5	0.73	667	1.47	1.98	8.1
R616046		9.75	23.9	2.85	17.05	0.20	1.2	0.088	2.74	26.3	13.8	0.75	637	2.02	2.15	8.2
R616047		11.45	12.0	3.07	16.95	0.18	1.1	0.078	2.82	26.3	13.3	0.82	646	1.37	2.32	7.9

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VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129513

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R616012		2.5	610	46.0	115.5	0.002	0.29	12.80	10.0	1	1.6	104.5	0.65	<0.05	10.55	0.257
R616013		2.8	520	2600	192.0	0.003	6.45	66.8	9.4	1	6.6	67.7	0.44	0.09	9.04	0.200
R616014		3.1	660	78.6	126.0	0.002	0.26	22.0	11.7	1	2.4	117.5	0.62	<0.05	11.60	0.270
R616015		2.5	640	92.0	161.0	0.003	0.73	14.35	12.1	1	3.3	69.7	0.63	0.07	14.25	0.267
R616016		3.4	520	3380	161.0	<0.002	2.52	70.9	8.3	1	3.4	74.8	0.54	0.08	12.30	0.202
R616017		2.5	510	93.0	180.5	0.002	1.81	15.10	9.1	1	1.3	64.6	0.52	0.23	13.55	0.195
R616018		2.6	520	653	110.5	0.003	0.35	5.18	9.0	1	2.0	235	0.64	0.06	12.90	0.216
R616019		2.9	570	4440	136.5	<0.002	2.60	13.80	9.4	1	4.2	162.0	0.55	<0.05	15.30	0.222
R616020		1.9	180	6.3	4.0	<0.002	<0.01	0.15	0.2	<1	0.2	50.1	<0.05	<0.05	0.19	<0.005
R616021		7.2	1350	25.4	99.4	<0.002	0.07	12.35	6.3	1	1.5	216	0.62	<0.05	8.98	0.349
R616022		2.5	570	588	146.5	<0.002	1.79	7.12	9.8	1	4.0	192.5	0.57	<0.05	15.60	0.225
R616023		2.3	550	20.9	103.0	<0.002	0.07	2.95	9.2	1	1.4	333	0.58	<0.05	13.55	0.237
R616024		12.6	540	1330	170.5	<0.002	4.67	60.4	9.5	2	8.5	99.0	0.47	1.11	12.25	0.211
R616025		2.7	590	70.5	128.5	<0.002	0.70	3.26	10.3	1	1.8	265	0.62	0.12	13.90	0.249
R616026		8.1	1470	482	48.5	<0.002	0.82	59.6	7.4	1	2.3	609	0.73	0.06	10.50	0.394
R616027		1.9	290	6500	101.5	<0.002	7.86	303	5.6	1	5.7	71.5	0.31	0.50	6.82	0.128
R616028		1.8	540	805	185.5	<0.002	1.39	33.6	9.1	1	4.6	34.0	0.61	0.06	14.65	0.224
R616029		2.2	610	488	201	<0.002	1.97	26.3	11.0	1	4.9	54.4	0.57	0.09	13.90	0.239
R616030		2.4	540	1300	171.0	<0.002	2.15	39.0	10.0	1	3.3	98.4	0.49	0.17	13.10	0.224
R616031		2.4	610	198.5	140.0	<0.002	0.45	15.00	10.6	1	2.8	158.0	0.58	0.05	13.10	0.253
R616032		2.5	600	55.4	134.5	<0.002	0.40	8.39	10.1	1	1.9	163.5	0.57	<0.05	13.75	0.251
R616033		2.2	450	6690	157.0	<0.002	6.19	190.5	7.9	1	12.0	11.9	0.42	0.13	10.75	0.188
R616034		2.3	610	1115	167.0	<0.002	2.26	22.2	10.4	1	3.1	65.4	0.53	0.06	15.35	0.249
R616035		1.8	190	5.3	4.3	<0.002	<0.01	0.25	0.1	1	0.2	48.9	<0.05	<0.05	0.17	<0.005
R616036		2.4	620	45.2	133.0	0.002	0.86	18.35	10.1	1	2.0	101.5	0.58	0.11	13.60	0.249
R616037		2.4	600	21.3	114.0	<0.002	0.08	8.41	10.1	1	1.9	179.5	0.64	<0.05	12.85	0.260
R616038		2.2	510	8670	186.0	<0.002	3.11	55.2	9.3	1	5.9	71.8	0.49	0.18	13.35	0.203
R616039		2.7	640	27.0	117.0	<0.002	0.32	1.82	11.5	1	1.8	387	0.62	<0.05	12.00	0.267
R616040		2.8	630	94.7	129.5	<0.002	0.58	5.60	10.8	1	2.6	234	0.59	0.23	12.60	0.255
R616041		2.8	630	87.1	140.5	<0.002	0.50	5.34	11.3	1	2.7	240	0.63	0.24	14.55	0.261
R616042		2.8	570	1305	230	<0.002	4.60	28.8	9.9	1	4.1	60.1	0.43	1.65	12.55	0.189
R616043		2.7	620	24.2	123.5	0.002	0.38	5.34	10.9	1	2.0	331	0.60	0.28	14.05	0.259
R616044		14.1	460	>10000	134.5	0.002	7.12	228	7.3	1	8.8	124.0	0.39	0.52	9.27	0.182
R616045		2.6	590	72.7	122.5	0.002	0.66	2.43	10.8	1	2.3	314	0.58	0.10	13.45	0.250
R616046		8.0	610	28.6	116.0	0.002	0.34	1.73	10.6	1	2.1	345	0.61	0.37	14.05	0.255
R616047		2.6	640	31.4	114.0	<0.002	0.65	1.55	10.8	1	2.0	408	0.56	0.28	14.30	0.256

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129513

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R616012		2.95	7.0	78	6.0	13.3	90	30.8	0.018
R616013		2.89	4.4	65	9.4	9.0	1020	23.7	0.461
R616014		2.33	5.3	80	5.0	15.0	122	30.2	0.008
R616015		2.23	3.8	75	11.3	14.4	440	31.6	0.029
R616016		2.48	8.7	56	4.2	12.5	9870	32.5	0.667
R616017		3.10	4.1	59	2.8	13.8	314	30.2	0.072
R616018		1.53	5.5	58	0.9	18.3	655	33.8	0.041
R616019		1.82	4.5	60	1.6	13.1	>10000	37.7	0.690
R616020		0.02	0.6	2	0.1	0.9	35	1.6	<0.005
R616021		1.76	3.9	65	2.2	12.7	102	187.5	<0.005
R616022		2.03	4.7	62	1.8	15.6	1300	34.0	0.066
R616023		1.18	4.1	63	0.8	14.6	51	31.7	<0.005
R616024		2.56	5.4	63	6.2	11.9	2480	31.8	0.894
R616025		1.85	4.8	67	0.9	14.9	116	32.5	0.016
R616026		1.11	10.0	77	10.9	11.9	1120	191.5	0.140
R616027		1.90	5.4	37	3.4	6.9	>10000	22.6	3.34
R616028		3.34	4.1	63	4.4	9.6	413	35.7	0.067
R616029		3.43	5.2	72	4.2	11.6	265	36.4	0.095
R616030		2.95	5.8	63	4.0	12.6	2400	31.0	0.463
R616031		2.35	4.0	71	2.8	13.8	207	31.9	0.142
R616032		2.40	3.9	69	2.2	15.2	193	31.9	0.017
R616033		2.47	2.2	57	3.5	7.6	>10000	24.1	1.055
R616034		2.97	3.5	69	3.5	12.6	1940	31.3	0.077
R616035		0.02	0.9	2	0.1	0.7	26	<0.5	<0.005
R616036		2.33	3.1	72	4.6	14.9	178	34.8	0.023
R616037		1.71	2.5	72	2.3	15.0	134	35.3	<0.005
R616038		2.65	3.6	58	3.0	12.3	>10000	30.9	0.565
R616039		1.21	2.7	73	1.2	17.5	102	37.0	<0.005
R616040		1.71	5.5	71	1.9	15.1	85	31.8	0.250
R616041		1.76	5.8	72	2.0	17.0	83	32.3	0.258
R616042		3.96	4.4	61	4.7	12.6	6770	27.6	0.762
R616043		1.59	4.3	71	1.0	15.8	68	33.4	0.016
R616044		2.23	5.6	54	4.8	9.3	>10000	34.1	4.34
R616045		1.47	3.5	70	1.2	15.0	139	31.9	0.188
R616046		1.27	2.8	70	1.2	16.8	74	35.7	0.005
R616047		1.32	3.2	71	1.2	17.0	71	32.4	<0.005

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Project: Klaza

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129513

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129515

Project: Klaza

P.O. No.: Batch 102

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129515

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R614993		1.52				3.03	7.32	90.8	260	1.48	8.75	0.30	1.05	59.9	5.7	12
R614994		1.46				28.4	5.08	599	410	1.07	20.3	0.71	5.55	12.70	5.3	11
R614995		1.46				2.17	7.69	87.3	1020	1.66	5.27	1.61	1.70	53.6	4.5	14
R614996		5.48				2.81	7.37	119.0	720	1.41	3.96	1.29	1.81	56.3	4.9	13
R614997		7.76				2.65	7.43	101.0	690	1.50	4.16	1.26	1.65	49.2	6.1	12
R614998		<0.02				2.70	7.62	109.5	780	1.55	4.42	1.30	1.86	52.7	6.6	14
R614999		3.62				5.36	6.90	200	370	1.57	9.01	1.08	2.27	47.5	5.1	12
R615000		0.76				17.80	4.34	1135	130	0.65	30.2	1.88	85.7	23.3	4.3	10
R615001		6.08				0.02	0.06	0.6	40	<0.05	0.05	21.1	0.11	1.27	0.5	<1
R615002		3.30				4.79	7.65	146.5	500	1.46	6.76	1.50	1.03	55.3	5.1	16
R615003		5.24				5.41	8.07	171.0	920	1.35	6.11	1.22	1.28	57.5	5.9	16
R615004		1.88				3.53	7.67	191.5	280	1.61	4.85	0.78	8.49	54.0	9.5	15
R615005		7.02				2.41	7.37	49.7	1930	1.57	7.29	2.13	3.12	48.3	6.8	17
R615006		0.32				4.97	6.95	759	560	1.45	3.55	2.10	10.35	50.1	13.3	26
R615007		4.76				10.65	7.67	69.4	1020	1.66	24.0	1.59	3.04	61.0	7.4	19
R615008		5.96				4.03	7.20	138.5	310	1.57	7.46	1.34	2.67	52.3	9.1	21
R615009		2.26				4.63	7.22	268	720	1.38	6.86	1.32	1.88	42.4	5.3	16
R615010		6.02				0.02	0.07	0.3	40	0.05	0.06	21.8	0.08	1.15	0.5	1
R615011		5.38				1.49	7.91	21.3	1860	1.48	3.02	2.29	0.99	50.9	8.4	16
R615012		0.32	119	0.972	1.615	>100	5.77	8830	1020	1.07	65.0	2.02	242	35.4	9.5	19
R615013		6.74				1.25	7.69	22.0	2180	1.47	2.97	2.43	0.98	51.1	6.8	17
R615014		7.16				9.74	7.76	66.9	640	1.48	26.2	1.90	1.76	62.8	6.7	14
R615015		4.02				1.45	7.62	88.0	490	1.40	3.99	1.61	0.94	53.2	5.8	17
R615016		3.08				1.38	7.59	119.5	450	1.47	4.24	1.36	0.86	51.2	7.5	14
R615017		7.54				8.40	7.56	131.0	430	1.51	20.1	1.56	1.21	53.1	7.9	15
R615018		3.14				8.12	7.44	118.0	370	1.50	21.4	1.59	1.13	52.0	6.5	19
R615019		4.48				0.68	8.86	60.2	2190	1.60	3.65	0.23	3.91	54.0	8.2	12
R615020		2.74				7.65	8.20	124.5	1700	1.31	14.45	0.08	2.24	56.5	4.9	13
R615021		6.84				1.79	6.33	66.1	560	1.08	6.40	0.04	0.35	42.1	4.3	18
R615022		6.08				0.04	0.05	1.5	60	<0.05	0.07	21.5	0.10	1.17	0.5	<1
R615023		7.08				0.92	8.33	108.5	2770	1.24	7.53	0.20	1.44	63.8	9.1	13
R615024		4.90				6.45	7.22	87.7	230	1.31	25.0	1.91	6.39	38.2	8.1	24
R615025		4.00				1.33	7.79	27.4	320	1.36	8.93	1.92	1.64	46.1	8.8	14
R615026		7.32				0.37	7.97	35.1	2220	1.44	5.03	2.46	0.23	52.9	9.0	15
R615027		7.18				0.53	7.27	149.5	540	1.31	8.84	2.64	0.52	54.9	55.3	16
R615028		3.60				1.33	6.49	103.0	680	1.13	6.86	2.59	2.99	36.3	60.1	14

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 9-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129515

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R614993		8.66	66.9	5.13	17.00	0.11	1.1	0.254	3.53	32.8	7.6	0.46	306	2.72	0.05	6.6
R614994		6.40	4070	10.05	10.70	0.06	0.8	3.81	2.24	6.5	9.8	0.40	557	3.22	0.04	3.1
R614995		15.35	125.5	3.21	16.80	0.07	1.2	0.242	3.11	29.7	25.2	0.70	1280	1.84	0.05	7.5
R614996		13.25	275	4.22	16.35	0.11	1.2	0.344	3.49	31.1	15.1	0.72	844	1.04	0.07	6.9
R614997		13.25	266	3.98	16.50	0.08	1.1	0.331	3.32	26.9	21.1	0.69	926	1.02	0.08	7.0
R614998		14.15	283	4.13	17.75	0.11	1.2	0.350	3.39	29.3	22.7	0.71	950	1.42	0.08	7.5
R614999		11.40	529	5.16	16.70	0.11	1.0	0.599	3.14	26.3	20.8	0.73	763	3.32	0.04	5.6
R615000		5.59	514	12.70	12.45	0.12	0.6	1.785	1.99	11.3	6.2	0.70	2810	2.22	0.03	3.2
R615001		0.14	2.0	0.49	0.15	0.05	<0.1	<0.005	0.02	0.6	0.7	13.10	215	0.25	0.01	0.2
R615002		17.00	549	5.37	16.20	0.13	1.1	0.396	3.75	28.9	8.6	0.78	924	1.96	0.13	7.2
R615003		15.20	587	4.51	17.70	0.15	1.2	0.446	3.67	30.6	14.1	0.75	774	2.08	0.08	7.7
R615004		11.90	204	5.67	16.65	0.14	1.1	0.382	3.51	28.2	7.7	0.64	1150	2.06	0.05	6.4
R615005		14.35	214	3.68	15.90	0.13	1.3	0.264	3.21	24.1	17.7	0.74	684	2.22	1.14	7.6
R615006		13.95	323	5.10	15.40	0.15	1.1	0.316	2.96	26.4	25.7	0.78	1920	14.55	0.15	6.4
R615007		14.70	267	4.16	17.00	0.15	1.3	0.447	3.35	31.5	21.2	0.73	797	1.76	0.46	7.8
R615008		15.30	319	5.47	15.55	0.15	1.1	0.426	3.15	27.1	13.3	0.76	886	5.43	0.06	6.3
R615009		14.15	520	5.65	15.75	0.14	1.1	0.398	3.21	20.8	9.7	0.67	991	4.82	0.05	6.4
R615010		0.21	2.6	0.50	0.17	0.05	<0.1	0.005	0.03	0.5	0.9	13.50	223	0.10	0.01	0.2
R615011		12.65	173.5	4.17	16.65	0.12	1.5	0.247	3.30	25.2	15.4	0.77	615	2.19	1.28	8.4
R615012		11.95	1340	8.41	12.70	0.12	1.2	4.80	2.37	17.1	25.6	0.65	3230	15.75	0.09	5.6
R615013		11.80	85.3	3.62	16.45	0.12	1.4	0.245	3.00	25.5	14.4	0.82	626	2.10	1.43	8.4
R615014		16.05	651	4.70	16.05	0.13	1.4	0.980	3.45	32.8	16.7	0.85	683	1.38	0.46	7.8
R615015		13.90	55.1	4.97	15.70	0.14	1.0	0.215	3.41	28.1	14.8	0.66	825	1.61	0.23	7.1
R615016		13.10	80.8	4.72	16.45	0.12	1.2	0.206	3.43	26.6	8.8	0.74	1210	2.34	0.04	6.9
R615017		15.55	536	5.24	16.70	0.13	1.1	0.649	3.44	27.6	9.2	0.89	776	1.84	0.06	7.0
R615018		15.65	538	5.31	16.15	0.12	1.1	0.571	3.43	27.2	9.3	0.89	816	2.16	0.05	7.0
R615019		16.25	148.0	3.81	18.40	0.13	1.3	0.198	3.22	28.6	25.4	0.21	468	1.53	0.33	9.0
R615020		12.95	74.5	3.77	16.30	0.13	1.3	0.210	3.41	28.3	18.3	0.21	304	1.65	0.09	8.7
R615021		9.05	24.7	2.90	13.75	0.13	0.9	0.187	3.04	23.4	9.9	0.25	86	1.72	0.04	6.1
R615022		0.11	1.7	0.47	0.14	0.07	<0.1	<0.005	0.02	0.5	0.8	13.30	205	0.10	<0.01	0.1
R615023		23.0	52.4	4.25	18.50	0.14	1.1	0.231	3.56	35.1	8.7	0.29	193	1.62	0.05	7.9
R615024		14.50	787	6.50	15.65	0.12	1.0	0.387	2.98	18.8	7.3	0.74	711	1.62	0.23	7.0
R615025		14.95	137.5	4.52	16.10	0.12	1.2	0.112	3.20	22.7	8.2	0.57	630	1.44	1.05	8.0
R615026		15.20	58.7	3.46	17.00	0.13	1.2	0.120	2.95	27.8	27.4	0.88	512	1.36	0.60	8.2
R615027		16.90	88.3	3.77	16.35	0.13	1.1	0.159	3.37	31.2	10.6	0.87	517	2.78	0.41	7.2
R615028		16.30	68.4	4.62	16.00	0.11	0.9	0.136	3.02	20.1	13.0	1.02	1010	7.08	0.05	5.5

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Finalized Date: 9-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS VA16129515

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R614993		2.4	570	81.0	244	<0.002	4.93	11.20	10.9	1	13.3	35.5	0.55	0.81	13.60	0.214
R614994		1.7	280	191.0	120.5	<0.002	>10.0	204	5.7	1	8.4	22.6	0.28	1.25	8.01	0.103
R614995		2.3	590	70.1	140.5	<0.002	1.66	8.93	8.9	1	3.8	111.0	0.63	0.39	14.60	0.231
R614996		2.0	530	69.3	169.0	<0.002	2.28	11.25	9.5	1	6.7	79.0	0.57	0.41	14.50	0.216
R614997		2.2	550	68.0	168.5	<0.002	2.14	14.45	9.0	1	5.6	87.0	0.58	0.47	14.20	0.214
R614998		2.4	550	69.0	177.0	<0.002	2.23	15.30	9.6	1	6.1	91.9	0.63	0.42	14.85	0.218
R614999		2.0	520	63.9	193.5	<0.002	3.81	9.25	9.0	<1	9.3	51.2	0.48	0.64	13.30	0.182
R615000		2.0	320	2980	142.0	<0.002	>10.0	15.90	5.8	1	10.3	32.0	0.26	1.27	7.58	0.103
R615001		1.6	250	3.7	1.1	<0.002	0.02	0.10	0.1	1	<0.2	47.1	<0.05	<0.05	0.11	<0.005
R615002		2.5	590	63.6	182.5	<0.002	3.22	9.26	10.0	1	6.8	95.1	0.58	0.46	13.25	0.218
R615003		2.6	610	45.7	206	<0.002	2.03	43.8	10.8	1	6.4	71.5	0.62	0.28	14.40	0.238
R615004		2.5	560	452	208	<0.002	4.37	27.0	10.0	1	11.3	31.8	0.53	0.40	13.65	0.199
R615005		2.6	580	94.2	145.5	<0.002	1.43	3.69	10.2	1	5.6	229	0.60	0.77	13.60	0.226
R615006		15.1	550	491	173.5	0.006	2.76	29.1	9.8	1	5.8	111.0	0.49	0.25	11.40	0.202
R615007		2.6	600	192.5	166.0	<0.002	1.93	28.6	11.0	1	6.5	139.5	0.62	0.50	14.05	0.227
R615008		3.1	570	70.9	166.5	<0.002	3.66	48.6	10.2	1	8.4	60.3	0.47	0.47	12.35	0.198
R615009		2.3	520	82.0	187.0	<0.002	4.88	90.9	9.6	2	7.7	47.7	0.52	0.60	12.70	0.199
R615010		1.7	180	2.1	1.3	<0.002	0.02	0.26	0.2	<1	<0.2	49.7	<0.05	<0.05	0.09	<0.005
R615011		2.7	650	33.1	135.5	<0.002	1.74	4.72	11.6	1	5.2	232	0.68	0.49	13.30	0.260
R615012		13.9	490	>10000	140.0	0.002	7.36	229	7.5	1	8.7	126.5	0.43	0.52	8.56	0.184
R615013		2.4	630	45.8	123.5	<0.002	0.71	3.73	10.7	1	5.3	244	0.70	0.10	13.35	0.252
R615014		2.3	570	81.6	160.0	<0.002	2.34	2.61	10.5	1	8.0	142.5	0.64	0.60	14.40	0.230
R615015		2.5	590	46.5	182.0	<0.002	3.71	8.89	10.3	1	7.5	92.9	0.58	0.19	12.75	0.224
R615016		2.6	570	35.6	198.0	<0.002	3.73	13.45	10.4	2	8.2	45.9	0.55	0.40	13.50	0.211
R615017		2.5	570	61.5	187.0	<0.002	3.27	19.45	10.3	1	8.9	76.2	0.56	0.54	13.80	0.209
R615018		2.4	570	56.2	182.0	<0.002	3.32	18.25	10.1	2	8.6	76.0	0.57	0.48	13.35	0.208
R615019		2.8	680	27.8	154.0	<0.002	0.24	34.6	11.6	1	4.3	117.0	0.80	0.42	15.65	0.274
R615020		1.9	600	179.5	181.0	<0.002	0.51	19.15	11.6	1	6.3	84.8	0.72	0.61	13.95	0.272
R615021		1.3	300	189.0	177.5	<0.002	2.01	9.96	11.7	2	12.3	41.7	0.48	0.88	11.95	0.185
R615022		1.6	190	3.7	1.0	<0.002	0.01	0.16	0.1	<1	<0.2	49.5	<0.05	<0.05	0.08	<0.005
R615023		2.2	580	64.0	197.0	<0.002	0.98	14.80	10.3	2	8.1	76.7	0.63	0.93	14.95	0.243
R615024		5.5	540	434	139.5	<0.002	6.02	5.58	10.1	4	7.7	78.8	0.53	1.62	10.70	0.222
R615025		3.0	600	81.0	132.5	<0.002	2.94	2.15	10.4	2	6.1	190.5	0.65	0.67	12.80	0.242
R615026		2.9	620	17.7	128.0	<0.002	1.45	3.88	11.4	1	4.5	219	0.63	0.43	13.10	0.255
R615027		3.2	590	33.4	175.5	<0.002	2.56	5.70	9.6	1	6.7	154.0	0.55	2.04	12.45	0.222
R615028		3.2	480	178.5	172.5	<0.002	3.80	6.00	6.8	2	10.4	80.1	0.43	2.91	10.15	0.188

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129515

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R614993		2.97	3.1	72	12.4	10.0	82	28.6	0.056
R614994		1.87	2.5	38	4.9	6.1	484	21.3	0.330
R614995		2.97	7.9	63	6.7	13.3	177	33.9	0.034
R614996		2.75	4.7	63	8.1	11.3	186	31.5	0.061
R614997		2.48	4.9	58	8.2	11.5	167	31.5	0.061
R614998		2.67	5.2	59	8.6	12.7	172	34.3	0.059
R614999		2.83	3.9	57	9.8	7.7	225	22.5	0.247
R615000		1.48	2.7	41	8.5	5.7	7610	14.1	2.35
R615001		<0.02	0.6	3	0.1	0.8	25	<0.5	<0.005
R615002		2.82	6.4	67	11.8	11.8	134	33.0	0.142
R615003		2.99	5.5	69	10.2	12.1	144	33.6	0.266
R615004		3.27	6.6	62	11.8	8.7	879	29.9	0.152
R615005		2.30	4.9	65	9.7	13.4	321	35.3	0.052
R615006		2.70	5.3	67	5.8	11.9	896	30.5	0.363
R615007		2.49	6.6	68	6.7	13.9	313	34.7	0.036
R615008		2.67	5.0	64	7.8	10.9	287	31.9	0.261
R615009		2.95	5.1	65	13.9	10.0	192	32.1	0.316
R615010		<0.02	0.5	3	0.1	0.8	20	<0.5	<0.005
R615011		2.03	4.6	77	6.7	14.7	147	39.5	0.025
R615012		2.38	5.5	55	4.8	9.1	>10000	33.6	4.53
R615013		1.98	4.9	72	3.8	15.8	150	38.8	0.030
R615014		2.49	5.7	68	11.0	13.4	189	38.2	0.235
R615015		2.58	4.8	67	11.2	12.6	118	29.2	0.105
R615016		3.24	4.6	66	13.1	11.0	106	31.5	0.092
R615017		2.88	6.3	64	13.1	10.9	138	31.3	0.077
R615018		2.75	5.7	64	13.6	10.6	137	29.2	0.069
R615019		2.17	5.0	75	6.9	15.9	376	31.9	0.025
R615020		2.52	3.4	73	11.6	9.5	267	31.7	0.369
R615021		2.72	1.5	56	15.1	6.4	24	21.6	0.082
R615022		<0.02	0.5	2	0.1	0.7	22	<0.5	<0.005
R615023		3.41	3.6	69	9.7	10.6	244	27.5	0.047
R615024		2.33	3.0	65	17.4	13.1	500	25.5	0.112
R615025		1.88	3.0	67	12.9	16.4	204	31.5	0.019
R615026		1.76	3.9	73	7.1	14.4	57	28.9	0.019
R615027		2.74	4.6	69	5.8	14.9	72	31.2	0.108
R615028		2.89	4.3	67	5.2	10.0	344	25.4	0.348

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 9-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129515

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129519

Project: Klaza

P.O. No.: Batch 103

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

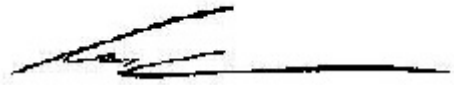
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129519

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R615029		4.62	2.44	6.48	126.5	1260	1.32	8.70	2.91	2.55	40.1	42.3	10	17.05	145.5	4.32
R615030		3.58	0.73	7.14	61.2	1420	1.42	4.97	3.02	1.16	51.3	16.6	11	18.35	60.3	3.33
R615031		5.18	0.16	6.87	29.8	2150	1.37	1.34	2.38	0.30	44.0	7.6	13	14.55	20.5	2.79
R615032		0.30	25.4	5.74	3350	1280	1.44	20.6	2.16	79.5	43.0	11.5	19	14.70	428	6.48
R615033		5.64	0.62	6.96	53.8	2070	1.60	3.11	2.44	0.58	40.3	10.4	12	14.75	115.0	2.96
R615034		4.32	0.25	7.05	37.1	1770	1.69	1.39	2.91	0.77	45.8	9.6	11	22.6	20.3	2.74
R615035		6.54	0.44	6.46	57.2	1820	1.47	4.48	2.74	2.25	86.7	26.0	10	15.90	47.6	3.35
R615036		<0.02	0.50	7.12	58.9	1540	1.59	5.10	2.83	2.05	111.0	29.4	12	17.65	51.1	3.61
R615037		1.68	0.62	4.77	91.7	3130	1.72	0.51	9.66	6.34	49.2	8.3	6	15.35	20.1	3.34
R615038		5.30	0.87	6.74	163.0	1400	1.66	4.70	2.45	1.45	60.5	119.0	12	21.6	39.2	5.00
R615039		6.02	0.04	0.05	<0.2	50	<0.05	0.04	20.5	0.07	1.03	0.7	1	0.13	3.4	0.44
R615040		3.28	0.30	7.02	18.5	2590	1.23	2.14	2.47	0.26	48.0	6.7	12	16.00	34.8	2.92
R615041		2.92	0.31	7.43	26.3	2030	1.78	1.26	2.40	0.43	52.4	8.0	13	17.15	14.1	3.33
R615042		0.94	11.35	3.46	716	270	1.22	20.1	2.61	16.60	21.5	57.5	9	4.82	63.2	18.00
R615043		4.54	0.26	7.57	39.0	2240	1.75	1.17	2.46	0.77	52.9	16.9	13	16.50	15.3	3.45
R615044		7.00	0.39	7.76	47.4	2140	1.60	1.08	2.27	0.58	56.6	8.6	12	13.85	14.2	3.79
R615045		3.44	1.66	7.73	91.5	1640	1.48	16.40	1.52	4.03	47.8	10.7	11	15.15	271	3.19
R615046		3.52	3.93	7.75	213	1880	1.77	25.5	1.76	5.00	58.8	9.2	11	16.10	486	4.05
R615047		3.88	0.51	7.98	51.4	2080	1.51	0.92	1.40	2.35	46.0	7.6	11	13.25	54.3	3.53
R615048		1.64	0.68	7.61	59.6	1950	1.57	1.53	1.37	2.12	44.1	7.2	10	14.25	53.4	3.41
R615049		2.92	0.99	7.84	85.7	1360	1.88	2.26	0.57	6.16	55.7	9.7	13	12.10	29.1	4.04
R615050		1.88	1.30	7.44	199.0	860	1.83	2.77	1.07	4.90	60.0	19.1	12	17.70	35.9	3.84
R615051		4.98	0.49	7.52	39.2	1990	1.95	1.95	2.15	1.38	73.9	37.5	11	16.50	22.1	3.15
R615052		4.32	0.52	6.95	121.0	350	1.65	31.4	1.94	3.73	65.7	153.0	12	15.30	19.5	5.46
R615053		3.58	0.81	6.90	75.8	1370	1.80	2.24	2.71	2.17	42.8	5.4	12	14.00	15.5	3.29
R615054		0.32	4.78	6.96	743	850	1.65	3.46	2.07	11.15	52.6	12.3	27	13.65	329	5.14
R615055		1.74	6.55	5.66	306	330	1.16	8.75	3.71	13.55	49.7	7.4	8	6.35	149.5	6.72
R615056		7.82	3.79	7.26	226	510	1.63	7.30	1.12	12.40	63.8	6.2	10	10.00	58.7	6.15
R615057		6.52	0.74	7.39	51.7	1550	1.86	1.55	1.52	3.98	53.8	4.9	13	16.90	25.5	3.75
R615058		6.48	0.59	7.24	37.4	2030	2.10	1.45	2.36	1.47	52.3	5.1	11	17.85	10.2	3.44
R615059		2.94	43.1	7.05	446	690	1.50	128.0	1.12	6.45	50.6	6.2	18	15.20	604	4.75
R615060		2.12	15.05	6.39	492	810	1.65	27.7	0.54	17.30	39.5	12.1	12	10.45	445	6.68
R615061		6.00	0.04	0.05	0.2	20	0.08	0.11	20.9	0.09	1.13	0.7	<1	0.18	3.6	0.47
R615062		2.78	0.63	6.78	53.8	1960	1.54	1.89	3.23	1.17	54.2	6.3	10	17.40	15.4	3.39
R615063		4.64	0.53	7.74	26.3	2350	1.63	1.48	1.55	1.21	49.4	6.3	12	10.70	28.1	2.94
R615064		1.54	1.40	7.59	142.0	520	1.44	4.31	0.67	0.70	49.8	6.2	13	12.40	28.3	4.66

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129519

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R615029		16.10	0.12	1.1	0.269	3.14	23.6	14.8	1.14	1660	5.00	0.05	6.7	3.0	500	122.0
R615030		16.90	0.17	1.3	0.176	3.03	29.0	17.6	1.08	643	3.47	0.07	7.7	2.8	550	26.4
R615031		16.10	0.20	1.4	0.091	2.81	24.0	14.0	0.68	461	1.54	1.87	8.2	2.2	560	18.2
R615032		14.15	0.10	0.9	1.710	2.56	23.2	22.9	0.88	1800	13.10	0.04	6.3	15.7	440	2770
R615033		17.10	0.19	1.5	0.133	3.00	22.2	17.0	0.71	486	1.88	2.06	8.5	2.4	590	20.3
R615034		16.30	0.20	1.4	0.113	2.78	25.4	23.7	0.87	850	1.49	1.06	8.3	2.3	580	19.8
R615035		16.00	0.16	1.3	0.111	2.64	53.3	31.2	0.80	1070	2.67	0.12	7.9	2.4	570	39.8
R615036		16.90	0.23	1.5	0.121	2.76	73.0	32.4	0.88	1040	2.83	0.12	8.3	2.7	560	36.5
R615037		10.75	0.12	0.9	0.047	2.04	30.4	8.0	3.62	6370	2.53	0.02	5.3	1.7	360	132.5
R615038		15.30	0.14	1.2	0.107	2.77	36.6	19.2	0.82	1130	2.54	0.10	7.0	5.5	490	41.5
R615039		0.21	0.23	<0.1	0.005	0.02	0.5	0.7	12.70	202	<0.05	<0.01	0.2	1.2	200	1.3
R615040		15.90	0.16	1.4	0.104	2.48	24.6	8.8	0.70	504	1.78	1.92	7.6	2.1	560	18.6
R615041		16.75	0.19	1.2	0.160	3.39	26.0	14.6	0.75	658	2.29	1.14	7.6	4.1	580	28.7
R615042		8.36	0.13	0.5	0.342	1.65	10.9	5.5	1.01	3170	3.23	0.02	2.9	2.8	230	439
R615043		16.40	0.18	1.2	0.154	2.94	26.0	15.5	0.77	735	1.69	1.67	7.9	2.5	610	36.8
R615044		17.25	0.18	1.2	0.131	3.17	28.6	16.2	0.75	618	1.88	1.65	8.2	2.3	620	36.3
R615045		17.25	0.16	1.1	0.217	2.03	22.3	86.1	0.48	1110	2.40	0.09	8.0	2.5	630	40.0
R615046		17.95	0.17	1.1	0.403	3.43	29.5	30.5	0.53	787	2.49	0.59	7.7	2.8	660	52.1
R615047		17.70	0.16	1.2	0.190	2.89	21.0	37.1	0.41	861	3.96	0.19	8.3	1.9	600	35.6
R615048		18.20	0.18	1.2	0.207	2.90	20.4	36.7	0.41	886	1.64	0.15	7.9	1.8	600	45.3
R615049		17.25	0.16	1.2	0.187	3.33	29.2	25.8	0.39	973	2.29	0.07	7.3	2.1	580	61.8
R615050		18.85	0.17	1.1	0.172	3.23	32.7	13.1	0.55	529	2.65	0.04	7.1	2.1	490	98.5
R615051		16.90	0.18	1.0	0.166	2.58	42.5	25.1	0.79	501	2.86	1.29	7.9	2.7	610	37.7
R615052		16.05	0.16	1.0	0.215	2.11	37.2	24.8	0.55	858	3.82	0.60	6.8	4.1	630	32.9
R615053		16.85	0.16	1.2	0.276	3.28	19.6	49.1	0.72	823	1.62	0.07	7.7	2.3	590	36.2
R615054		16.00	0.16	1.1	0.319	3.04	27.8	35.5	0.80	1940	15.25	0.15	6.4	14.2	550	521
R615055		13.25	0.13	0.8	0.368	2.70	25.9	11.3	1.49	4990	3.04	0.03	5.2	1.6	450	672
R615056		17.65	0.17	1.0	0.346	3.40	33.2	11.7	0.60	2330	1.90	0.04	6.7	2.0	560	282
R615057		15.90	0.17	1.0	0.410	2.77	28.0	59.5	0.58	1460	2.84	0.04	7.3	2.4	550	102.5
R615058		16.35	0.19	1.0	0.480	3.33	26.6	32.7	0.83	1120	2.17	0.47	7.6	2.2	600	100.0
R615059		15.70	0.15	0.9	0.978	3.19	27.5	31.9	0.55	1200	7.08	0.05	6.9	2.5	550	605
R615060		14.60	0.15	0.9	0.564	3.03	19.4	19.4	0.41	569	16.40	0.04	5.7	3.2	470	1430
R615061		0.23	0.24	<0.1	0.007	0.03	0.5	1.3	12.95	203	<0.05	<0.01	0.1	1.4	190	2.9
R615062		16.25	0.17	0.9	0.350	3.23	28.7	33.5	0.57	744	2.05	0.21	7.0	2.0	550	50.1
R615063		16.40	0.18	1.0	0.345	3.45	24.0	32.1	0.59	452	1.60	0.52	7.7	1.9	640	51.9
R615064		20.4	0.16	1.0	0.207	3.61	26.5	14.0	0.43	520	1.43	0.07	7.1	2.1	550	62.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129519

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R615029		170.5	<0.002	3.17	16.75	7.9	2	11.3	77.3	0.54	1.42	11.25	0.207	3.11	3.5	63
R615030		157.5	<0.002	2.11	6.89	9.5	1	7.6	101.5	0.61	0.53	13.65	0.232	2.71	4.6	63
R615031		108.0	<0.002	0.57	2.68	9.6	<1	3.6	302	0.66	0.14	12.20	0.244	1.77	3.6	66
R615032		158.5	<0.002	4.76	89.3	8.1	1	8.2	88.6	0.47	0.38	10.40	0.177	2.48	5.3	54
R615033		111.5	<0.002	0.91	3.68	9.5	1	3.8	308	0.69	0.25	10.70	0.255	1.89	3.6	68
R615034		109.5	<0.002	0.57	3.97	10.0	1	3.5	212	0.66	0.11	12.95	0.250	2.05	4.1	66
R615035		90.3	<0.002	1.62	6.63	9.3	1	4.6	151.0	0.66	0.41	11.00	0.227	2.01	5.2	66
R615036		120.5	<0.002	1.80	6.84	10.5	1	4.9	157.0	0.69	0.49	13.45	0.235	2.08	5.9	67
R615037		123.0	<0.002	0.97	6.78	6.7	1	2.1	211	0.47	0.10	9.78	0.152	2.66	5.4	44
R615038		148.5	<0.002	3.54	8.97	9.2	2	6.0	83.1	0.56	1.61	11.85	0.212	2.26	5.4	60
R615039		0.9	<0.002	<0.01	0.18	0.1	1	<0.2	45.7	<0.05	<0.05	0.07	<0.005	<0.02	0.7	2
R615040		99.4	<0.002	0.45	4.06	9.5	1	2.7	346	0.61	0.14	12.40	0.246	1.37	3.7	65
R615041		153.5	<0.002	0.82	3.95	9.6	<1	3.5	230	0.60	0.39	13.85	0.245	2.32	3.4	66
R615042		103.0	<0.002	>10.0	11.25	4.5	2	6.6	56.2	0.24	5.38	5.84	0.094	1.57	2.5	31
R615043		123.5	<0.002	0.74	3.10	10.3	1	3.1	310	0.60	0.43	13.80	0.256	1.89	3.5	71
R615044		150.0	<0.002	1.29	5.02	10.9	1	2.7	302	0.66	0.29	14.45	0.259	1.98	3.3	70
R615045		86.4	<0.002	0.54	69.8	10.4	1	4.3	147.5	0.63	2.06	12.20	0.264	1.50	3.2	69
R615046		168.0	<0.002	1.36	26.2	10.7	1	7.2	148.0	0.58	1.48	13.25	0.252	2.22	4.4	72
R615047		115.0	<0.002	0.52	17.55	11.2	1	3.6	83.5	0.68	0.11	13.75	0.282	1.89	4.5	78
R615048		120.0	<0.002	0.63	15.15	10.9	1	4.3	78.4	0.66	0.37	13.40	0.256	1.78	4.0	73
R615049		168.0	<0.002	1.85	16.00	10.1	1	6.8	55.1	0.62	0.29	14.40	0.243	2.51	3.6	67
R615050		176.5	<0.002	2.77	10.55	10.0	1	9.4	47.6	0.59	0.29	13.55	0.239	3.02	3.4	67
R615051		103.5	<0.002	1.09	4.72	11.0	1	4.2	226	0.61	0.39	13.75	0.257	1.81	3.9	74
R615052		96.2	<0.002	3.73	8.91	10.4	3	4.3	119.5	0.57	19.30	11.15	0.235	1.53	4.8	77
R615053		138.0	<0.002	1.58	10.90	10.3	1	6.2	138.5	0.61	0.28	11.10	0.246	2.73	4.5	71
R615054		164.5	0.002	2.81	29.6	9.6	1	5.9	115.5	0.50	0.34	11.80	0.217	2.56	5.2	68
R615055		164.0	<0.002	5.90	41.8	7.7	1	7.7	59.4	0.45	0.75	9.66	0.173	2.30	2.4	48
R615056		212	<0.002	5.87	14.20	10.1	1	13.8	52.6	0.54	1.39	12.45	0.226	3.14	3.0	65
R615057		144.0	<0.002	0.96	25.5	9.6	1	4.3	93.9	0.61	0.13	12.25	0.235	2.72	4.5	65
R615058		148.5	<0.002	0.74	8.47	10.5	1	4.6	142.5	0.62	0.16	12.75	0.249	2.77	5.2	69
R615059		188.0	<0.002	3.16	253	9.6	1	6.9	67.7	0.55	0.39	12.45	0.235	3.07	6.6	63
R615060		179.5	<0.002	6.29	198.0	8.9	1	10.1	30.4	0.48	0.80	10.90	0.205	2.90	10.6	58
R615061		1.3	<0.002	0.01	0.73	0.2	1	<0.2	51.2	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2
R615062		142.0	<0.002	1.48	12.65	9.1	1	3.9	150.0	0.56	0.28	11.70	0.235	2.79	8.6	67
R615063		136.0	<0.002	0.89	13.05	10.3	1	4.7	139.5	0.63	0.14	13.05	0.250	2.24	4.5	71
R615064		198.0	<0.002	3.68	9.35	10.3	1	8.3	51.3	0.56	0.29	13.25	0.232	3.07	5.3	66

***** See Appendix Page for comments regarding this certificate *****

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129519

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
R615029		4.4	11.7	242	30.8	0.405
R615030		4.1	15.6	93	35.4	0.065
R615031		2.2	14.2	62	40.1	0.030
R615032		5.3	9.6	5310	27.4	2.21
R615033		2.5	13.1	83	45.0	0.018
R615034		3.2	14.8	108	40.6	0.031
R615035		6.8	15.2	226	38.2	0.045
R615036		7.4	17.4	205	40.0	0.040
R615037		4.6	18.8	457	25.9	0.277
R615038		5.6	16.5	196	35.4	0.180
R615039		0.1	0.7	18	<0.5	<0.005
R615040		2.2	14.8	51	34.1	0.009
R615041		3.3	14.6	92	30.8	0.015
R615042		3.9	7.4	1210	14.3	0.898
R615043		2.6	16.0	105	33.2	0.047
R615044		2.9	16.6	90	33.6	0.031
R615045		7.6	15.3	554	29.8	0.057
R615046		5.1	17.6	724	29.7	0.176
R615047		9.9	15.0	235	30.5	0.121
R615048		7.5	14.8	206	30.1	0.121
R615049		7.4	12.7	433	30.3	0.097
R615050		6.5	13.6	254	27.5	0.140
R615051		1.7	14.1	164	29.4	0.023
R615052		2.0	15.6	347	26.2	0.231
R615053		3.9	13.6	231	29.0	0.045
R615054		5.6	11.8	932	30.4	0.345
R615055		6.2	8.2	1180	21.2	1.440
R615056		8.3	8.5	872	25.6	0.413
R615057		3.7	12.1	389	26.4	0.041
R615058		3.1	15.2	189	26.1	0.037
R615059		4.9	12.4	561	23.1	0.573
R615060		6.0	10.2	1330	20.6	0.230
R615061		0.1	0.8	18	<0.5	<0.005
R615062		3.0	14.9	163	23.6	0.020
R615063		2.8	12.1	138	27.4	0.045
R615064		5.9	10.8	98	25.8	0.151

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129519

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21		

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129520

Project: Klaza

P.O. No.: Batch 104

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

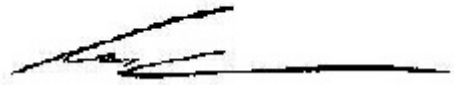
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129520

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R616048		1.14				2.26	7.73	103.5	1920	1.84	0.30	2.83	7.32	43.4	5.4	15
R616049		1.44				0.61	7.09	38.4	1900	1.60	0.60	2.62	0.61	44.5	7.7	12
R616050		4.56				1.99	7.14	158.0	1690	1.66	1.12	2.64	2.98	45.3	6.3	11
R616051		1.42				16.95	6.46	4550	730	1.83	10.95	2.44	92.1	38.9	5.0	12
R616052		6.14				0.04	0.05	5.5	20	0.10	0.06	20.2	0.18	1.05	0.6	<1
R616053		1.52				1.86	7.32	346	1320	1.64	0.57	2.43	5.44	46.1	8.4	11
R616054		1.58				0.22	7.30	10.3	2340	1.36	0.46	2.50	0.21	41.2	8.8	11
R616055		1.24				6.54	7.27	1995	1080	1.65	0.68	1.92	18.05	46.8	6.6	11
R616056		2.86				1.65	7.21	112.0	1010	1.51	0.85	2.23	2.96	47.5	6.8	12
R616057		1.46			1.230	9.17	6.54	288	310	1.56	1.65	0.73	116.5	38.4	6.9	10
R616058		0.32	120	0.990	1.570	>100	5.42	8170	1340	1.49	65.4	1.97	226	31.8	9.6	17
R616059		2.80				0.54	7.52	31.1	790	2.08	0.68	2.09	0.69	42.3	8.2	11
R616060		9.54				1.50	6.54	136.5	1520	1.61	0.62	2.74	2.64	43.9	6.7	9
R616061		2.46			1.835	53.5	6.15	1590	1110	1.52	5.40	0.77	170.0	36.5	7.5	8
R616062		5.72				4.98	7.47	137.5	1060	1.84	0.62	1.71	25.7	50.9	6.2	11
R616063		2.20				0.22	7.41	10.9	880	1.45	0.75	1.53	0.30	46.4	6.6	11
R616064		1.12				0.33	7.12	11.0	910	1.43	0.71	1.80	0.23	43.9	7.5	10
R616065		8.50				0.43	7.24	20.4	2120	1.64	0.66	2.91	1.37	41.9	7.9	12
R616066		2.36				0.31	7.70	57.3	2070	1.23	0.61	2.22	0.36	46.3	7.3	11
R616067		1.44			1.065	12.25	7.05	234	600	1.44	2.49	1.83	111.0	49.8	5.4	10
R616068		5.92				0.05	0.06	3.9	20	0.11	0.06	21.8	0.31	1.12	0.6	<1
R616069		4.00				0.21	7.72	18.7	2060	1.38	0.41	2.19	0.26	50.4	7.4	10
R616070		3.68				5.08	7.04	36.7	2190	1.31	0.49	2.81	22.2	43.5	6.0	12
R616071		3.32				10.95	7.29	217	710	1.21	3.52	1.29	24.7	45.1	8.1	11
R616072		7.46				0.81	7.00	24.2	1140	1.61	1.16	2.39	1.98	49.8	5.5	11
R616073		6.92				0.45	7.06	59.0	1190	1.64	0.73	2.29	1.04	46.9	6.8	10
R616074		2.58				0.16	6.87	19.5	2000	1.63	0.33	3.35	0.31	40.0	6.8	12
R616075		<0.02				0.17	6.61	18.6	1850	1.77	0.36	3.17	0.37	38.1	6.9	11
R616076		4.00				2.93	6.44	815	1110	1.64	1.24	2.32	16.35	46.3	5.6	10
R616077		5.68				1.49	7.88	119.0	1040	1.54	0.68	1.63	3.77	50.5	9.4	13
R616078		0.32				13.05	6.66	1520	1090	1.62	11.45	1.85	30.9	48.2	18.6	18
R616079		4.14				8.93	7.32	98.1	1040	1.57	6.31	1.52	6.76	49.9	10.2	9
R616080		3.06				7.78	5.97	235	1960	1.59	6.19	1.53	6.64	50.0	26.7	8
R616081		2.18				0.54	7.58	27.5	1600	2.07	0.95	1.87	3.22	47.5	7.3	10
R616082		4.74				0.10	7.09	13.4	1890	1.77	4.07	2.43	0.18	37.6	6.1	11
R616083		2.02				0.39	7.84	105.5	1080	1.85	1.04	1.42	0.27	52.3	9.6	10

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129520

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R616048		12.30	18.4	3.17	17.00	0.07	1.1	0.109	3.21	19.9	21.9	0.74	1120	1.25	1.42	7.9
R616049		11.70	45.0	3.04	16.65	0.10	1.3	0.115	3.22	21.0	31.2	0.64	849	1.21	1.02	7.8
R616050		13.05	225	3.54	17.35	0.07	1.2	0.227	2.90	21.3	45.0	0.68	1020	2.49	1.12	7.9
R616051		17.85	284	3.78	15.30	0.07	1.1	3.69	2.78	18.2	72.7	0.61	1570	2.83	0.03	6.7
R616052		0.11	2.0	0.43	0.13	<0.05	<0.1	0.012	0.02	0.5	1.2	12.45	183	0.12	<0.01	0.1
R616053		13.95	29.3	3.48	16.05	0.06	1.1	0.190	3.16	22.6	38.6	0.77	1580	2.36	0.69	7.0
R616054		11.15	18.4	3.20	16.95	0.08	1.1	0.055	2.89	19.0	14.3	0.89	607	1.38	2.26	7.9
R616055		19.25	150.0	3.66	16.45	0.09	1.1	0.177	3.42	23.6	39.2	0.55	1440	3.41	0.23	7.4
R616056		15.65	13.3	3.45	16.75	0.08	1.5	0.091	3.19	22.8	20.2	0.77	1940	2.05	0.04	7.9
R616057		9.14	107.0	5.40	15.35	0.08	1.2	2.16	3.11	18.1	8.7	0.37	933	1.20	0.03	6.3
R616058		10.95	1250	8.11	13.55	0.07	1.1	4.77	2.32	15.2	31.6	0.64	3050	16.00	0.09	5.6
R616059		14.55	11.1	2.96	18.75	0.07	1.6	0.085	1.72	19.3	173.5	0.63	756	1.05	0.03	9.1
R616060		15.15	13.6	3.25	15.45	0.07	1.2	0.090	2.46	21.1	51.6	0.77	1420	3.50	0.03	7.1
R616061		17.15	298	5.38	13.70	0.07	1.0	3.84	2.66	17.5	14.8	0.37	904	2.38	0.02	5.9
R616062		20.6	32.8	3.02	16.60	0.06	1.2	0.241	2.56	25.4	57.3	0.67	1200	1.78	0.03	7.5
R616063		9.94	3.7	2.59	15.80	0.06	1.3	0.121	1.71	22.4	57.7	0.60	832	0.44	0.04	7.2
R616064		8.62	5.7	2.77	16.15	0.05	1.3	0.113	1.77	21.0	48.6	0.66	911	0.40	0.04	7.1
R616065		9.81	6.6	3.12	16.95	0.08	1.3	0.096	2.92	19.3	25.7	0.72	776	0.95	0.99	7.9
R616066		14.85	16.8	3.29	16.30	0.08	1.4	0.087	3.18	21.9	48.6	0.67	753	1.17	0.58	7.9
R616067		12.50	82.7	4.48	15.45	0.06	1.3	1.925	3.12	25.6	12.8	0.62	1670	0.97	0.05	6.8
R616068		0.14	2.3	0.48	0.17	<0.05	<0.1	0.012	0.02	0.5	1.2	13.45	205	0.07	<0.01	0.2
R616069		14.90	5.1	3.17	16.55	0.07	1.4	0.089	3.17	24.4	48.0	0.64	797	1.33	0.51	8.2
R616070		9.80	46.1	2.77	15.60	0.07	1.2	0.495	2.98	21.1	10.9	0.69	1180	0.83	0.56	6.8
R616071		7.88	290	5.10	16.15	0.08	1.2	0.419	3.45	23.5	7.0	0.60	1580	1.19	0.03	5.7
R616072		15.20	7.9	3.16	14.90	0.08	1.5	0.088	3.01	26.1	24.5	0.83	963	1.24	0.04	6.2
R616073		18.15	7.5	3.11	17.20	0.10	1.4	0.079	2.86	22.4	62.6	0.67	1080	1.29	0.15	7.6
R616074		19.70	5.1	2.87	16.75	0.09	1.6	0.050	2.94	18.1	49.9	0.56	999	2.55	0.23	8.2
R616075		18.80	5.1	2.80	16.20	0.06	1.4	0.044	2.88	17.0	48.4	0.55	953	2.56	0.21	7.8
R616076		14.85	45.1	3.54	15.05	0.07	1.4	0.522	2.66	22.8	22.7	0.75	2540	1.11	0.03	6.3
R616077		17.15	14.6	3.44	15.95	0.14	1.2	0.152	3.52	27.2	17.6	0.69	1390	1.10	0.03	6.0
R616078		14.20	290	6.58	14.65	0.13	1.0	0.789	2.91	26.3	20.9	0.75	1780	8.42	0.13	6.3
R616079		18.05	43.8	4.16	15.15	0.13	1.1	0.381	2.98	27.5	32.2	0.58	849	2.33	0.04	4.7
R616080		23.9	29.4	8.70	13.85	0.14	1.2	0.236	2.40	24.2	22.5	0.60	804	5.27	0.03	3.7
R616081		23.2	15.7	3.05	15.75	0.14	1.2	0.198	2.14	25.8	293	0.64	889	0.58	0.05	7.7
R616082		14.60	4.3	2.67	15.50	0.12	1.2	0.063	2.76	18.7	160.0	0.64	734	0.85	0.14	8.1
R616083		12.70	13.9	4.02	16.00	0.14	1.2	0.070	2.80	27.8	225	0.61	645	0.70	0.06	6.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129520

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
R616048		3.2	650	576	133.5	0.003	0.54	4.34	10.7	1	2.1	273	0.57	<0.05	10.95	0.276
R616049		2.5	610	71.3	143.5	0.002	0.59	5.68	10.6	1	2.4	227	0.65	0.22	11.95	0.251
R616050		2.6	560	197.5	139.5	0.002	0.92	12.45	10.5	1	2.6	230	0.62	<0.05	11.90	0.238
R616051		2.4	500	2680	146.5	0.002	2.26	54.0	9.0	1	3.4	76.0	0.55	<0.05	10.60	0.211
R616052		1.2	170	6.5	1.0	<0.002	0.01	0.19	0.1	1	<0.2	47.4	<0.05	<0.05	0.07	<0.005
R616053		2.5	560	320	171.5	<0.002	1.08	13.75	9.1	<1	2.6	159.5	0.55	0.05	11.70	0.232
R616054		2.5	580	26.4	108.0	<0.002	0.36	1.54	9.5	<1	1.8	376	0.63	0.06	11.35	0.250
R616055		2.6	560	598	198.0	<0.002	2.16	39.7	9.7	<1	3.5	89.2	0.59	<0.05	12.55	0.237
R616056		2.3	560	218	158.5	<0.002	1.85	8.00	10.0	<1	2.7	112.5	0.63	0.27	13.65	0.238
R616057		2.6	470	1710	189.0	<0.002	5.83	17.35	8.4	<1	3.8	20.1	0.55	0.77	11.30	0.194
R616058		14.0	450	10000	136.5	0.004	7.09	216	7.2	1	8.9	124.0	0.42	0.49	8.02	0.183
R616059		2.6	670	46.5	66.8	0.003	1.39	18.05	11.3	1	1.9	222	0.72	1.02	12.70	0.280
R616060		2.4	540	269	112.0	0.002	1.61	17.25	9.2	1	2.2	139.5	0.55	0.29	11.00	0.225
R616061		2.5	430	5090	170.0	0.007	6.12	80.7	7.6	1	4.2	29.6	0.48	0.11	9.88	0.193
R616062		2.5	570	1600	132.5	0.003	1.43	18.80	10.1	1	2.5	130.5	0.59	0.12	12.80	0.256
R616063		2.4	600	16.4	86.3	<0.002	0.87	17.50	9.8	1	2.2	92.1	0.57	0.20	12.05	0.234
R616064		2.3	580	14.5	76.2	0.003	1.00	16.10	9.2	<1	2.6	92.2	0.60	0.22	10.85	0.227
R616065		2.5	600	117.5	108.0	0.002	1.01	5.00	10.2	<1	1.9	205	0.67	0.25	12.05	0.257
R616066		2.5	590	24.3	126.0	0.007	0.50	6.76	9.6	1	2.7	160.0	0.69	0.08	12.70	0.257
R616067		2.2	510	5500	158.5	<0.002	4.34	18.70	9.0	<1	5.3	55.3	0.57	0.26	12.30	0.220
R616068		1.4	180	13.6	1.2	<0.002	0.04	0.20	0.2	1	<0.2	51.5	<0.05	<0.05	0.08	<0.005
R616069		2.3	600	34.8	132.5	0.006	0.74	5.59	9.3	1	2.1	137.5	0.64	0.12	13.85	0.262
R616070		2.2	570	2630	142.5	<0.002	1.09	9.03	8.8	1	3.1	192.5	0.54	0.12	12.15	0.229
R616071		2.1	540	1570	210	0.005	4.85	32.5	9.2	1	5.0	30.0	0.47	0.52	12.65	0.200
R616072		2.0	540	50.9	164.0	0.004	2.27	7.83	8.8	1	2.4	90.1	0.50	0.22	13.25	0.200
R616073		2.2	550	42.9	141.5	0.005	1.56	13.40	10.0	1	2.0	118.0	0.63	0.26	12.65	0.237
R616074		2.3	610	24.4	111.0	0.004	0.85	7.83	9.8	1	1.8	171.5	0.65	0.05	11.55	0.257
R616075		2.4	580	24.4	105.5	<0.002	0.89	7.67	9.4	1	1.7	160.0	0.64	0.11	11.00	0.248
R616076		2.6	530	378	180.5	<0.002	2.73	19.45	8.6	<1	2.8	140.0	0.48	0.11	10.35	0.202
R616077		3.0	580	125.5	217	<0.002	2.82	10.25	9.7	1	2.0	56.4	0.52	0.30	14.80	0.217
R616078		12.1	540	1300	165.5	<0.002	4.68	64.0	9.1	2	7.3	98.6	0.52	1.74	12.30	0.208
R616079		2.8	530	669	178.5	<0.002	3.74	16.55	9.4	1	1.7	88.6	0.43	1.21	13.40	0.169
R616080		5.3	430	345	149.5	<0.002	9.01	20.6	10.3	2	1.2	133.5	0.40	2.87	10.15	0.169
R616081		2.7	580	64.5	95.3	<0.002	0.74	18.25	9.6	1	2.0	176.5	0.66	0.26	14.75	0.244
R616082		2.2	640	16.1	75.6	<0.002	0.47	10.30	9.1	1	2.2	233	0.68	2.50	11.25	0.260
R616083		3.0	670	15.8	150.5	<0.002	2.55	20.5	11.0	1	4.2	156.0	0.56	0.35	13.35	0.233

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129520

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R616048		1.92	2.8	74	1.4	14.7	858	30.1	0.012
R616049		2.22	3.1	70	1.7	14.2	137	32.4	<0.005
R616050		2.01	3.8	64	1.9	15.7	328	32.0	0.037
R616051		2.84	4.5	58	3.1	11.3	5950	27.2	0.731
R616052		0.02	0.4	1	0.1	0.7	22	<0.5	<0.005
R616053		2.43	3.8	65	2.7	14.2	578	29.4	0.056
R616054		1.36	3.8	67	1.2	16.2	58	30.2	<0.005
R616055		2.94	5.2	67	3.5	13.3	1360	26.8	0.392
R616056		2.90	4.4	65	3.0	13.5	337	40.1	0.040
R616057		2.97	2.6	57	3.0	9.3	>10000	32.7	0.256
R616058		2.35	5.3	52	4.6	9.0	>10000	30.8	4.27
R616059		1.73	3.9	74	2.1	13.8	73	42.4	0.014
R616060		2.33	4.9	62	3.3	13.0	242	30.9	0.039
R616061		2.79	2.9	52	5.7	8.9	>10000	28.2	0.571
R616062		2.39	5.2	68	2.7	12.4	2740	30.8	0.304
R616063		1.47	4.3	64	2.3	13.2	75	31.4	0.007
R616064		1.53	3.5	65	2.1	12.4	73	31.8	0.006
R616065		1.77	3.9	67	1.7	14.4	247	33.1	0.011
R616066		1.72	3.6	66	2.6	14.7	122	35.3	0.022
R616067		2.57	4.5	59	2.6	10.4	>10000	33.6	0.452
R616068		<0.02	0.6	1	0.1	0.8	31	<0.5	<0.005
R616069		1.90	4.4	68	2.4	14.6	95	34.8	0.007
R616070		2.57	4.5	65	1.6	11.7	2210	29.1	0.086
R616071		3.25	3.5	62	3.9	8.8	2130	31.0	0.391
R616072		2.56	3.8	57	2.2	12.1	202	33.6	0.019
R616073		2.50	3.9	64	2.4	12.9	117	36.1	0.031
R616074		1.99	4.7	68	1.4	14.0	60	40.3	0.006
R616075		1.99	4.8	66	1.3	13.3	60	38.4	0.007
R616076		2.83	4.0	55	3.7	10.7	1420	42.0	0.338
R616077		3.13	2.6	65	3.0	11.5	351	37.1	0.066
R616078		2.46	5.2	62	5.5	11.6	2390	29.5	0.889
R616079		2.62	4.0	63	2.6	11.9	760	34.3	0.126
R616080		2.66	21.4	82	2.7	9.1	676	41.8	0.197
R616081		1.76	4.5	64	5.1	14.9	392	36.2	0.010
R616082		1.69	3.2	67	2.6	13.1	54	35.5	<0.005
R616083		1.91	4.2	75	2.5	14.6	59	35.9	0.026

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129520

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129521

Project: Klaza

P.O. No.: Batch 105

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

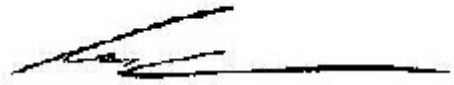
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129521

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R616084		7.72			0.71	7.85	31.5	1800	2.07	0.57	1.74	2.04	54.3	8.7	20	17.25
R616085		2.38		1.575	42.8	5.64	878	2210	1.18	11.55	1.19	186.5	36.2	6.0	24	9.27
R616086		1.36			3.95	7.97	243	1870	1.45	7.28	1.23	3.70	55.6	6.3	19	12.70
R616087		1.12			0.72	7.57	139.5	1140	1.52	0.18	1.87	1.61	49.6	6.8	16	20.5
R616088		2.12	1.260		44.6	7.04	1350	1570	1.72	0.29	2.00	50.6	50.8	4.8	21	19.75
R616089		5.80			0.65	7.42	90.8	1460	1.63	0.34	2.13	1.07	42.6	8.3	16	18.65
R616090		0.32			4.68	7.01	763	430	1.54	3.55	2.10	10.70	50.3	12.3	27	13.50
R616091		1.70			11.65	7.27	3630	680	1.51	1.71	1.38	78.4	52.6	6.6	26	15.30
R616092		8.58			1.23	7.91	1245	1710	1.62	0.18	1.98	6.80	57.3	7.7	12	22.5
R616093		5.56			14.50	6.21	5830	360	1.39	7.84	3.14	73.7	43.1	5.7	10	19.15
R616094		5.98			0.02	0.12	6.8	30	0.27	0.09	20.6	0.13	1.15	0.7	1	0.44
R616095		6.44			2.87	6.87	203	490	1.28	1.18	2.09	30.0	54.4	8.2	19	8.96
R616096		2.88			18.80	5.25	1805	150	1.17	15.75	0.87	79.8	24.2	25.8	14	6.10
R616097		7.28			2.64	6.64	135.0	890	1.41	1.20	2.44	21.5	51.1	7.7	12	9.81
R616098		12.00			0.42	7.25	59.2	1920	1.61	0.37	2.83	3.70	48.1	4.8	12	14.15
R616099		4.92			11.35	6.66	1755	590	1.48	1.92	2.71	48.2	48.1	4.8	10	17.35
R616100		<0.02			10.90	6.59	1655	430	1.66	1.78	2.70	46.1	47.9	5.0	11	16.65
R616101		10.72			0.99	7.73	85.4	1890	1.54	0.63	2.03	5.62	53.0	6.7	11	17.60
R616102		6.06			0.73	7.58	52.3	1240	1.56	0.36	2.50	2.52	55.8	3.4	13	21.8
R616103		2.20	1.495		53.4	6.89	3720	1600	1.49	3.61	1.93	42.8	49.0	6.5	14	22.5
R616104		5.88			0.04	0.06	2.7	30	0.07	0.02	20.7	0.10	1.11	0.6	1	0.15
R616105		7.76			0.67	7.33	35.8	1730	1.42	0.72	2.47	1.06	50.5	7.2	11	18.65
R616106		12.50			1.19	8.10	24.0	1640	1.45	1.40	2.71	0.34	60.9	17.6	11	13.25
R616107		9.70			0.22	7.41	13.6	2010	1.45	0.76	2.63	0.10	52.7	9.0	13	10.65
R616108		7.34			0.60	7.79	21.6	1340	1.52	0.69	2.59	0.84	48.6	8.6	12	21.6
R616109		5.42			0.14	7.81	9.3	2250	1.64	0.54	2.82	0.18	46.6	7.2	14	13.80
R616110		0.32			25.3	6.00	3510	410	1.27	19.45	2.23	76.3	39.2	10.7	19	14.40
R616111		11.38			0.72	7.83	89.8	1130	1.67	0.70	2.29	0.91	48.3	10.7	12	14.00
R616112		5.68			16.55	4.99	255	260	1.18	13.80	0.56	14.30	19.35	59.7	12	9.12
R616113		13.98			3.04	8.04	68.3	410	1.47	2.17	2.82	7.73	59.5	14.2	8	12.35
R615064		1.08			1.39	8.41	128.0	1420	1.66	3.61	1.14	1.80	59.3	5.6	18	16.30
R615065		2.12			0.44	8.43	34.6	2640	1.33	2.34	1.27	0.45	50.4	8.2	13	10.15
R615066		6.06			0.31	8.41	18.4	2330	1.51	1.73	1.36	0.66	49.5	9.7	12	13.45
R615067		2.10			0.29	8.73	19.6	2280	1.40	1.43	1.00	0.67	51.4	10.0	15	12.90
R615068		1.74			1.31	7.61	71.8	1690	1.74	2.98	3.06	37.2	49.2	12.3	14	16.50
R615069		3.52			0.17	7.86	15.9	2230	1.66	0.46	2.84	0.65	46.6	7.4	16	13.20

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129521

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R616084		18.7	3.13	16.85	0.12	1.3	0.070	2.35	28.0	305	0.61	977	1.11	0.06	8.6	2.6
R616085		340	5.12	11.80	0.10	0.9	2.73	2.60	18.5	35.8	0.53	1170	10.20	0.03	5.2	2.2
R616086		101.0	3.43	16.50	0.12	1.2	0.112	1.88	30.6	258	0.56	1240	1.92	0.02	8.1	2.2
R616087		25.8	2.99	15.70	0.09	1.1	0.059	2.31	25.7	171.5	0.65	1520	1.84	0.03	7.9	2.3
R616088		211	3.94	14.95	0.12	1.0	0.272	2.91	29.0	33.1	0.79	1760	1.83	0.29	6.8	2.4
R616089		10.0	2.91	16.10	0.12	1.4	0.059	3.05	20.6	64.3	0.58	1040	1.45	0.17	8.6	2.1
R616090		319	5.11	15.20	0.12	1.1	0.304	3.05	28.4	27.5	0.78	1940	14.25	0.16	6.3	14.0
R616091		104.0	3.48	15.05	0.12	1.1	1.175	3.15	28.6	11.5	0.61	1120	3.25	0.03	7.3	2.7
R616092		10.0	3.16	16.10	0.12	1.2	0.071	2.99	31.6	80.6	0.75	1220	3.50	0.03	8.1	2.2
R616093		149.5	3.45	13.00	0.12	0.8	1.210	2.34	23.7	39.5	1.11	2440	11.55	0.02	6.2	1.8
R616094		1.5	0.47	0.33	0.07	<0.1	0.005	0.03	0.5	1.6	12.75	202	0.13	0.02	0.4	0.7
R616095		28.8	3.59	15.25	0.11	0.9	0.415	3.20	29.6	7.5	0.80	1880	1.03	0.05	6.5	2.4
R616096		293	7.35	12.70	0.10	0.6	1.615	2.48	11.3	10.7	0.43	935	1.58	0.03	4.7	2.2
R616097		19.4	4.21	14.60	0.14	0.9	0.267	3.10	28.3	13.3	0.92	2580	0.94	0.04	6.2	2.3
R616098		5.1	3.42	15.85	0.11	1.1	0.091	2.67	25.5	66.4	0.96	1180	0.37	0.04	7.9	1.7
R616099		116.0	3.81	14.60	0.10	0.9	0.797	2.83	26.8	25.2	0.97	1500	16.45	0.03	6.7	2.0
R616100		113.5	3.75	14.35	0.12	0.8	0.771	2.78	26.7	25.3	0.96	1500	16.00	0.03	6.7	2.0
R616101		20.6	3.03	16.75	0.11	1.2	0.247	2.71	28.1	54.3	0.76	918	0.88	0.04	8.7	2.1
R616102		15.1	2.95	16.00	0.12	1.0	0.114	2.95	30.5	69.2	0.87	1030	0.51	0.05	8.0	1.7
R616103		77.0	3.34	15.25	0.08	1.1	0.224	2.88	28.1	25.2	0.77	1110	2.77	0.03	6.5	2.3
R616104		3.8	0.45	0.20	0.13	<0.1	<0.005	0.02	0.6	1.0	13.25	197	0.27	<0.01	0.1	1.7
R616105		9.1	3.22	15.25	0.11	1.1	0.082	2.60	28.5	47.2	0.85	1120	1.30	0.03	7.8	2.4
R616106		4.1	3.92	17.20	0.11	1.2	0.085	3.41	33.7	28.5	1.03	1320	0.53	0.05	7.7	3.2
R616107		3.2	2.79	16.95	0.13	1.0	0.091	3.20	28.2	60.1	0.91	886	0.48	0.06	7.8	2.3
R616108		5.7	2.75	17.50	0.11	1.2	0.067	2.77	26.4	68.1	0.75	1080	1.44	0.27	8.5	2.4
R616109		7.2	3.20	17.00	0.11	1.0	0.053	2.54	24.6	11.5	0.77	614	1.78	2.07	8.9	2.5
R616110		451	6.66	14.30	0.09	0.9	1.615	2.66	20.8	22.4	0.92	1920	13.20	0.04	6.1	14.8
R616111		5.2	3.02	19.20	0.12	1.0	0.090	2.64	23.6	51.9	0.71	1420	0.83	0.27	9.6	2.5
R616112		298	7.90	11.85	0.07	1.5	0.481	2.36	10.6	11.9	0.31	535	18.65	0.04	3.3	2.6
R616113		22.4	5.14	17.80	0.13	0.9	0.347	3.55	33.0	147.0	1.02	1920	2.70	0.05	6.4	2.9
R615064		44.4	3.95	22.2	0.11	1.2	0.269	4.14	34.7	15.7	0.56	808	1.65	0.09	8.8	2.3
R615065		35.7	3.36	19.10	0.10	1.1	0.402	3.48	28.0	28.6	0.41	515	1.09	0.11	8.9	2.2
R615066		21.8	3.46	18.30	0.11	1.1	0.231	3.04	26.8	28.4	0.57	622	2.62	0.42	9.0	2.7
R615067		32.4	3.32	18.45	0.11	1.1	0.206	2.94	28.8	31.2	0.50	663	2.42	0.25	9.1	2.8
R615068		48.9	3.74	16.85	0.11	1.1	0.841	3.02	27.7	17.1	0.75	789	2.19	0.70	8.2	2.8
R615069		18.7	3.17	16.90	0.11	1.1	0.073	2.79	25.0	14.7	0.82	651	2.05	1.99	8.5	2.5

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Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129521

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R616084		630	127.0	101.0	<0.002	0.81	23.6	11.0	1	3.0	206	0.66	0.10	13.85	0.253	1.82
R616085		390	9570	159.0	<0.002	5.19	125.5	7.3	1	7.0	50.8	0.40	0.21	9.40	0.164	2.26
R616086		640	117.0	107.5	0.003	0.75	52.9	10.7	1	4.0	193.0	0.63	0.07	14.60	0.250	1.63
R616087		590	107.5	113.5	<0.002	0.68	26.1	9.8	1	2.6	140.5	0.61	<0.05	13.45	0.240	2.21
R616088		540	>10000	138.0	0.002	0.94	92.4	9.0	1	2.6	94.6	0.54	<0.05	12.55	0.215	2.23
R616089		640	81.3	121.5	<0.002	0.66	17.85	10.1	1	1.9	122.5	0.68	<0.05	11.60	0.249	2.14
R616090		550	500	163.5	0.004	2.75	28.3	8.9	1	5.8	108.0	0.47	0.27	11.60	0.202	2.67
R616091		530	2630	175.5	<0.002	1.97	40.9	9.3	<1	4.4	37.8	0.60	<0.05	13.00	0.219	2.94
R616092		610	356	155.5	<0.002	1.03	19.80	10.4	1	2.7	161.0	0.62	<0.05	14.05	0.245	3.36
R616093		460	2160	126.5	<0.002	1.93	62.7	8.3	1	6.9	229	0.47	0.07	10.65	0.190	2.55
R616094		170	3.5	2.4	<0.002	<0.01	0.13	0.2	<1	0.3	50.4	0.05	<0.05	0.29	<0.005	0.02
R616095		540	1015	207	<0.002	2.25	7.33	9.3	1	5.9	50.7	0.51	0.23	12.50	0.200	3.38
R616096		370	2330	157.5	<0.002	7.32	64.6	6.8	1	6.5	18.1	0.35	0.42	8.35	0.147	2.06
R616097		510	809	192.5	<0.002	2.30	10.45	8.8	1	3.1	49.9	0.46	0.18	11.35	0.183	3.07
R616098		590	109.0	129.0	<0.002	0.62	7.74	10.0	1	2.2	146.5	0.61	0.08	12.10	0.236	2.52
R616099		510	2070	181.5	<0.002	2.18	52.5	9.1	1	3.5	85.6	0.53	0.06	11.05	0.203	2.98
R616100		510	1970	180.5	0.002	2.16	50.3	9.0	1	3.4	84.6	0.49	0.05	10.85	0.201	2.94
R616101		640	146.0	140.5	0.002	0.75	15.20	10.5	1	2.6	140.5	0.72	0.11	14.65	0.250	2.42
R616102		600	179.0	150.0	0.002	0.54	9.48	10.1	1	3.3	93.6	0.61	<0.05	13.55	0.238	2.64
R616103		500	>10000	155.0	<0.002	2.10	77.7	9.4	<1	3.2	90.1	0.60	0.48	12.05	0.194	2.25
R616104		200	11.4	1.0	<0.002	0.01	0.09	0.2	<1	<0.2	45.3	<0.05	<0.05	0.08	<0.005	<0.02
R616105		580	68.9	133.5	<0.002	1.18	10.10	9.9	1	2.1	103.0	0.64	0.26	13.50	0.230	2.06
R616106		660	25.3	195.5	<0.002	2.90	4.74	11.7	1	2.7	117.0	0.64	0.59	12.35	0.246	3.13
R616107		630	7.3	138.5	<0.002	1.42	3.78	10.6	1	2.6	116.5	0.63	0.29	11.75	0.235	2.86
R616108		620	33.8	137.0	<0.002	1.06	7.46	10.9	1	2.1	138.5	0.68	0.21	12.70	0.261	2.64
R616109		660	20.5	96.2	<0.002	0.42	4.14	11.5	1	1.8	380	0.70	0.12	12.55	0.276	1.46
R616110		450	2890	154.5	<0.002	4.91	89.5	7.9	1	7.5	88.6	0.46	0.38	9.50	0.181	2.28
R616111		720	47.6	139.0	<0.002	1.43	12.15	12.1	1	3.0	105.5	0.76	0.17	12.25	0.285	2.68
R616112		180	647	150.5	<0.002	8.30	93.2	2.7	1	2.9	19.4	0.60	0.92	18.00	0.058	1.91
R616113		580	356	198.0	<0.002	4.18	10.00	10.3	1	3.9	67.5	0.54	0.68	12.65	0.185	3.23
R615064		640	89.9	211	<0.002	2.42	10.75	11.9	1	7.2	79.3	0.71	0.19	15.40	0.269	3.35
R615065		650	22.6	135.5	<0.002	1.32	15.85	11.4	1	5.9	92.7	0.73	0.34	13.10	0.275	2.21
R615066		670	38.1	130.0	<0.002	0.54	15.80	12.2	1	4.8	124.0	0.71	0.19	14.70	0.273	1.90
R615067		700	62.6	126.5	<0.002	0.56	20.5	12.3	1	5.2	90.8	0.73	0.14	14.55	0.291	1.68
R615068		610	224	122.0	<0.002	1.33	4.85	10.6	1	4.1	191.0	0.64	0.15	12.50	0.257	2.01
R615069		620	32.5	106.0	<0.002	0.21	2.66	10.8	1	3.2	388	0.68	<0.05	13.00	0.267	1.50

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CERTIFICATE OF ANALYSIS VA16129521

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R616084		5.4	72	4.2	15.1	240	38.9	0.019
R616085		6.6	52	2.9	9.1	>10000	25.3	0.806
R616086		6.7	69	4.3	14.7	307	35.9	0.344
R616087		5.1	68	2.6	13.3	207	35.7	0.025
R616088		5.9	61	2.5	13.0	3300	25.8	0.403
R616089		5.0	71	2.3	13.4	116	37.9	0.029
R616090		5.3	68	5.8	11.4	936	31.5	0.370
R616091		8.9	61	6.2	11.3	5250	30.9	4.04
R616092		8.0	68	4.6	14.0	549	34.4	0.671
R616093		6.7	54	4.7	10.5	4870	22.0	5.37
R616094		0.8	3	0.1	0.8	24	1.2	<0.005
R616095		3.3	62	2.9	10.8	2080	22.9	0.081
R616096		2.1	54	4.4	5.6	5440	17.2	1.325
R616097		3.1	54	2.5	9.8	1610	23.4	0.102
R616098		4.7	65	2.3	12.6	308	29.7	0.028
R616099		9.5	63	2.9	11.3	3460	26.2	0.560
R616100		9.5	63	2.8	11.6	3360	24.4	0.557
R616101		5.3	69	2.2	13.3	560	32.2	0.024
R616102		4.4	65	2.1	14.4	340	28.3	0.016
R616103		3.5	59	1.9	11.1	2930	29.0	0.759
R616104		0.4	2	0.1	0.7	20	<0.5	<0.005
R616105		4.7	64	2.2	13.0	142	30.6	0.020
R616106		3.5	74	2.4	12.7	64	31.6	0.017
R616107		3.8	69	1.7	10.8	46	27.0	0.005
R616108		4.7	73	2.0	13.6	102	34.0	0.015
R616109		4.4	75	1.5	16.6	57	28.1	<0.005
R616110		5.1	58	5.1	9.5	5480	25.7	2.40
R616111		4.7	87	2.7	18.2	111	28.0	0.050
R616112		3.5	34	1.6	5.9	1230	40.7	2.61
R616113		3.1	52	2.2	11.0	722	24.4	0.065
R615064		7.6	77	6.2	13.5	218	31.4	0.158
R615065		3.2	74	3.2	14.0	78	29.8	0.063
R615066		5.2	75	4.5	16.1	104	31.4	0.026
R615067		4.6	80	5.3	15.8	103	30.6	0.039
R615068		6.9	69	2.9	17.0	2580	30.2	0.019
R615069		4.9	71	3.5	17.1	85	33.7	0.013

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 8-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129521

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-01	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-35a	PUL-35ad
SPL-21	SPL-21d	WEI-21	Zn-OG62

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VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129523

Project: Klaza

P.O. No.: Batch 106

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

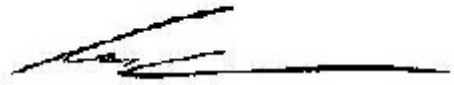
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129523

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	kg	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
R616114		7.08					0.70	7.30	41.4	1520	1.31	0.75	2.63	1.28	47.4	6.4
R616115		1.38					2.91	6.63	124.5	800	1.52	1.33	1.54	11.20	48.8	8.8
R616116		6.18					1.62	7.39	34.1	1600	1.42	0.82	2.50	4.93	49.3	7.6
R616117		0.32	121	0.981	1.645		>100	5.73	8530	1440	1.21	65.0	2.03	238	34.6	9.8
R616118		2.08		2.29			83.9	6.57	237	580	1.24	18.60	0.61	125.0	46.7	5.4
R616119		8.20					1.09	7.86	68.1	940	1.64	0.96	1.64	3.51	46.7	7.3
R616120		8.06					1.58	6.90	14.6	390	1.33	1.95	3.26	0.70	36.0	10.3
R616121		1.94			3.77		35.8	5.89	808	220	1.12	8.09	0.74	388	29.2	5.8
R616122		6.30					0.06	0.08	0.5	40	0.05	0.06	21.3	0.41	1.31	0.6
R616123		5.22					1.09	7.86	101.5	1340	1.34	0.97	2.04	3.00	52.4	5.8
R616124		2.82					16.15	6.81	303	580	1.21	19.15	1.24	30.8	40.2	11.0
R616125		12.48					4.92	7.51	41.3	680	1.56	8.41	2.81	3.71	46.8	8.1
R616126		6.34					2.41	7.50	126.5	690	1.60	2.31	2.16	6.66	50.2	8.1
R616127		<0.02					2.22	7.80	124.5	590	1.53	2.01	2.27	6.84	46.1	7.6
R616128		2.50					17.15	6.95	6070	340	1.37	3.34	0.60	78.3	44.9	6.7
R616129		9.48					0.88	8.13	76.8	1520	1.66	0.66	2.20	3.49	57.2	6.8
R616130		11.84					0.57	7.58	166.0	2130	1.32	1.20	2.10	0.67	48.1	8.7
R616131		12.68					3.08	7.47	173.0	810	1.21	6.61	2.93	0.61	41.5	9.1
R616132		6.58					0.53	7.35	22.6	2000	1.12	0.72	3.49	1.59	41.9	7.3
R616133		4.68					0.27	7.20	21.5	1510	1.58	0.57	2.58	0.22	40.2	7.0
R616134		2.50					2.32	7.64	90.2	1970	1.43	0.99	2.97	18.25	54.4	6.8
R616135		0.30					4.95	6.72	747	490	1.45	3.35	2.15	10.90	42.8	12.8
R616136		3.70					10.95	8.77	596	290	1.85	17.00	2.07	9.77	51.0	15.7
R616137		1.98					4.55	8.01	1175	180	1.73	3.64	1.13	14.15	46.2	13.6
R616138		3.48					4.03	6.72	197.5	190	1.86	2.39	3.51	17.70	38.5	14.9
R616139		2.56					0.77	6.81	48.6	690	1.79	1.14	3.08	1.12	33.7	10.4
R616140		6.48					0.01	0.06	<0.2	20	0.05	0.03	21.8	0.06	1.19	0.7
R616141		4.74					1.83	7.03	113.5	350	2.11	1.48	3.16	5.49	36.4	11.9
R616142		2.68					4.06	7.35	57.1	100	1.99	6.24	2.67	2.57	25.8	23.6
R616143		<0.02					2.81	7.74	48.8	190	1.98	8.16	2.70	1.87	33.3	20.9
R616144		6.38					0.19	7.72	22.2	2820	1.50	0.46	3.21	0.23	36.3	7.2
R616145		4.40					0.16	7.75	63.8	1980	1.78	0.64	3.19	0.19	42.2	6.5
R616146		10.64					2.69	7.85	45.6	1010	1.48	1.63	2.80	8.92	52.2	8.6
R616147		7.76					0.15	7.77	21.4	1040	1.61	0.42	1.90	0.17	48.5	4.8
R616148		4.36		1.075	1.060	1.535	49.1	6.42	>10000	560	1.35	1.86	0.93	170.5	45.8	6.6
R616149		11.88					10.10	6.95	1965	970	1.56	0.93	1.92	33.7	42.0	9.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129523

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
R616114		19	17.10	10.3	2.92	15.70	0.10	1.1	0.055	3.01	26.7	52.5	0.96	921	11.65	0.04
R616115		11	18.00	24.2	3.38	15.10	0.10	1.9	0.220	2.57	27.5	72.0	0.62	1640	14.85	0.03
R616116		17	16.55	8.7	3.35	16.05	0.11	1.3	0.052	3.21	27.8	15.5	0.85	1900	9.11	0.02
R616117		19	12.05	1355	8.48	14.00	0.08	1.1	4.69	2.42	18.1	30.4	0.66	3200	16.40	0.08
R616118		13	11.90	256	5.46	15.50	0.10	1.4	1.360	3.03	26.5	12.5	0.54	1930	3.46	0.02
R616119		21	16.75	10.1	3.42	17.95	0.10	1.4	0.082	3.31	24.4	87.5	0.56	770	2.68	0.09
R616120		20	15.45	6.4	3.43	15.30	0.10	1.1	0.036	2.95	18.1	47.3	0.81	803	6.40	0.06
R616121		21	5.93	1540	6.95	14.10	0.09	0.8	29.2	3.03	14.2	4.9	0.41	1020	2.69	0.03
R616122		1	0.44	3.3	0.48	0.27	0.10	<0.1	0.025	0.04	0.6	1.3	13.45	215	0.13	<0.01
R616123		25	10.45	18.3	3.89	16.65	0.12	1.2	0.167	3.75	29.8	15.3	0.67	1240	1.62	0.05
R616124		16	6.23	655	8.05	15.05	0.11	0.9	2.10	3.28	21.5	3.5	0.64	1400	1.32	0.03
R616125		21	7.98	107.5	3.91	17.65	0.10	1.1	0.191	3.14	24.7	11.6	0.74	1130	11.95	1.28
R616126		20	12.95	112.5	4.03	17.15	0.13	1.1	0.219	3.06	26.7	11.4	0.65	943	3.21	1.11
R616127		20	12.90	103.0	4.16	16.90	0.09	1.3	0.200	3.20	23.8	12.0	0.69	1000	4.99	1.18
R616128		17	9.95	1290	6.42	16.75	0.10	1.2	1.025	3.27	24.6	5.9	0.38	1050	2.98	0.03
R616129		19	14.80	15.7	4.15	18.20	0.10	1.6	0.130	3.70	31.2	37.1	0.72	1530	1.92	0.16
R616130		19	10.05	15.9	3.20	16.90	0.11	1.6	0.062	2.99	25.4	35.7	0.67	670	5.34	0.31
R616131		17	9.10	47.4	3.36	17.80	0.10	1.3	0.075	2.70	21.1	33.5	0.58	624	1.25	0.20
R616132		16	10.80	12.9	3.33	16.95	0.12	1.2	0.089	2.77	21.3	33.7	0.64	959	1.92	0.11
R616133		12	18.30	23.8	2.72	17.30	0.12	1.2	0.064	1.72	20.0	99.8	0.62	839	3.09	0.05
R616134		14	13.50	36.2	3.27	17.35	0.14	1.0	0.341	2.92	29.7	30.2	1.00	1140	5.14	0.04
R616135		26	13.45	330	5.16	16.65	0.12	1.1	0.306	3.03	22.6	25.5	0.78	2010	14.35	0.15
R616136		11	21.1	228	6.16	24.2	0.14	1.2	0.408	3.82	26.6	39.1	0.85	1290	11.30	0.04
R616137		13	17.50	56.1	6.59	19.85	0.13	1.2	0.336	3.72	22.4	11.0	0.60	967	1.26	0.03
R616138		9	39.1	64.2	5.49	17.50	0.12	1.0	0.201	2.39	18.5	38.6	0.68	1290	7.98	0.03
R616139		9	32.6	11.1	3.62	17.40	0.12	1.1	0.087	2.16	15.9	54.5	0.56	989	0.97	0.03
R616140		1	0.20	1.8	0.49	0.21	0.09	<0.1	0.005	0.02	0.6	1.0	13.80	213	0.08	0.01
R616141		8	57.5	19.3	4.39	20.7	0.10	1.0	0.151	2.14	17.6	47.2	0.60	968	1.02	0.03
R616142		10	32.1	15.6	9.39	23.4	0.10	0.9	0.144	2.63	11.3	54.3	0.78	1280	1.84	0.14
R616143		11	33.0	16.1	8.85	23.0	0.11	0.9	0.126	2.65	15.3	54.5	0.82	1290	1.96	0.16
R616144		21	15.45	4.8	3.42	19.10	0.10	1.0	0.070	2.44	17.1	55.6	0.85	919	1.09	0.50
R616145		19	22.6	7.8	3.16	18.55	0.11	1.0	0.054	2.74	20.8	133.0	0.83	890	4.15	0.12
R616146		13	17.70	20.6	3.71	18.00	0.13	1.1	0.136	3.45	28.7	22.0	0.98	1440	11.75	0.04
R616147		16	19.65	4.0	2.64	17.40	0.12	1.3	0.045	2.29	25.9	309	0.68	728	5.40	0.03
R616148		19	16.00	259	5.23	15.30	0.11	1.5	0.883	2.81	24.9	25.0	0.48	1000	7.92	0.02
R616149		22	17.90	57.3	4.17	16.45	0.10	1.3	0.271	2.55	21.4	88.7	0.68	1220	3.00	0.03

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Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129523

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
R616114		7.4	2.3	590	58.9	167.5	<0.002	1.13	16.30	10.0	1	1.8	121.5	0.59	0.29	13.10
R616115		7.8	3.7	530	425	137.5	<0.002	2.19	36.8	8.2	1	2.1	314	0.60	0.38	10.85
R616116		7.4	2.6	530	294	205	<0.002	1.62	19.55	10.0	1	2.2	96.3	0.63	0.22	14.20
R616117		6.0	14.1	470	>10000	136.5	<0.002	7.55	231	7.7	1	8.9	128.0	0.47	0.45	8.90
R616118		6.5	2.2	460	>10000	194.0	<0.002	3.91	102.5	8.9	1	4.5	31.3	0.55	0.20	12.70
R616119		8.1	2.6	600	147.0	150.5	<0.002	2.19	13.20	10.7	1	2.6	128.5	0.72	0.35	14.00
R616120		6.2	2.5	550	74.8	125.0	<0.002	2.67	12.35	9.4	1	1.7	129.5	0.53	0.73	11.80
R616121		5.3	1.9	450	3940	163.0	<0.002	8.66	63.7	8.0	1	8.1	14.2	0.44	0.50	8.86
R616122		0.2	1.5	190	9.0	2.7	<0.002	0.01	0.16	0.2	1	<0.2	50.2	<0.05	<0.05	0.16
R616123		7.9	2.2	590	190.5	202	<0.002	2.46	4.53	10.1	1	4.1	73.5	0.62	0.16	14.25
R616124		5.4	2.5	520	461	199.0	<0.002	7.30	24.1	9.9	1	7.2	20.6	0.48	0.48	11.55
R616125		7.7	2.3	570	188.5	156.0	0.002	2.14	4.46	11.0	1	3.1	227	0.64	0.39	12.45
R616126		8.2	2.4	620	272	147.5	<0.002	2.49	8.21	11.1	1	3.1	223	0.65	0.20	12.80
R616127		8.5	2.4	650	279	144.5	<0.002	2.54	8.36	11.3	1	3.1	234	0.69	0.20	12.80
R616128		6.7	2.6	500	1400	193.0	<0.002	6.06	67.7	9.2	1	7.7	19.8	0.57	0.20	12.15
R616129		8.6	2.4	650	162.0	194.0	<0.002	1.56	6.95	11.3	1	4.2	124.0	0.73	0.17	16.10
R616130		8.1	2.3	580	61.7	130.5	<0.002	1.42	10.35	10.5	1	3.1	135.0	0.75	0.23	14.20
R616131		7.6	2.6	610	150.5	100.5	<0.002	2.24	19.80	10.6	1	3.1	112.0	0.64	1.47	11.40
R616132		8.7	2.2	630	74.8	94.0	<0.002	0.83	7.11	10.8	1	2.6	164.0	0.70	0.17	12.15
R616133		8.6	2.3	620	17.3	53.1	<0.002	0.85	14.00	10.4	1	3.8	210	0.63	0.16	11.10
R616134		7.0	2.0	600	635	146.5	<0.002	1.50	12.60	10.3	1	5.1	163.5	0.56	0.21	14.15
R616135		6.7	14.2	540	505	138.0	0.004	2.80	31.2	9.0	1	6.0	110.0	0.50	0.28	10.10
R616136		6.8	2.9	600	544	199.5	0.002	5.15	48.6	11.8	1	11.3	124.0	0.56	0.61	13.40
R616137		5.9	2.8	610	811	221	<0.002	6.25	16.25	11.1	1	12.7	55.4	0.46	0.27	13.10
R616138		6.7	2.8	610	604	99.4	<0.002	4.93	31.3	10.1	1	4.1	145.5	0.52	0.54	9.47
R616139		7.2	2.3	620	64.1	80.3	<0.002	2.79	14.85	9.6	1	3.0	156.5	0.58	0.32	9.83
R616140		0.2	1.4	190	3.0	1.1	<0.002	0.01	0.07	0.2	1	<0.2	50.8	<0.05	<0.05	0.10
R616141		7.0	2.8	530	326	84.2	<0.002	3.27	22.3	8.2	1	6.1	165.5	0.51	0.41	7.34
R616142		7.1	4.4	590	113.0	99.9	<0.002	6.52	15.60	11.0	2	10.9	153.5	0.48	2.92	6.72
R616143		7.1	4.1	590	111.5	118.0	0.003	5.89	15.55	11.5	1	10.5	159.0	0.48	3.92	8.00
R616144		9.0	2.4	710	19.2	68.6	0.002	0.87	8.61	11.2	1	3.0	219	0.61	0.12	8.20
R616145		8.9	2.2	690	15.5	96.7	<0.002	0.39	15.60	11.8	1	2.2	203	0.60	<0.05	9.30
R616146		7.1	2.5	610	342	198.0	0.003	2.45	10.45	10.6	1	2.3	106.0	0.55	0.65	13.95
R616147		8.5	2.0	640	11.6	110.5	0.003	0.53	19.45	10.4	1	1.9	210	0.67	0.17	13.60
R616148		7.1	2.7	490	>10000	179.0	0.002	4.25	149.5	8.2	1	6.2	187.0	0.54	0.15	10.95
R616149		7.9	2.4	540	1950	119.0	0.002	2.28	39.5	9.3	1	3.2	152.5	0.62	0.23	11.30

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129523

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
R616114		0.233	2.69	6.3	66	2.3	11.7	131	31.8	0.029
R616115		0.225	2.48	9.3	61	4.8	12.9	792	68.7	0.402
R616116		0.219	3.27	5.1	64	3.4	13.2	423	39.1	0.020
R616117		0.191	2.33	5.5	55	4.8	9.2	>10000	33.7	4.55
R616118		0.192	2.97	3.2	57	7.6	9.3	7840	38.0	0.420
R616119		0.237	2.45	5.5	69	3.2	13.1	336	41.4	0.058
R616120		0.198	2.27	6.4	63	5.0	11.7	107	33.7	0.012
R616121		0.163	2.65	2.5	53	3.4	8.0	>10000	24.2	0.706
R616122		<0.005	0.02	0.6	2	0.1	0.8	61	<0.5	<0.005
R616123		0.245	2.98	4.7	67	2.7	12.4	340	33.3	0.044
R616124		0.197	2.77	3.3	67	3.9	8.4	3260	24.2	2.73
R616125		0.237	2.22	4.7	68	2.1	14.7	420	32.2	0.482
R616126		0.257	2.19	4.7	75	4.5	14.5	577	33.3	0.090
R616127		0.273	2.36	4.8	78	4.6	14.3	623	36.6	0.075
R616128		0.204	3.03	3.2	59	8.1	10.2	5140	34.4	3.07
R616129		0.258	3.03	6.2	71	7.7	14.6	284	43.2	0.042
R616130		0.235	1.86	5.0	65	2.2	14.3	86	44.9	0.045
R616131		0.239	1.61	3.9	69	2.3	13.6	89	39.5	0.366
R616132		0.268	1.41	4.2	73	3.0	15.5	156	33.5	0.048
R616133		0.263	1.18	3.7	73	2.7	14.4	59	32.2	0.013
R616134		0.227	2.67	3.7	64	3.3	14.7	1280	28.8	0.092
R616135		0.209	2.67	5.2	68	5.9	11.4	916	30.9	0.360
R616136		0.227	3.35	3.8	98	5.4	13.1	772	33.1	3.68
R616137		0.200	3.29	4.6	68	6.2	12.5	953	33.6	0.386
R616138		0.217	2.52	7.3	68	3.8	13.1	1170	32.6	0.338
R616139		0.236	2.30	5.7	69	3.6	10.8	125	30.0	0.075
R616140		<0.005	<0.02	0.8	2	0.1	0.8	18	<0.5	<0.005
R616141		0.213	2.34	8.9	89	4.3	11.6	426	26.8	0.070
R616142		0.214	2.75	6.7	115	9.5	10.5	239	25.0	0.119
R616143		0.214	2.72	6.4	114	9.7	12.0	192	24.2	0.069
R616144		0.298	1.64	3.6	80	4.1	15.1	65	24.7	0.006
R616145		0.296	2.01	3.6	83	10.4	16.4	57	24.4	0.005
R616146		0.222	3.20	5.1	66	2.6	14.3	764	29.7	0.101
R616147		0.253	2.24	4.5	68	2.6	13.6	48	35.1	<0.005
R616148		0.208	2.82	4.8	56	4.7	10.4	>10000	47.2	6.76
R616149		0.226	2.44	4.0	61	4.1	13.1	2490	35.4	0.776

***** See Appendix Page for comments regarding this certificate *****

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 7-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129523

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	BAG-01
CRU-32	CRU-QC	LOG-21d	LOG-22
LOG-23	ME-MS61	ME-OG62	Pb-OG62
PUL-35a	PUL-35ad	PUL-QC	SPL-21
SPL-21d	WEI-21	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

CERTIFICATE VA16129526

Project: Klaza

P.O. No.: Batch 107

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP

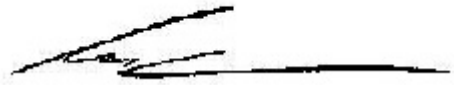
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129526

Sample Description	Method	WEI-21	Ag-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R616150		10.10			0.34	6.96	83.0	3700	1.56	0.58	2.55	0.29	46.7	11.1	11	24.3
R615070		2.54			2.83	7.37	142.5	1370	1.50	0.94	2.15	9.72	48.1	7.5	12	21.1
R615071		12.98			0.46	7.10	56.6	2230	1.74	0.10	2.64	0.32	50.4	5.9	11	21.2
R615072		12.08			0.46	6.82	76.3	1030	1.75	0.16	2.36	0.55	46.3	6.0	11	21.8
R615073		7.38			0.88	7.29	151.0	1560	1.70	0.15	2.32	1.79	49.5	7.0	11	22.4
R615074		0.32			13.30	6.42	1530	140	1.35	12.25	1.84	31.4	41.5	17.1	18	13.35
R615075		3.50			18.70	8.00	192.5	600	1.59	4.20	1.31	30.2	56.6	9.0	12	27.6
R615076		2.24			20.0	6.85	588	390	1.60	4.71	1.60	72.0	48.4	8.5	10	21.3
R615077		7.52			2.20	6.94	447	1960	1.79	0.51	2.26	6.05	39.8	6.0	11	24.1
R615078		5.96			0.01	0.05	<0.2	20	0.09	0.02	21.1	0.07	1.18	0.9	1	0.14
R615079		7.32			4.38	7.13	244	1870	1.35	0.55	2.20	13.50	53.7	10.6	14	18.95
R615080		7.68			0.28	7.20	24.3	2130	1.42	0.28	2.13	0.53	44.6	7.5	14	17.15
R615081		6.78			11.15	6.67	2110	2500	1.59	0.84	2.20	26.5	44.7	6.3	12	21.0
R615082		2.46			1.60	7.06	83.9	1230	1.43	0.45	2.86	1.91	49.1	7.0	12	22.4
R615083		5.16			4.50	7.13	1340	790	1.73	0.22	1.50	14.00	45.9	6.2	12	20.8
R615084		<0.02			4.37	7.07	1365	840	1.67	0.20	1.47	14.10	40.9	6.1	12	19.55
R615085		9.08			6.89	6.86	1420	1100	1.46	0.87	1.79	25.0	46.3	6.5	13	18.60
R615086		4.44			0.30	7.02	27.5	1680	1.25	0.43	1.55	0.26	36.4	7.5	17	12.85
R615087		5.24			1.60	6.89	114.5	1210	1.51	0.40	1.88	5.89	43.8	7.9	12	21.9
R615088		4.60			0.09	7.28	45.4	1350	1.81	0.13	1.75	0.23	69.0	5.7	18	22.8
R615089		6.12			7.37	6.80	2370	280	1.43	0.32	1.67	23.5	46.6	7.5	13	18.45
R615090		7.60			0.67	7.04	376	1400	1.56	0.25	1.92	1.03	42.2	7.7	16	22.7
R615091		<0.02			0.57	6.92	389	1380	1.58	0.25	1.88	0.97	41.0	7.4	14	21.9
R615092		2.70			24.4	6.12	6290	660	1.28	0.82	1.36	64.8	29.1	5.8	13	15.80
R615093		3.58			6.61	6.50	1305	480	1.48	0.62	1.46	27.9	50.2	7.8	15	23.8
R615094		6.40			0.02	0.07	1.8	30	0.08	0.03	21.3	0.09	1.27	0.8	1	0.22
R615095		8.74			0.19	6.79	52.1	770	1.96	0.18	1.54	0.55	55.9	4.9	16	28.8
R615096		10.14			0.17	6.75	27.1	1130	1.95	0.24	1.84	0.33	54.6	4.6	13	29.1
R615097		6.64			0.26	6.84	28.2	450	1.80	0.22	1.71	0.32	56.9	5.2	14	24.7
R615098		0.32	119	1.610	>100	5.16	7840	180	1.09	61.0	1.86	219	30.4	8.9	17	11.10
R615099		7.46			0.53	7.14	59.3	1650	1.61	0.19	2.24	1.13	47.9	8.1	14	22.4
R615100		12.26			0.86	6.98	278	2540	1.53	0.15	2.21	2.47	45.9	8.2	11	24.6
R615101		5.54			0.19	7.42	18.5	2170	1.97	0.15	2.52	0.23	53.4	7.9	14	19.35
R615102		1.38			19.60	6.24	2290	230	1.43	1.46	2.53	99.6	42.6	7.5	12	17.35
R615103		3.66			10.70	6.74	6110	480	1.43	4.23	2.13	27.8	45.4	6.2	14	14.85
R615104		1.68			0.24	7.45	275	1100	1.75	0.31	2.93	0.43	65.7	8.9	25	17.85

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129526

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R616150		13.6	3.06	15.90	0.17	1.1	0.084	2.49	24.3	59.1	0.86	1070	2.38	0.04	7.9	3.1
R615070		40.0	2.81	18.10	0.15	3.0	0.183	2.50	24.6	48.9	0.89	790	8.80	0.03	10.2	4.3
R615071		9.2	2.41	17.65	0.18	3.3	0.030	2.56	26.2	44.4	0.91	837	4.60	0.03	9.9	4.1
R615072		9.2	2.43	17.90	0.18	3.1	0.042	2.69	23.2	37.4	0.84	802	4.62	0.03	9.8	4.0
R615073		9.9	2.66	19.50	0.16	3.5	0.041	2.92	25.0	61.2	0.85	887	4.12	0.03	10.8	4.5
R615074		283	6.44	15.45	0.08	1.0	0.777	2.80	21.2	18.5	0.74	1780	9.04	0.12	6.6	12.3
R615075		116.5	3.93	18.90	0.12	1.8	0.447	3.26	30.6	25.7	0.63	1220	11.00	0.04	9.1	3.4
R615076		175.0	3.40	16.50	0.15	1.8	1.350	2.88	26.7	22.9	0.68	1190	10.55	0.03	8.1	3.9
R615077		24.3	3.04	17.55	0.15	1.3	0.129	2.92	19.0	67.2	0.73	1010	1.56	0.15	8.6	2.5
R615078		1.9	0.45	0.35	0.16	<0.1	<0.005	0.02	0.6	2.1	12.90	194	0.12	<0.01	0.1	1.3
R615079		14.1	3.66	16.45	0.17	1.1	0.105	2.90	29.6	39.1	0.80	1180	2.06	0.30	7.7	2.7
R615080		13.5	2.97	16.10	0.23	1.2	0.079	2.88	22.8	25.1	0.65	656	1.94	1.38	8.1	2.6
R615081		61.4	2.94	15.30	0.16	1.3	0.263	2.90	23.1	23.6	0.61	844	2.78	0.91	7.8	2.3
R615082		14.8	2.85	16.25	0.19	1.4	0.073	2.29	26.4	47.8	0.98	1040	10.75	0.03	8.0	3.1
R615083		26.4	3.60	16.50	0.14	1.2	0.096	3.06	24.6	22.8	0.60	1560	6.66	0.03	7.9	2.6
R615084		24.8	3.64	16.15	0.13	1.2	0.092	3.08	20.6	21.5	0.59	1560	6.08	0.03	7.6	2.7
R615085		43.8	3.34	15.60	0.16	1.3	0.301	2.67	24.5	74.2	0.67	1160	5.61	0.04	7.7	2.6
R615086		21.2	2.74	16.95	0.20	1.2	0.126	2.98	17.5	34.3	0.56	888	1.85	0.07	8.3	3.1
R615087		30.8	3.91	15.95	0.15	1.2	0.138	2.86	22.8	40.4	0.68	1760	9.73	0.03	7.6	2.8
R615088		6.9	2.47	19.55	0.18	4.6	0.033	2.37	36.0	253	0.77	677	1.17	0.03	11.3	5.4
R615089		31.2	3.33	16.10	0.13	1.3	0.162	2.97	23.8	17.2	0.66	1560	3.02	0.02	7.6	2.6
R615090		39.5	2.90	16.45	0.17	1.2	0.080	3.02	21.0	112.5	0.67	866	1.66	0.08	8.5	2.8
R615091		37.9	2.84	16.30	0.17	1.2	0.076	3.01	20.5	110.0	0.66	859	2.29	0.08	8.0	2.7
R615092		145.0	4.21	16.20	0.12	1.1	0.916	2.63	10.4	18.3	0.53	1700	3.87	0.02	6.5	2.6
R615093		90.3	3.46	15.05	0.15	1.5	0.191	2.58	26.1	28.3	0.60	1080	13.30	0.03	7.3	3.5
R615094		3.1	0.46	0.40	0.15	<0.1	0.005	0.03	0.6	2.2	13.10	206	0.24	<0.01	0.3	1.6
R615095		8.1	2.19	18.65	0.25	3.6	0.026	1.90	28.1	92.1	0.60	598	2.63	0.03	10.3	4.8
R615096		8.8	2.12	19.25	0.23	2.9	0.028	2.44	27.8	76.6	0.67	624	1.05	0.03	10.0	4.5
R615097		22.5	2.21	18.85	0.23	3.5	0.028	2.23	29.0	121.0	0.64	597	1.54	0.03	10.3	4.8
R615098		1225	7.73	12.55	0.14	1.0	4.42	2.17	15.4	27.5	0.61	2940	14.65	0.08	5.5	13.6
R615099		16.8	2.82	16.20	0.28	1.3	0.043	2.45	24.9	100.5	0.78	1460	1.89	0.03	8.1	2.4
R615100		15.1	2.98	15.80	0.25	1.1	0.043	2.91	23.5	82.6	0.72	1780	2.66	0.13	7.5	2.5
R615101		10.1	3.00	17.55	0.32	1.5	0.050	2.89	28.2	17.8	0.68	700	1.77	1.78	8.8	2.7
R615102		102.5	4.28	14.35	0.17	1.1	0.161	3.03	22.4	14.7	0.80	4100	4.23	0.06	7.1	2.6
R615103		109.5	4.25	15.50	0.15	1.2	0.165	2.99	24.3	15.4	0.76	2920	4.00	0.03	7.2	2.8
R615104		19.2	2.77	18.40	0.09	4.6	0.038	1.18	34.9	371	1.07	847	1.12	0.03	10.7	8.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129526

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R616150		550	19.0	113.0	<0.002	0.80	20.7	9.6	1	1.6	129.0	0.68	0.20	12.50	0.236	2.47
R615070		750	515	108.5	<0.002	0.61	35.6	8.5	1	2.2	810	0.79	<0.05	10.05	0.294	2.72
R615071		760	30.9	142.0	0.002	0.29	18.70	7.4	1	1.6	688	0.78	<0.05	9.45	0.277	3.48
R615072		700	44.2	137.0	<0.002	0.29	20.5	7.2	1	1.3	509	0.76	<0.05	8.69	0.269	3.87
R615073		820	54.3	146.0	<0.002	0.38	24.7	8.1	1	1.5	884	0.79	<0.05	9.22	0.296	3.71
R615074		540	1315	157.5	<0.002	4.63	64.0	9.2	2	8.0	94.6	0.55	1.46	10.70	0.207	2.69
R615075		610	1490	203	<0.002	2.30	51.7	10.7	1	3.4	185.0	0.71	0.13	14.20	0.270	4.37
R615076		580	3220	185.5	0.002	2.23	53.2	9.2	1	3.5	118.5	0.65	0.13	11.65	0.233	3.51
R615077		620	422	116.5	<0.002	0.81	16.05	10.6	1	2.3	138.5	0.73	0.12	11.55	0.259	3.04
R615078		180	1.8	0.9	<0.002	<0.01	0.07	0.1	1	<0.2	49.8	<0.05	<0.05	0.08	<0.005	<0.02
R615079		560	1305	149.0	<0.002	1.12	18.50	9.8	2	2.8	132.0	0.65	0.22	14.55	0.225	2.50
R615080		570	27.2	123.5	<0.002	0.34	8.28	9.8	1	1.7	242	0.70	0.07	13.50	0.238	1.83
R615081		520	2240	131.5	<0.002	0.88	28.0	9.4	1	2.0	220	0.66	0.07	12.40	0.222	2.12
R615082		550	98.3	112.5	<0.002	0.49	25.4	9.8	1	2.0	176.5	0.68	0.06	13.70	0.236	2.54
R615083		550	960	160.5	<0.002	1.90	29.3	10.3	1	3.8	65.8	0.69	0.07	12.90	0.239	3.53
R615084		560	976	143.5	<0.002	1.97	28.1	9.5	1	3.7	63.6	0.66	0.06	11.80	0.238	3.41
R615085		530	1485	133.5	<0.002	1.64	33.1	9.6	1	3.2	119.5	0.70	0.12	13.00	0.225	2.44
R615086		620	35.0	116.0	<0.002	0.74	23.7	10.0	1	1.9	81.4	0.71	0.13	11.15	0.248	2.20
R615087		540	248	148.5	<0.002	1.53	36.1	9.9	1	2.1	75.0	0.62	0.15	12.30	0.228	3.54
R615088		1190	14.0	100.5	<0.002	0.06	24.6	6.1	1	1.6	784	0.74	<0.05	9.36	0.336	1.72
R615089		530	1745	160.0	<0.002	2.43	29.2	9.8	1	3.8	80.7	0.67	0.07	12.55	0.225	3.33
R615090		580	61.2	124.5	0.002	0.59	16.20	10.0	1	2.0	162.5	0.72	0.06	12.65	0.241	2.41
R615091		560	64.3	117.0	<0.002	0.58	15.45	9.7	1	1.9	160.0	0.67	0.06	12.30	0.240	2.35
R615092		460	6490	145.5	<0.002	3.01	69.7	8.4	1	9.4	146.0	0.57	<0.05	9.87	0.193	2.92
R615093		570	1210	150.5	<0.002	2.48	41.5	8.1	1	4.5	126.5	0.59	0.13	11.05	0.211	2.58
R615094		190	4.9	1.4	<0.002	<0.01	0.14	0.2	1	<0.2	49.3	<0.05	<0.05	0.12	<0.005	<0.02
R615095		990	39.1	70.5	<0.002	0.10	27.2	4.8	1	1.7	482	0.73	<0.05	9.05	0.286	1.11
R615096		860	25.0	90.6	<0.002	0.05	24.0	4.7	1	1.7	468	0.74	<0.05	8.97	0.265	1.30
R615097		970	21.8	85.7	<0.002	0.03	25.8	4.8	1	2.4	483	0.70	<0.05	9.07	0.284	1.30
R615098		450	9440	130.5	0.002	6.77	212	7.0	2	8.3	116.0	0.45	0.46	8.14	0.176	2.27
R615099		570	56.2	121.0	<0.002	0.59	22.3	10.3	2	1.6	156.5	0.70	<0.05	13.50	0.236	2.51
R615100		540	113.5	140.0	<0.002	0.93	23.9	9.8	1	2.2	123.5	0.61	<0.05	12.70	0.231	2.66
R615101		600	27.9	124.0	<0.002	0.11	5.01	11.1	1	1.8	306	0.75	<0.05	13.60	0.255	1.73
R615102		510	8200	163.5	<0.002	2.96	44.6	9.0	1	4.0	85.6	0.58	0.17	12.00	0.205	2.84
R615103		520	1970	161.5	<0.002	2.79	52.3	9.4	1	5.3	52.2	0.64	0.20	12.95	0.215	2.96
R615104		1350	33.9	49.6	<0.002	0.11	37.3	6.9	<1	1.8	450	0.69	<0.05	8.47	0.363	0.88

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Finalized Date: 8-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129526

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R616150		5.8	64	2.7	16.0	115	33.3	0.015
R615070		6.4	70	16.9	15.0	665	114.0	0.248
R615071		7.2	64	8.7	13.7	80	124.5	0.010
R615072		5.5	63	7.4	12.7	100	122.5	0.020
R615073		5.7	70	13.4	14.2	213	140.0	0.041
R615074		5.1	60	6.2	11.1	2390	31.1	0.885
R615075		5.9	70	8.6	14.8	2010	61.3	0.929
R615076		5.8	61	8.0	14.5	4720	65.4	0.920
R615077		4.5	69	4.3	13.9	430	40.3	0.147
R615078		0.6	1	0.1	0.8	17	<0.5	<0.005
R615079		5.2	60	3.5	15.6	802	32.7	0.127
R615080		4.4	64	1.9	15.2	74	36.3	0.008
R615081		4.7	58	57.5	14.6	2130	38.7	0.829
R615082		7.1	63	4.9	15.1	187	44.4	0.080
R615083		5.8	64	5.1	11.5	1070	35.9	0.290
R615084		5.4	65	4.7	10.3	1120	34.3	0.300
R615085		6.1	60	4.5	13.2	1730	38.5	0.449
R615086		4.1	68	2.6	11.5	67	33.9	0.007
R615087		6.2	66	6.0	11.7	441	35.5	0.052
R615088		6.2	57	2.3	12.3	82	198.0	<0.005
R615089		4.9	59	4.6	11.7	1570	36.2	1.475
R615090		5.7	64	3.2	13.6	102	36.4	0.160
R615091		5.3	64	2.9	13.4	95	36.3	0.164
R615092		4.0	51	7.8	10.5	4200	33.4	0.901
R615093		6.3	54	4.3	11.1	1940	55.9	0.581
R615094		0.8	1	0.1	0.8	20	0.5	<0.005
R615095		6.8	48	3.0	8.5	121	141.5	0.009
R615096		4.3	43	2.9	8.0	116	111.5	<0.005
R615097		5.7	47	3.3	8.6	120	137.0	0.005
R615098		5.2	50	4.7	8.6	>10000	32.9	4.44
R615099		4.9	63	6.4	15.6	196	38.7	0.017
R615100		4.9	61	6.6	13.2	378	34.0	0.064
R615101		4.8	69	3.6	17.2	70	42.2	<0.005
R615102		5.8	56	8.1	14.3	6380	31.6	1.370
R615103		5.2	59	7.2	12.5	2340	35.9	0.940
R615104		4.1	64	7.4	11.6	106	183.0	0.015

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 8-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129526

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-01	CRU-32
CRU-QC	LOG-21d	LOG-22	LOG-23
ME-MS61	ME-OG62	PUL-35a	PUL-35ad
SPL-21	SPL-21d	WEI-21	Zn-OG62

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Finalized Date: 1-SEP-2016
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CERTIFICATE VA16129527

Project: Klaza

P.O. No.: Batch 108

This report is for 7 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage

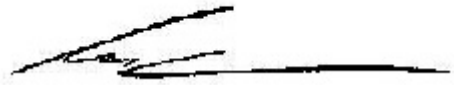
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129527

Sample Description	Method	WEI-21	Pb-OG62	As-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Pb	As	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R615105		2.74			9.78	6.76	3310	2280	1.58	6.76	3.10	12.20	44.4	7.0	18	26.9
R615106		3.02			1.11	7.57	199.0	2210	1.77	0.57	2.28	3.94	58.3	8.6	19	25.1
R615107		5.56	1.110	0.993	65.9	5.53	10000	1930	1.23	12.35	2.11	148.0	40.4	8.2	13	18.15
R615108		2.60			1.53	7.20	255	1970	1.37	0.43	2.55	4.38	51.3	7.5	13	24.2
R615109		8.56			1.05	7.13	65.6	1230	1.31	0.21	2.19	0.52	41.9	7.1	16	21.2
R615110		4.06			10.55	6.80	824	1120	1.53	1.78	2.42	88.4	49.7	5.7	12	16.85
R615111		6.02			0.01	0.07	1.7	30	0.05	0.04	20.8	0.16	1.18	0.7	<1	0.16

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CERTIFICATE OF ANALYSIS VA16129527

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R615105		155.0	4.00	13.85	0.13	1.3	0.307	2.94	23.1	30.2	1.05	2430	1.92	0.06	6.6	5.1
R615106		37.0	2.94	17.50	0.12	3.2	0.051	1.88	31.1	148.5	0.88	1240	2.03	0.03	9.5	5.3
R615107		573	6.54	12.30	<0.05	0.9	1.430	2.32	21.9	24.2	0.76	2610	5.01	0.05	5.6	2.8
R615108		17.7	3.08	15.70	<0.05	1.0	0.113	3.00	27.9	24.2	0.89	1820	7.03	0.03	7.4	2.8
R615109		24.0	2.80	16.40	<0.05	1.1	0.058	2.29	21.0	158.0	0.73	1480	4.94	0.03	7.9	2.4
R615110		118.5	3.74	14.65	<0.05	1.1	6.25	3.06	26.4	11.6	0.80	3950	3.85	0.02	7.0	2.3
R615111		1.7	0.47	0.22	<0.05	<0.1	0.010	0.02	0.7	1.2	12.95	198	0.08	0.01	0.1	1.9

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R615105		530	1140	137.5	0.003	2.00	41.5	8.3	<1	3.0	132.0	0.56	0.06	11.35	0.212	2.64
R615106		1010	224	80.6	<0.002	0.81	29.8	7.8	1	3.4	452	0.68	0.18	10.25	0.306	1.81
R615107		420	>10000	138.0	0.002	6.31	190.0	7.5	1	6.0	115.0	0.48	2.72	11.05	0.172	2.41
R615108		550	254	167.0	0.002	1.34	17.05	9.4	1	2.6	123.5	0.62	0.13	12.70	0.229	3.38
R615109		610	153.0	97.3	0.002	0.60	20.2	9.6	1	1.9	221	0.63	<0.05	11.05	0.251	2.37
R615110		540	1885	181.0	<0.002	3.13	33.4	9.4	1	2.8	82.2	0.57	0.42	12.50	0.223	3.27
R615111		160	3.9	0.9	<0.002	<0.01	0.11	0.2	1	<0.2	53.0	<0.05	<0.05	0.11	<0.005	<0.02

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16129527

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
R615105		4.9	56	4.3	14.0	1080	40.4	1.170
R615106		6.9	65	9.7	13.7	325	128.0	0.044
R615107		5.1	47	4.9	9.9	9640	22.8	3.03
R615108		4.7	62	4.9	12.4	435	25.9	0.041
R615109		3.4	68	5.0	12.2	81	27.2	0.016
R615110		3.9	60	6.0	13.6	8080	29.1	0.558
R615111		0.9	1	0.1	0.7	28	<0.5	<0.005

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Project: Klaza

Finalized Date: 1-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16129527

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	BAG-01	CRU-32
LOG-22	ME-MS61	ME-OG62	Pb-OG62
PUL-35a	SPL-21	WEI-21	

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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16146271

Project: Klaza

P.O. No.: Batch 57

This report is for 3 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-SEP-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16146271

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
S047514		1.24
S047518		3.46
S047529		0.62

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16146271

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE VA16146309

Project: Klaza

P.O. No.: Batch 62

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 1-SEP-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA16146309

Sample Description	Method Analyte Units LOR	Au-AA13 Au ppm 0.03
R614231		1.94

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 4-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA16146309

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA13 FND-02

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Finalized Date: 20-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135087

Project: Klaza

P.O. No.: HGTR1

This report is for 8 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um

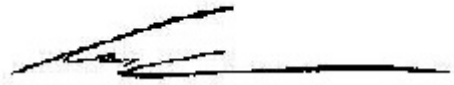
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 20-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135087

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
S051046		4.20			5.27	7.98	163.0	950	1.48	30.5	1.14	2.24	58.1	8.3	49	16.60
S051013		9.74			11.25	6.68	482	370	0.65	414	0.43	0.16	31.6	2.5	18	15.20
S047977		6.18	165	6.98	>100	3.46	177.5	240	0.53	23.2	0.09	8.89	23.1	0.9	7	2.43
S047996		8.62			2.52	8.37	236	1130	1.67	7.19	0.20	11.05	64.7	5.0	3	23.1
K291374		6.42			0.06	0.05	0.4	50	<0.05	0.08	20.4	0.06	1.04	0.7	1	0.11
K291362		3.76			0.48	7.95	92.3	650	1.63	1.47	3.56	0.86	61.3	81.9	51	46.6
K291363		3.58			0.32	7.87	78.8	870	1.59	1.44	1.89	0.60	58.1	51.9	51	69.6
K291364		4.70			0.20	7.66	33.9	1180	1.55	1.93	3.30	0.25	54.7	21.2	53	83.9

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 20-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
S051046		183.5	5.39	19.05	0.13	1.9	0.221	2.71	29.1	18.8	0.96	363	1.74	0.74	6.7	11.6
S051013		169.5	11.20	17.10	0.09	0.3	0.099	2.10	17.2	9.9	0.53	83	2.37	1.05	4.0	2.6
S047977		334	13.55	10.80	0.09	0.4	10.60	0.81	12.5	16.4	0.12	216	4.68	0.03	3.2	0.8
S047996		117.0	4.69	17.55	0.13	1.2	1.085	3.17	34.3	19.5	0.31	281	1.60	0.11	7.8	1.1
K291374		4.8	0.43	0.16	<0.05	<0.1	0.005	0.02	0.5	0.9	12.50	190	<0.05	0.01	0.2	1.2
K291362		72.9	5.82	19.50	0.13	1.8	0.372	1.95	31.3	57.1	0.59	994	0.69	0.87	8.1	14.4
K291363		46.8	4.71	18.60	0.13	1.9	0.302	2.14	26.3	51.7	0.63	974	0.66	1.10	7.8	14.3
K291364		5.0	4.49	16.75	0.13	2.1	0.301	1.98	25.7	29.6	0.99	855	1.10	1.67	7.5	13.5

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Finalized Date: 20-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
S051046		520	68.8	177.0	<0.002	0.59	15.45	17.5	1	4.1	211	0.54	1.99	14.80	0.299	4.22
S051013		590	77.7	125.5	<0.002	2.77	9.70	12.0	2	4.5	345	0.30	3.70	5.35	0.297	3.22
S047977		480	>10000	34.8	<0.002	2.42	152.0	3.0	2	1.9	20.3	0.24	2.85	4.29	0.125	0.76
S047996		890	118.5	162.5	<0.002	0.63	18.50	10.3	1	3.1	148.0	0.57	0.21	14.00	0.283	3.56
K291374		190	10.4	0.8	<0.002	<0.01	<0.05	0.2	1	<0.2	47.4	<0.05	<0.05	0.06	<0.005	<0.02
K291362		610	58.1	107.5	<0.002	0.01	60.3	19.5	1	3.4	138.5	0.63	0.11	13.15	0.373	1.77
K291363		590	44.1	117.0	<0.002	0.01	40.9	20.3	1	2.8	188.0	0.61	0.06	13.30	0.360	1.85
K291364		550	25.8	106.0	<0.002	0.01	19.05	19.9	1	2.8	351	0.61	0.12	13.55	0.348	1.74

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 20-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135087

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
S051046		3.3	114	2.4	16.0	358	67.7	0.113
S051013		2.3	118	2.7	3.6	58	9.4	4.46
S047977		1.1	36	2.3	3.5	2740	13.9	3.56
S047996		2.9	64	6.2	15.0	796	46.6	0.119
K291374		0.5	1	0.1	0.7	16	<0.5	<0.005
K291362		3.0	134	5.8	26.4	108	59.2	0.013
K291363		3.2	122	3.0	21.4	94	63.2	0.008
K291364		2.9	119	1.6	20.9	68	72.8	<0.005

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 20-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135087

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-22	ME-MS61	ME-OG62	Pb-OG62
PUL-31	SPL-21	WEI-21	

ALS Canada Ltd.

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Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135089

Project: Klaza

P.O. No.: Trench 88

This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um

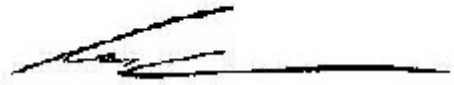
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135089

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S051005		6.32	0.50	8.35	21.0	850	1.19	37.0	3.20	0.28	41.9	14.5	21	14.60	110.5	6.26
S051006		8.08	0.55	8.45	19.0	850	1.30	20.2	3.47	0.31	45.0	16.8	19	13.80	124.0	5.85
S051007		0.32	9.67	6.73	1845	180	1.55	6.04	1.94	40.5	44.0	18.1	20	17.10	111.0	5.24
S051008		11.06	0.72	8.43	35.9	860	1.41	21.2	2.59	0.16	36.6	13.8	19	18.65	172.0	6.51
S051009		9.28	0.58	8.48	33.9	860	1.16	8.70	3.08	0.24	47.5	7.1	21	19.25	59.3	6.20
S051010		7.56	0.57	8.12	26.0	920	1.34	8.66	3.10	0.21	43.7	10.7	17	17.65	73.4	6.29
S051012		8.32	1.20	8.92	112.5	1090	1.38	17.30	2.02	0.38	44.9	6.2	16	18.65	139.0	5.74
S051014		10.32	1.16	8.43	165.5	670	1.26	23.6	1.49	0.20	44.1	10.2	18	19.30	78.0	5.83
S051015		12.38	0.80	8.76	55.4	1310	1.79	5.27	1.38	0.25	58.8	14.3	11	18.05	27.1	4.05
S051016		11.96	0.48	8.37	50.4	900	1.70	3.77	1.34	0.34	53.1	13.5	11	18.90	27.4	4.06
S051017		5.20	1.25	7.96	55.3	1000	1.47	7.79	1.13	0.33	61.4	8.2	15	11.60	11.7	5.87
S051011		9.68	1.44	8.31	120.5	990	1.30	28.1	2.48	0.30	48.1	8.6	19	18.95	140.5	7.49
S051055		6.24	2.18	8.16	36.6	1560	1.44	5.17	1.31	1.64	59.1	17.7	33	16.95	194.0	4.30
K291360		5.98	0.01	0.08	0.4	20	0.05	0.13	20.7	0.11	1.29	0.7	1	0.20	3.1	0.49

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S051005		20.8	0.11	0.7	0.128	1.58	20.0	17.2	1.86	558	2.19	2.25	5.2	5.9	1010	15.2
S051006		21.2	0.14	0.7	0.172	1.53	20.8	15.7	1.97	663	2.37	2.34	5.6	6.2	1030	11.5
S051007		14.15	0.13	1.3	0.927	2.88	22.1	24.3	0.71	1980	11.60	0.27	6.9	14.9	500	1400
S051008		22.4	0.08	0.7	0.188	1.72	18.1	17.4	1.77	489	3.24	1.90	5.7	6.4	1100	12.9
S051009		21.4	0.11	0.6	0.346	1.71	24.8	13.2	1.65	507	2.52	1.97	6.3	5.4	1060	14.3
S051010		19.55	0.09	0.7	0.546	1.71	21.3	12.1	1.68	632	2.66	2.02	6.8	4.1	1090	13.9
S051012		20.2	0.10	0.4	0.081	2.35	23.5	17.1	1.22	235	1.46	1.89	7.3	4.7	800	30.6
S051014		18.40	0.10	0.7	0.065	1.83	23.8	19.5	1.45	284	1.10	1.25	5.2	6.7	680	29.1
S051015		18.15	0.12	0.5	0.038	2.97	31.8	18.8	0.96	227	1.01	1.35	7.4	4.1	640	27.1
S051016		18.45	0.10	0.5	0.065	2.26	25.8	17.6	0.85	327	1.27	1.44	8.3	4.1	680	23.2
S051017		18.30	0.10	1.1	0.076	2.64	33.8	13.3	0.75	347	1.26	1.57	7.2	3.1	730	38.5
S051011		21.5	0.11	0.7	0.174	2.20	25.5	15.5	1.72	437	2.63	1.86	6.4	3.9	1080	25.0
S051055		17.30	0.10	1.9	0.300	2.72	32.7	22.8	1.20	578	1.77	1.63	8.6	13.1	700	27.8
K291360		0.23	<0.05	<0.1	0.007	0.03	0.6	1.0	12.95	205	0.08	0.01	0.2	1.5	180	1.3

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S051005		80.2	<0.002	0.59	2.53	20.7	2	3.4	723	0.34	1.50	4.68	0.456	1.99	2.4	165
S051006		74.4	<0.002	0.36	2.41	22.8	2	3.3	671	0.37	1.25	5.08	0.483	2.01	2.3	172
S051007		148.5	<0.002	3.14	35.8	8.4	1	5.6	151.0	0.58	0.34	12.55	0.208	2.50	4.9	58
S051008		80.4	<0.002	0.56	4.07	18.0	2	5.3	620	0.34	1.22	4.42	0.462	2.87	2.3	176
S051009		110.5	<0.002	0.56	4.62	18.1	1	5.3	640	0.38	0.68	5.70	0.436	3.22	2.7	161
S051010		95.9	<0.002	0.67	4.51	16.9	1	4.0	654	0.40	0.55	5.45	0.457	2.87	2.3	147
S051012		127.0	<0.002	0.86	2.81	17.4	1	5.0	456	0.51	0.89	8.30	0.395	3.68	2.9	137
S051014		142.0	<0.002	0.62	4.15	17.4	1	3.8	315	0.36	1.65	7.13	0.352	3.34	2.2	147
S051015		163.5	<0.002	0.28	2.43	16.0	1	3.8	287	0.52	0.63	11.10	0.339	3.57	2.6	121
S051016		127.0	<0.002	0.17	2.34	15.4	1	3.2	304	0.56	0.32	11.00	0.338	2.97	2.6	118
S051017		159.0	<0.002	0.68	3.40	15.7	2	3.7	384	0.49	0.59	13.40	0.283	2.33	3.1	113
S051011		146.5	<0.002	0.94	2.65	17.6	1	5.0	568	0.40	1.29	6.50	0.433	3.79	2.1	155
S051055		144.5	<0.002	0.23	5.19	13.4	1	3.5	276	0.62	0.35	15.90	0.346	3.43	3.4	96
K291360		1.4	<0.002	<0.01	0.08	0.2	1	<0.2	48.2	<0.05	<0.05	0.15	<0.005	0.03	0.6	2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135089

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S051005		2.3	18.2	97	14.7	0.033
S051006		1.6	21.2	96	16.7	0.034
S051007		5.2	11.7	3090	40.0	0.792
S051008		4.3	15.2	94	14.1	0.056
S051009		2.3	17.0	64	11.7	0.046
S051010		1.9	16.7	73	14.3	0.034
S051012		2.3	13.4	67	10.9	0.108
S051014		1.8	17.8	76	16.5	0.290
S051015		2.3	20.4	84	15.1	0.054
S051016		3.6	17.6	101	17.7	0.027
S051017		5.6	12.4	126	37.8	0.052
S051011		2.0	16.2	65	14.6	0.419
S051055		2.6	21.7	236	58.0	0.124
K291360		0.1	0.8	16	<0.5	<0.005

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135089

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-22
LOG-23	ME-MS61	PUL-31	SPL-21
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135091

Project: Klaza

P.O. No.: Trench 89

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

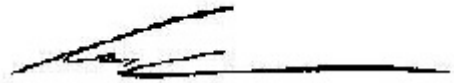
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135091

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S051018		5.28	0.22	8.82	9.5	1010	1.51	6.72	3.06	0.89	38.4	32.7	19	10.35	137.0	5.97
S051019		5.66	0.56	8.71	32.9	1150	1.39	9.92	2.30	1.86	40.7	38.8	21	13.55	156.5	5.22
S051020		6.72	0.43	8.48	24.3	1160	1.62	5.78	1.61	1.54	48.4	21.1	30	12.70	120.0	4.15
S051021		7.38	0.33	8.61	22.0	1000	1.45	3.54	2.73	1.01	47.2	28.2	28	11.55	94.4	4.24
S051022		5.96	0.33	8.69	25.2	700	1.36	6.33	2.79	0.66	34.9	18.9	27	13.25	145.0	5.16
S051023		5.78	0.22	8.76	17.5	630	1.41	2.61	3.15	0.56	31.5	15.2	26	11.70	54.4	4.48
S051024		4.38	0.26	8.49	21.0	700	1.23	3.04	3.19	0.41	29.7	19.9	28	11.20	63.0	4.84
S051025		8.60	0.33	9.04	25.2	760	1.41	6.69	2.64	0.34	35.2	17.0	25	16.30	86.1	4.61
S051026		4.18	1.00	8.80	42.0	750	1.33	10.85	2.02	0.50	38.5	11.3	25	17.05	79.4	4.80
S051027		5.88	2.56	7.10	170.5	950	1.07	17.35	0.89	0.82	42.7	6.2	23	13.20	72.4	7.29
S051028		8.36	0.34	9.17	31.4	760	1.30	4.49	2.26	0.95	42.5	13.9	28	16.50	53.0	5.63
S051029		7.84	0.60	9.10	57.8	910	1.40	8.76	1.68	0.59	41.7	11.8	27	16.85	82.0	5.11
S051030		6.22	0.66	9.32	62.5	940	1.55	8.33	1.58	0.88	35.0	19.0	28	17.85	120.0	4.72
S051031		6.34	1.67	8.92	98.9	1110	1.42	59.3	1.69	1.15	36.3	15.9	27	17.85	175.5	5.39
S051032		6.58	0.56	8.42	38.7	670	1.28	7.91	2.33	0.74	38.1	16.3	25	22.4	94.8	5.10
S051033		8.12	0.82	9.00	31.1	810	1.45	21.3	2.60	0.94	40.5	16.6	27	20.5	178.5	4.88
S051034		10.94	1.47	7.48	81.6	1460	1.42	40.2	0.19	2.02	61.7	6.9	9	14.70	111.0	2.84
S051035		6.04	0.01	0.15	<0.2	30	0.07	0.15	21.0	0.06	1.18	0.7	1	0.33	1.6	0.49
S051036		4.44	2.31	7.36	117.0	1780	1.19	29.7	0.18	2.54	67.2	5.2	9	12.20	159.5	3.13
S051037		3.38	1.64	9.39	40.0	1560	1.45	42.2	1.41	2.08	47.3	19.6	25	22.1	249	3.95
S051038		6.46	0.93	8.94	48.5	1180	1.69	5.27	1.93	2.50	33.8	14.6	27	17.90	118.5	4.19
S051039		6.56	2.55	7.69	217	9020	1.75	10.00	0.18	7.47	58.6	18.8	40	14.35	97.1	4.87
S051040		4.30	0.85	7.96	101.5	2120	1.68	5.46	0.24	7.60	68.2	20.2	35	15.70	65.9	3.68
S051041		6.02	2.61	7.68	113.5	2220	1.22	23.3	0.19	2.99	47.7	15.5	34	13.35	236	3.80
S051042		5.94	2.28	8.04	52.5	1470	1.46	25.5	0.87	2.15	54.7	12.1	34	12.45	170.5	3.59
S051043		4.14	1.44	7.98	95.1	1110	1.52	7.44	0.42	2.81	44.1	10.6	35	11.80	140.5	3.90
S051044		0.32	9.38	6.88	1875	1540	1.40	6.70	1.96	42.3	45.4	18.4	22	17.75	113.5	5.48
S051045		3.52	4.66	6.25	243	740	0.72	19.00	0.26	1.40	55.1	2.5	43	11.40	43.8	5.35
S051054		6.62	2.63	7.54	286	1130	1.23	17.60	0.20	2.69	58.4	5.8	50	11.85	154.5	6.82
S051047		4.90	10.95	5.23	732	660	0.49	30.4	0.38	3.13	46.3	1.8	36	12.20	69.8	11.05
S051048		5.20	2.93	7.92	95.5	1430	1.25	5.62	0.52	1.66	50.5	6.7	21	14.00	94.2	3.51
S051049		4.20	1.88	7.69	23.3	1260	1.36	3.47	1.90	1.10	42.4	13.8	50	19.00	113.0	3.64
S051050		6.68	3.00	8.01	84.6	1520	1.70	21.5	0.64	3.85	71.4	10.3	31	11.30	248	4.52
S051051		5.22	1.18	7.95	48.2	1180	1.32	7.33	1.83	4.47	67.7	20.9	53	15.00	119.5	4.80
S051052		6.28	0.99	7.88	25.3	950	1.31	4.17	1.78	2.09	49.1	15.5	50	24.7	154.0	4.41
S051053		4.34	2.09	9.18	100.5	1000	1.84	18.70	0.61	3.44	22.6	20.3	59	18.85	358	6.73

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 16-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS WH16135091

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S051018		20.2	0.12	0.8	0.080	1.44	17.2	22.2	1.96	881	2.67	2.33	5.8	11.6	1070	13.4
S051019		18.15	0.14	1.0	0.092	1.86	18.4	20.7	1.64	1120	2.00	1.93	6.2	13.5	920	19.9
S051020		15.95	0.15	1.4	0.078	2.31	24.9	17.5	1.08	659	0.98	1.52	7.3	14.2	540	26.0
S051021		16.35	0.15	1.5	0.063	1.98	23.6	15.2	1.33	751	0.97	1.73	7.0	13.0	630	27.1
S051022		17.35	0.13	1.4	0.065	1.49	16.6	17.4	1.33	570	0.54	1.87	6.3	12.7	750	15.1
S051023		17.55	0.14	1.4	0.074	1.48	15.0	18.1	1.41	580	0.32	2.07	6.5	13.2	730	12.0
S051024		17.95	0.12	1.4	0.057	1.53	14.2	19.0	1.47	588	0.57	2.12	6.5	13.8	770	15.2
S051025		17.40	0.16	1.5	0.055	1.71	17.4	16.3	1.38	417	0.38	1.84	6.5	12.2	750	15.0
S051026		16.75	0.15	1.4	0.063	1.80	20.0	17.6	1.25	256	0.49	1.67	6.0	10.8	720	47.7
S051027		15.75	0.15	1.3	0.082	2.70	23.5	11.1	0.66	178	0.96	1.39	3.8	5.3	740	109.0
S051028		18.05	0.13	1.5	0.063	1.82	21.1	16.5	1.37	390	0.64	2.01	6.1	11.2	810	17.6
S051029		18.25	0.14	1.5	0.038	2.09	20.0	18.6	1.26	209	0.61	1.97	4.4	8.3	870	22.8
S051030		19.30	0.14	1.6	0.055	2.17	16.7	22.4	1.31	245	1.06	1.61	4.9	12.6	780	34.5
S051031		18.35	0.12	1.4	0.069	2.48	18.4	19.8	1.52	343	0.77	1.71	4.8	9.8	740	33.3
S051032		18.20	0.15	1.4	0.077	1.80	19.9	19.4	1.34	365	0.69	2.01	6.1	9.7	750	19.9
S051033		18.85	0.16	1.6	0.075	1.80	20.4	20.5	1.61	438	0.57	2.08	6.3	11.6	810	20.3
S051034		14.45	0.13	2.0	0.077	3.47	34.2	13.3	0.45	160	2.63	0.27	5.2	4.3	390	37.3
S051035		0.46	0.24	<0.1	<0.005	0.03	0.6	1.2	12.85	207	0.09	0.01	0.3	1.6	170	1.3
S051036		13.50	0.20	2.0	0.110	3.84	38.4	11.2	0.50	137	4.41	0.19	4.9	4.2	400	44.1
S051037		19.30	0.21	1.5	0.130	3.12	23.0	21.1	1.43	482	5.18	1.38	6.5	11.4	720	23.2
S051038		18.00	0.13	1.8	0.095	2.19	15.3	25.7	1.48	549	1.64	1.58	6.5	12.4	730	23.7
S051039		15.45	0.10	2.0	0.267	1.71	30.0	39.1	0.24	806	3.28	0.05	6.7	14.0	500	103.5
S051040		15.80	0.12	2.1	0.151	2.01	30.4	37.4	0.26	1130	2.16	0.10	8.2	14.3	510	40.7
S051041		13.75	0.12	1.7	0.158	4.54	24.5	19.9	0.23	470	2.09	0.18	6.6	10.9	440	54.1
S051042		15.80	0.15	2.0	0.174	3.02	25.5	17.0	1.14	483	1.79	1.33	8.3	10.3	530	65.7
S051043		15.70	0.11	1.8	0.169	2.72	22.1	23.3	0.77	303	1.70	0.68	8.3	10.4	470	47.5
S051044		14.60	0.13	1.4	0.941	2.98	24.2	24.2	0.73	2060	11.65	0.28	7.4	15.3	520	1430
S051045		16.85	0.12	2.1	0.256	2.65	29.8	10.4	0.35	154	1.37	0.19	4.1	3.3	360	142.0
S051054		18.45	0.13	2.7	0.253	2.76	37.0	17.1	0.51	199	5.18	0.27	5.1	8.2	560	56.0
S051047		16.20	0.09	1.8	0.561	2.13	27.6	9.3	0.33	143	3.81	0.22	3.2	2.5	560	142.0
S051048		16.15	0.13	2.6	0.266	3.52	24.3	16.7	0.56	323	1.75	0.85	7.3	6.8	450	75.2
S051049		15.85	0.12	2.8	0.210	2.88	20.9	20.9	1.39	670	1.34	1.79	9.1	14.9	560	33.5
S051050		18.35	0.16	2.3	0.405	2.77	37.7	10.0	0.88	555	2.75	0.88	5.9	9.4	1150	79.2
S051051		15.70	0.15	2.6	0.270	1.87	32.3	15.7	1.51	1550	2.10	1.74	8.1	18.8	680	50.9
S051052		15.20	0.12	2.3	0.250	1.76	22.4	18.3	1.44	937	3.26	1.69	8.4	15.7	620	20.1
S051053		21.1	0.10	2.1	0.387	1.89	11.8	26.8	0.85	478	11.00	0.50	9.6	19.7	640	28.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135091

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S051018		46.7	<0.002	0.12	2.02	19.2	2	2.5	641	0.37	0.48	4.36	0.458	1.50	1.9	172
S051019		66.9	<0.002	0.16	2.77	18.2	2	2.3	519	0.42	1.07	6.20	0.420	1.90	3.0	153
S051020		102.0	0.002	0.26	2.24	17.2	1	2.3	346	0.59	0.93	12.90	0.341	2.40	5.3	119
S051021		79.8	0.002	0.29	2.13	16.4	1	1.9	383	0.53	0.50	9.85	0.367	1.79	2.8	128
S051022		58.7	<0.002	0.36	2.62	14.6	1	1.7	458	0.48	0.65	6.11	0.382	2.16	2.5	140
S051023		54.3	<0.002	0.29	2.38	14.4	1	1.5	484	0.51	0.64	5.51	0.397	2.06	2.1	142
S051024		54.7	0.002	0.46	2.60	14.4	1	1.6	492	0.52	0.42	5.44	0.384	2.08	1.8	139
S051025		82.0	<0.002	0.35	2.42	15.2	1	2.0	448	0.50	0.69	6.48	0.392	2.51	2.3	140
S051026		113.5	0.002	0.52	3.27	15.2	1	3.0	431	0.45	1.14	7.17	0.364	2.74	2.6	132
S051027		152.0	<0.002	2.05	8.96	13.9	1	2.9	378	0.28	1.78	7.14	0.244	2.84	2.0	115
S051028		106.5	<0.002	0.78	2.29	16.2	1	2.2	555	0.46	0.52	7.56	0.363	2.79	2.7	138
S051029		117.0	0.002	0.86	2.71	15.8	1	2.9	550	0.35	1.01	7.18	0.296	3.25	2.6	140
S051030		107.5	<0.002	0.39	3.52	16.7	1	3.0	415	0.38	0.83	6.66	0.321	3.51	3.5	143
S051031		148.5	<0.002	0.42	3.13	15.5	1	2.9	401	0.37	1.46	6.56	0.320	4.14	3.3	136
S051032		111.5	<0.002	0.57	2.60	15.2	1	3.1	478	0.44	0.57	6.51	0.357	3.42	2.9	136
S051033		108.0	<0.002	0.51	2.66	16.0	1	2.4	495	0.48	0.93	7.07	0.370	3.35	2.8	137
S051034		177.5	<0.002	0.39	8.21	4.9	1	2.4	107.5	0.48	1.81	24.3	0.132	3.12	3.2	37
S051035		1.9	<0.002	<0.01	0.08	0.2	<1	<0.2	48.9	<0.05	<0.05	0.09	<0.005	0.02	0.6	2
S051036		187.0	<0.002	0.38	7.69	4.6	1	2.6	113.0	0.46	2.45	24.6	0.132	3.23	3.7	40
S051037		154.0	<0.002	0.11	5.48	15.2	1	3.4	246	0.52	0.42	8.07	0.369	4.03	2.3	138
S051038		99.0	0.002	0.18	4.21	14.0	1	3.7	301	0.53	0.25	7.17	0.365	3.18	2.3	132
S051039		113.5	<0.002	0.45	24.7	15.0	1	3.5	111.5	0.52	0.30	14.40	0.269	2.49	3.9	99
S051040		113.5	<0.002	0.12	13.20	12.6	1	2.9	72.5	0.67	0.17	17.05	0.275	2.83	3.5	89
S051041		200	<0.002	0.13	16.50	10.5	1	3.0	130.5	0.54	0.61	15.60	0.235	4.76	3.6	82
S051042		150.0	<0.002	0.25	5.41	11.7	1	3.2	233	0.67	0.77	17.40	0.277	3.50	2.8	87
S051043		136.5	<0.002	0.21	8.65	12.6	1	3.1	163.5	0.62	0.40	15.05	0.262	3.43	3.2	91
S051044		165.5	<0.002	3.27	35.9	8.7	1	6.3	157.5	0.60	0.28	12.20	0.217	2.72	4.8	61
S051045		182.5	<0.002	1.10	12.80	14.9	1	5.9	125.5	0.32	0.61	10.70	0.223	3.67	2.0	107
S051054		177.0	<0.002	0.50	17.30	14.3	1	3.9	147.0	0.39	1.37	15.05	0.229	3.76	3.3	108
S051047		131.0	<0.002	2.01	37.9	12.8	1	6.8	215	0.26	0.75	9.03	0.199	2.46	2.8	102
S051048		187.0	<0.002	0.70	11.15	9.2	1	3.2	165.5	0.57	0.27	16.70	0.256	4.09	2.7	81
S051049		113.0	<0.002	0.46	4.83	13.2	1	2.5	312	0.62	0.32	11.70	0.328	3.44	2.6	105
S051050		144.5	<0.002	0.06	4.20	9.2	1	3.3	140.5	0.39	0.89	11.15	0.236	3.58	3.2	84
S051051		98.7	<0.002	0.10	4.83	16.1	1	2.2	312	0.58	0.49	13.70	0.359	2.54	2.9	114
S051052		73.6	<0.002	0.03	8.01	13.8	1	2.2	278	0.56	0.28	11.10	0.352	2.24	2.6	114
S051053		63.0	<0.002	0.14	15.25	16.4	1	4.4	167.5	0.66	0.87	9.53	0.377	2.95	4.3	152

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135091

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
S051018		7.2	25.9	131	20.7	0.027
S051019		5.0	32.9	150	30.8	0.020
S051020		1.5	24.7	160	42.5	0.033
S051021		1.1	23.8	150	48.1	0.018
S051022		1.1	18.3	130	54.2	0.073
S051023		1.2	16.3	124	53.8	0.025
S051024		1.2	17.6	130	52.5	0.025
S051025		1.7	18.3	114	55.7	0.039
S051026		1.2	17.1	109	53.2	0.298
S051027		5.0	9.8	86	56.0	1.060
S051028		3.3	16.6	107	59.3	0.036
S051029		4.2	13.1	80	55.9	0.045
S051030		3.9	17.1	124	60.0	0.062
S051031		2.0	16.8	131	55.5	0.165
S051032		2.0	17.7	106	58.9	0.204
S051033		1.9	18.9	119	63.3	0.199
S051034		3.5	12.0	151	64.5	0.139
S051035		0.1	0.8	19	<0.5	<0.005
S051036		2.7	15.2	181	63.4	0.091
S051037		3.1	19.4	288	57.8	0.046
S051038		2.1	18.4	297	68.4	0.040
S051039		5.3	24.0	1110	64.0	0.249
S051040		4.1	19.1	477	60.1	0.152
S051041		3.6	16.9	375	50.5	0.115
S051042		1.9	16.1	348	57.3	0.091
S051043		2.1	14.5	492	56.2	0.072
S051044		5.5	12.4	3210	48.7	0.741
S051045		3.5	8.2	224	72.4	1.335
S051054		3.9	16.0	214	94.8	0.187
S051047		4.7	11.9	307	70.9	1.895
S051048		4.2	13.4	267	86.1	0.242
S051049		1.6	18.6	268	88.1	0.056
S051050		2.5	18.1	425	90.8	0.087
S051051		1.8	20.6	401	100.5	0.054
S051052		1.5	17.6	193	78.1	0.058
S051053		3.6	17.9	339	72.4	0.131

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 16-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135091

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	CRU-QC	LOG-22
LOG-23	ME-MS61	PUL-31	PUL-QC
SPL-21	WEI-21		

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135094

Project: Klaza

P.O. No.: Trench 86

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

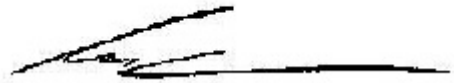
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 19-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135094

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	Zn-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Zn	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
S047968		3.18				2.36	8.18	88.4	530	1.57	2.09	0.13	19.00	22.8	12.2	6
S047969		4.58				15.85	6.04	316	330	0.82	19.85	0.10	10.20	32.5	0.8	6
S047970		1.52				1.41	7.53	22.0	1220	1.35	1.42	3.07	87.2	81.9	21.3	12
S047971		3.40				0.66	7.32	18.5	940	1.50	0.55	1.69	61.4	30.8	16.2	7
S047972		4.42				1.02	8.50	33.0	870	1.62	0.68	0.22	20.2	41.5	7.7	5
S047973		3.72				25.0	7.66	99.5	910	1.37	1.24	0.41	13.60	53.4	5.0	9
S047974		2.24				15.45	7.29	49.3	690	1.31	1.79	0.81	8.26	50.5	5.8	13
S047975		6.04				0.03	0.06	<0.2	20	0.05	0.02	19.95	0.11	1.22	0.6	1
S047976		2.28		1.235		31.4	7.02	105.5	700	0.95	1.56	0.25	13.10	45.4	1.6	2
S047977		Not Recvd														
S047978		6.96		2.41		57.4	5.65	203	560	0.68	2.55	0.15	9.10	39.3	0.6	2
S047979		4.84				2.49	7.89	35.0	1140	1.21	1.88	0.88	12.85	49.2	18.2	35
S047980		6.22				13.60	7.60	43.5	1100	1.24	1.80	1.53	6.82	54.3	17.3	32
S047981		6.08				2.93	7.97	36.0	1070	1.39	1.48	1.84	6.07	60.7	17.0	23
S047982		7.58				5.47	8.02	80.9	900	1.51	1.54	1.08	8.46	57.8	13.2	19
S047983		8.32				2.37	7.96	38.5	1200	1.51	1.44	1.55	11.05	61.1	13.9	25
S047984		10.18				3.55	8.55	52.3	1270	1.67	0.91	1.10	13.00	67.1	13.0	17
S047985		0.34	121		1.595	>100	5.45	8300	110	1.18	64.0	1.99	231	35.6	9.5	19
S047986		6.96				10.00	7.92	118.0	860	1.25	1.36	0.83	8.84	58.7	6.6	14
S047987		12.30				8.99	7.31	148.0	620	1.14	1.17	0.46	15.65	57.4	5.9	8
S047988		8.90				0.82	7.74	31.4	1060	1.40	1.30	1.41	4.75	55.1	10.2	20

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135094

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
S047968		16.60	56.2	3.61	18.15	<0.05	0.6	0.413	3.42	10.9	15.4	0.46	994	2.68	0.08	9.0
S047969		6.31	87.0	9.79	16.65	<0.05	0.5	5.66	1.35	18.3	29.6	0.15	283	1.41	0.04	6.4
S047970		10.25	29.6	3.63	16.95	0.08	0.6	0.589	2.50	37.0	24.3	1.18	1980	1.05	0.68	10.0
S047971		10.45	14.0	4.18	17.20	<0.05	0.6	0.257	1.60	14.1	36.6	0.17	2690	0.71	0.04	8.9
S047972		12.80	22.0	3.46	17.90	0.07	0.8	0.865	2.83	20.0	26.7	0.24	1100	0.95	0.08	8.7
S047973		10.10	84.4	5.52	17.30	0.07	0.9	2.93	3.23	30.6	13.7	0.38	682	1.50	0.35	8.3
S047974		6.35	75.3	5.73	16.50	0.05	0.8	1.620	1.82	26.2	24.6	1.36	1080	1.16	0.88	8.5
S047975		0.11	2.1	0.45	0.19	0.08	<0.1	0.008	0.02	0.6	0.9	12.40	191	0.08	0.01	0.2
S047976		8.66	91.2	5.77	16.65	0.06	0.8	3.29	2.92	23.8	8.6	0.71	343	0.90	0.07	7.3
S047977																
S047978		5.97	172.5	10.10	14.45	0.05	0.7	5.74	2.12	21.6	11.4	0.22	171	0.81	0.05	5.3
S047979		14.40	31.7	4.33	16.25	0.07	0.9	0.803	2.73	23.1	25.7	0.91	1500	2.02	0.66	7.4
S047980		12.50	59.7	4.95	16.70	0.07	1.0	1.585	2.79	24.1	27.2	1.54	1540	2.24	1.00	7.2
S047981		11.50	32.4	4.26	17.15	0.08	1.1	0.470	2.54	25.1	21.7	1.06	1340	1.66	1.67	8.3
S047982		12.80	51.4	4.29	16.90	0.08	1.3	0.552	2.84	24.0	18.0	0.71	1020	2.71	0.93	8.3
S047983		11.00	37.2	3.98	16.90	0.09	1.2	0.460	2.50	29.7	18.8	0.78	1060	1.59	1.56	8.4
S047984		11.45	45.8	3.78	18.10	0.10	1.3	0.471	3.48	34.0	17.2	0.65	1170	1.52	1.12	9.2
S047985		11.70	1290	8.21	12.95	0.06	1.0	4.63	2.34	18.4	30.4	0.64	3110	15.20	0.08	5.7
S047986		12.85	49.1	4.32	17.45	0.08	1.1	0.945	2.90	33.2	18.4	0.49	665	1.31	0.74	8.4
S047987		14.35	29.2	5.19	16.10	0.08	1.0	0.413	2.69	34.7	23.1	0.34	508	1.31	0.41	8.1
S047988		8.33	23.7	3.19	16.65	0.08	1.4	0.156	2.13	27.5	23.4	0.71	766	1.34	1.44	8.5

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VANCOUVER BC V6B 1L8

Finalized Date: 19-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135094

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
S047968		2.0	630	589	165.0	<0.002	0.08	12.15	12.0	1	3.1	28.4	0.63	0.08	7.69	0.310
S047969		1.0	480	2050	66.3	<0.002	0.27	34.2	8.0	1	4.5	24.0	0.45	0.47	8.45	0.233
S047970		4.4	640	261	91.0	<0.002	0.18	21.5	13.3	1	2.6	235	0.71	<0.05	11.40	0.362
S047971		3.2	620	143.0	54.9	<0.002	0.09	28.1	11.6	1	1.7	27.0	0.64	<0.05	7.59	0.333
S047972		1.8	680	279	127.5	<0.002	0.09	21.8	10.6	1	2.4	36.3	0.62	<0.05	10.50	0.295
S047973		2.8	560	8920	149.5	<0.002	0.51	39.5	9.9	1	3.0	95.4	0.58	0.38	10.15	0.293
S047974		4.0	610	4740	80.5	<0.002	0.17	23.0	10.2	1	2.5	169.5	0.60	0.14	10.20	0.298
S047975		1.0	170	7.8	1.0	<0.002	<0.01	0.10	0.2	<1	<0.2	44.8	<0.05	<0.05	0.08	<0.005
S047976		0.9	580	>10000	145.5	<0.002	0.39	34.2	7.1	1	3.0	30.7	0.50	0.27	9.47	0.243
S047977																
S047978		0.8	550	>10000	100.5	<0.002	1.45	68.9	6.3	1	2.4	26.4	0.38	1.22	6.40	0.185
S047979		9.6	540	681	124.5	<0.002	0.11	13.95	17.1	1	1.9	169.5	0.56	0.05	11.85	0.345
S047980		9.2	490	4960	136.0	<0.002	0.09	21.9	17.1	1	2.6	245	0.56	0.20	12.70	0.312
S047981		7.3	640	1435	112.5	<0.002	0.15	13.50	13.6	1	2.1	338	0.60	0.10	11.70	0.323
S047982		6.4	670	1690	150.0	<0.002	0.17	17.35	11.8	1	2.1	198.5	0.58	0.12	11.05	0.311
S047983		8.1	660	1065	106.0	<0.002	0.14	13.80	12.6	1	2.0	317	0.60	0.07	10.70	0.326
S047984		5.9	720	1615	156.5	<0.002	0.10	16.90	12.1	1	2.6	249	0.64	0.06	11.85	0.327
S047985		14.0	470	9950	137.5	<0.002	7.19	221	7.3	1	8.5	123.5	0.44	0.44	8.74	0.185
S047986		4.4	770	4240	150.5	<0.002	0.30	23.5	10.4	1	2.9	190.0	0.61	0.08	10.95	0.302
S047987		2.6	810	3750	156.0	<0.002	0.63	20.8	9.2	1	2.8	155.5	0.54	0.17	10.55	0.279
S047988		7.4	640	163.5	91.8	<0.002	0.03	7.16	11.3	1	1.8	288	0.60	<0.05	9.93	0.315

***** See Appendix Page for comments regarding this certificate *****

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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135094

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S047968		3.19	2.8	82	5.2	9.6	2020	16.9	0.035
S047969		1.22	1.5	71	5.2	6.2	2460	12.7	2.11
S047970		1.55	2.4	108	8.3	23.6	3250	18.9	0.247
S047971		1.16	1.6	99	5.1	18.3	3600	19.7	0.017
S047972		2.11	2.8	72	5.4	17.1	2140	28.3	0.025
S047973		2.49	2.0	73	4.2	14.7	1780	28.7	0.251
S047974		1.19	2.7	75	3.0	15.3	3160	28.5	0.217
S047975		<0.02	0.7	2	0.1	0.8	22	<0.5	<0.005
S047976		2.68	1.9	54	4.2	7.1	2950	28.5	0.312
S047977									
S047978		1.88	1.9	54	2.7	5.2	2140	24.5	0.601
S047979		2.30	2.1	124	2.9	18.8	2360	27.1	0.074
S047980		2.57	2.9	116	3.9	21.5	1760	28.6	0.409
S047981		1.95	2.3	91	2.5	19.0	1440	35.3	0.109
S047982		2.15	2.5	78	3.0	18.1	1860	50.4	0.151
S047983		1.58	2.3	86	2.5	21.2	1660	48.4	0.082
S047984		2.44	2.7	81	3.0	20.9	1780	41.4	0.087
S047985		2.24	5.2	54	4.5	9.4	>10000	30.2	4.39
S047986		2.27	2.6	75	3.7	16.0	1510	37.2	0.234
S047987		2.34	2.7	68	4.3	16.2	1240	40.4	0.254
S047988		1.27	2.1	82	2.2	17.2	378	44.9	0.041

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 19-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135094

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-QC	SPL-21
WEI-21	Zn-OG62		

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Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135096

Project: Klaza

P.O. No.: Trench 90

This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

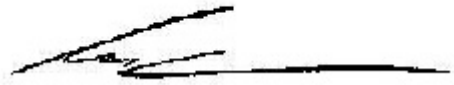
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 22-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS WH16135096

Sample Description	Method	WEI-21	Ag-OG62	Pb-OG62	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
K291361		2.36			0.12	7.61	94.7	820	1.96	2.04	5.81	0.58	46.0	23.1	49	46.3
K291365		6.60			0.15	7.88	29.8	1340	1.64	1.71	3.71	0.24	48.8	16.8	51	85.1
K291366		3.36			0.10	7.31	28.0	1310	2.03	0.82	3.08	0.26	43.4	10.9	38	60.5
K291367		3.44			0.22	6.73	28.6	2040	1.73	0.40	3.14	0.39	39.1	8.0	17	32.0
K291368		3.98			0.12	7.34	34.9	1910	1.78	0.36	2.79	0.26	43.4	9.4	19	32.9
K291369		2.90			0.67	8.47	44.3	1130	1.48	0.33	2.00	1.16	53.0	29.3	27	20.7
K291376		0.32			10.55	7.42	2000	1270	1.49	6.73	2.09	42.5	47.7	17.5	21	18.60
K291370		3.88			0.78	8.93	35.5	880	1.31	0.35	2.27	1.27	53.7	22.9	31	12.00
K291371		4.36			0.68	8.84	43.0	860	1.26	0.47	2.08	1.29	54.1	30.2	28	12.20
K291372		4.20			0.68	8.62	33.3	750	1.45	0.29	1.93	1.14	51.0	30.1	38	9.24
K291373		4.80			0.61	9.03	37.8	860	1.29	0.33	2.15	1.21	56.9	29.0	35	10.50
K291375		5.96			0.01	0.07	<0.2	50	0.06	0.03	21.5	0.06	1.26	0.7	1	0.18
K291377		2.42			12.35	4.41	252	250	0.75	121.0	0.28	0.17	70.8	2.0	10	4.02
K291378		1.68			13.25	4.13	337	290	0.78	162.0	0.27	0.24	61.8	3.0	11	4.51
S047967		2.48	537	1.295	>100	5.10	7080	680	0.91	0.36	0.14	22.1	29.4	0.5	6	6.29

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CERTIFICATE OF ANALYSIS WH16135096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K291361		6.6	7.17	26.2	0.10	1.9	0.753	1.95	22.4	57.4	0.45	2350	0.72	1.10	8.8	19.3
K291365		7.8	4.75	18.70	0.09	2.4	0.354	2.15	24.6	30.5	1.05	993	0.85	1.75	8.3	14.8
K291366		6.2	3.44	18.95	0.09	2.6	0.189	2.52	20.7	55.4	0.57	870	1.10	1.20	9.5	10.9
K291367		7.0	2.76	18.05	0.10	2.9	0.069	2.75	19.9	75.4	0.52	652	0.96	0.51	9.2	6.6
K291368		6.9	2.95	18.90	0.09	2.9	0.084	2.85	22.0	73.0	0.50	692	1.14	0.72	9.9	7.2
K291369		6.8	3.74	17.95	0.09	2.5	0.069	2.10	27.3	58.7	0.87	799	0.73	1.55	8.7	9.2
K291376		120.5	5.69	16.00	0.11	1.4	0.979	3.16	25.8	27.4	0.77	2180	12.75	0.29	7.8	16.6
K291370		6.9	4.16	17.65	0.10	2.3	0.100	1.76	28.2	31.3	1.18	830	0.55	2.20	8.2	9.8
K291371		7.3	4.28	17.15	0.11	2.1	0.087	1.80	28.4	30.0	1.15	878	0.47	1.99	7.5	9.4
K291372		5.2	4.27	16.70	0.09	2.3	0.080	1.71	25.7	25.2	1.35	911	0.44	2.39	8.1	11.4
K291373		7.3	4.51	17.40	0.10	2.2	0.072	1.94	29.5	27.0	1.29	918	0.49	2.25	8.3	10.7
K291375		2.4	0.50	0.23	<0.05	<0.1	0.006	0.02	0.6	1.2	13.50	221	0.09	0.01	0.2	1.4
K291377		210	9.06	26.6	0.14	0.7	0.081	1.00	38.5	25.8	1.43	116	4.97	0.14	3.0	0.9
K291378		250	11.25	26.0	0.14	0.7	0.101	1.06	33.3	16.7	1.15	135	7.60	0.13	2.8	1.2
S047967		344	6.50	9.95	0.09	1.4	0.094	2.43	19.1	8.9	0.26	152	1.03	0.03	5.5	0.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
K291361		590	35.2	70.7	<0.002	<0.01	95.9	14.0	1	6.7	134.5	0.65	<0.05	8.34	0.386	2.12
K291365		580	19.7	104.0	<0.002	0.02	13.15	18.4	1	3.3	402	0.62	0.06	11.85	0.380	1.74
K291366		620	21.2	89.1	<0.002	0.01	14.10	13.0	1	2.6	290	0.73	<0.05	10.05	0.350	1.78
K291367		640	23.3	84.8	<0.002	0.03	25.2	7.3	1	1.8	348	0.70	<0.05	8.36	0.283	1.76
K291368		720	23.6	93.8	<0.002	0.03	22.3	8.0	1	1.8	301	0.74	<0.05	9.07	0.305	1.77
K291369		720	73.6	93.2	<0.002	0.01	13.50	11.5	1	1.7	269	0.63	0.07	10.65	0.368	1.33
K291376		540	1460	171.5	0.002	3.46	38.7	9.2	1	6.2	165.5	0.60	0.39	13.25	0.232	2.64
K291370		700	84.3	84.3	<0.002	0.01	9.41	13.6	1	1.7	333	0.58	0.05	10.30	0.402	1.11
K291371		730	94.0	90.7	<0.002	0.01	9.84	13.2	1	1.7	331	0.53	0.14	9.05	0.394	1.13
K291372		690	84.2	77.1	<0.002	<0.01	7.70	14.4	1	1.7	313	0.59	<0.05	10.65	0.411	1.03
K291373		770	66.7	98.1	<0.002	<0.01	7.75	14.0	1	1.7	342	0.59	0.05	9.60	0.442	1.15
K291375		170	1.7	1.0	<0.002	<0.01	0.09	0.2	1	<0.2	52.4	<0.05	<0.05	0.09	<0.005	<0.02
K291377		600	59.6	59.2	<0.002	0.35	9.82	8.3	8	6.4	52.5	0.21	11.20	4.72	0.181	1.19
K291378		940	91.0	62.6	<0.002	0.49	11.30	9.1	9	6.2	73.7	0.18	15.40	5.08	0.184	1.23
S047967		310	>10000	146.5	<0.002	0.42	191.0	4.0	<1	3.4	74.8	0.58	<0.05	30.2	0.086	1.36

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135096

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5	0.005
K291361		3.4	182	10.1	26.4	110	52.7	<0.005
K291365		2.9	131	1.9	20.8	70	72.2	<0.005
K291366		3.0	112	1.5	15.3	64	84.6	<0.005
K291367		3.3	74	1.2	11.0	74	96.4	<0.005
K291368		3.2	77	1.3	12.3	74	96.7	<0.005
K291369		2.8	104	1.6	15.5	170	79.9	0.010
K291376		5.4	65	5.4	12.6	3220	41.6	0.756
K291370		2.7	122	1.4	17.7	181	77.0	0.005
K291371		2.5	120	1.6	16.7	183	71.3	0.005
K291372		2.5	126	1.5	17.6	158	70.9	0.029
K291373		2.5	126	1.5	18.9	163	70.8	0.009
K291375		0.6	2	0.1	0.8	19	0.5	<0.005
K291377		1.5	116	2.1	6.6	43	14.7	1.360
K291378		2.2	124	2.0	7.5	64	17.6	2.20
S047967		8.7	25	1.1	4.4	895	40.8	3.41

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Project: Klaza

Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135096

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	CRU-31	CRU-QC
LOG-22	LOG-23	ME-MS61	ME-OG62
Pb-OG62	PUL-31	PUL-QC	SPL-21
WEI-21			

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VANCOUVER BC V6B 1L8

Finalized Date: 18-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135097

Project: Klaza

P.O. No.: Trench 87

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

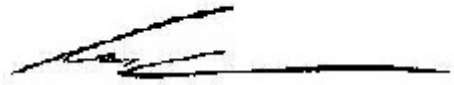
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135097

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S047989		11.60	0.99	7.98	34.2	1050	1.57	3.76	1.76	12.55	63.1	18.3	19	14.15	44.0	4.14
S047990		6.88	0.64	8.42	21.5	940	1.53	2.26	0.96	7.63	41.4	15.2	29	19.10	39.7	4.16
S047991		5.20	0.60	8.18	35.1	830	1.56	5.04	0.51	10.80	40.1	15.7	16	14.15	29.0	4.29
S047992		8.74	2.08	8.59	87.9	1450	1.84	4.23	1.36	6.90	65.8	19.9	13	13.50	194.0	3.91
S047993		6.12	5.50	7.70	447	1030	1.53	13.90	0.59	12.10	62.2	13.7	10	14.50	341	6.52
S047994		5.94	0.03	0.11	1.6	30	0.06	0.08	21.4	0.13	1.65	0.8	1	0.22	3.6	0.51
S047995		6.18	1.98	8.38	143.5	1230	1.27	5.65	1.39	8.26	58.9	12.1	12	14.25	173.0	4.53
S047998		0.34	26.3	6.01	3120	430	1.05	20.9	2.25	81.5	42.6	10.3	21	15.00	442	6.75
S051001		9.74	0.78	9.02	80.2	1040	1.16	1.35	0.26	3.05	61.1	3.8	6	8.16	28.8	4.27
S051002		10.08	1.85	8.96	155.0	1470	0.90	4.11	0.24	1.14	64.1	1.3	5	12.10	11.1	3.70
S051003		7.32	2.20	9.23	109.5	950	1.36	2.53	0.49	3.29	72.4	3.5	4	9.03	45.4	4.54
S051004		6.52	0.82	8.38	41.8	1270	1.49	1.43	0.82	5.64	69.6	9.0	11	9.83	42.2	2.89
S047997		6.74	0.87	9.09	87.9	760	1.53	1.42	0.20	5.13	58.8	8.7	5	6.61	27.0	3.55

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135097

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S047989		18.65	0.08	1.6	0.267	2.36	24.6	18.9	0.88	979	1.18	1.59	10.2	6.0	650	123.5
S047990		19.15	0.07	1.7	0.325	2.46	13.8	40.9	0.86	777	1.50	0.65	9.9	9.1	620	37.5
S047991		18.60	0.06	1.7	0.185	2.28	15.0	40.5	0.58	1040	1.19	0.37	10.7	5.9	670	36.2
S047992		18.45	0.08	1.6	0.957	2.43	30.1	29.0	1.21	941	1.95	1.30	10.9	3.4	680	61.8
S047993		17.70	0.08	1.6	0.525	2.57	43.0	17.7	0.88	498	1.92	0.51	9.3	3.0	670	42.2
S047994		0.31	0.05	<0.1	0.011	0.03	0.8	1.1	13.25	211	0.12	0.01	0.2	1.2	180	2.4
S047995		18.45	0.08	1.7	0.893	2.40	26.1	19.6	1.11	723	1.17	1.08	10.5	3.0	680	73.3
S047998		14.10	0.06	1.0	1.700	2.72	23.1	15.5	0.93	1920	13.30	0.04	6.2	14.8	450	2920
S051001		19.15	0.06	1.4	0.530	2.37	33.1	29.5	0.24	354	1.20	0.22	9.3	1.7	900	84.5
S051002		19.45	0.08	1.6	0.412	3.72	34.6	11.2	0.27	144	0.91	0.17	9.5	0.8	750	116.0
S051003		19.40	0.09	1.7	0.569	2.17	37.9	22.6	0.41	272	1.13	0.66	9.4	1.1	1130	317
S051004		17.50	0.08	2.0	0.520	2.36	36.4	16.9	0.61	957	1.83	1.75	9.4	3.9	660	82.1
S047997		18.30	0.07	1.4	0.232	1.62	30.7	44.3	0.17	586	0.90	0.13	9.5	1.7	880	122.5

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135097

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S047989		113.0	<0.002	0.03	5.68	15.3	1	3.1	292	0.72	0.10	11.95	0.369	2.25	2.8	108
S047990		109.5	<0.002	0.02	8.68	17.3	1	2.7	159.5	0.74	<0.05	11.05	0.396	2.26	2.6	123
S047991		124.5	<0.002	0.01	13.60	16.6	1	3.9	104.0	0.75	0.14	9.78	0.387	2.33	2.9	120
S047992		109.0	<0.002	0.08	6.22	16.8	1	3.0	261	0.76	0.11	12.75	0.399	2.21	2.6	110
S047993		148.5	<0.002	0.41	12.00	15.1	2	3.5	147.5	0.66	1.11	12.55	0.340	2.43	3.6	101
S047994		1.7	<0.002	<0.01	0.10	0.3	<1	<0.2	49.1	<0.05	<0.05	0.17	0.005	0.03	0.8	3
S047995		110.5	<0.002	0.17	8.04	15.0	1	3.2	251	0.76	0.14	12.65	0.388	2.14	3.0	111
S047998		160.5	<0.002	4.92	91.5	7.3	1	7.8	92.2	0.50	0.40	10.05	0.187	2.35	5.1	57
S051001		106.5	<0.002	0.16	27.3	9.5	1	2.4	70.8	0.64	0.05	12.55	0.313	2.08	3.1	72
S051002		168.5	<0.002	0.75	15.05	9.6	1	2.6	133.0	0.70	0.12	12.90	0.328	3.46	1.9	68
S051003		98.4	<0.002	0.31	14.20	10.2	1	2.7	154.0	0.68	0.10	14.95	0.314	1.92	3.0	68
S051004		87.5	<0.002	0.10	11.15	7.3	1	2.3	252	0.76	0.05	18.90	0.258	1.59	3.2	55
S047997		75.2	<0.002	0.05	36.6	9.7	1	2.0	60.0	0.66	<0.05	12.90	0.313	1.54	4.2	70

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135097

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
S047989		2.0	18.6	748	53.1	0.086
S047990		2.4	14.8	873	53.0	0.022
S047991		6.3	15.7	838	55.6	0.031
S047992		3.3	20.6	745	56.3	0.060
S047993		3.5	27.0	1250	55.5	0.175
S047994		0.1	0.9	25	0.9	<0.005
S047995		3.5	17.2	962	57.6	0.077
S047998		5.2	9.7	5530	27.4	2.27
S051001		7.1	15.4	670	55.5	0.092
S051002		4.8	10.9	302	56.3	0.097
S051003		3.7	15.0	630	62.3	0.142
S051004		2.3	19.6	636	69.1	0.039
S047997		9.5	16.6	552	49.4	0.026

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Project: Klaza

Finalized Date: 18-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135097

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	CRU-31	LOG-22	LOG-23
ME-MS61	PUL-31	PUL-QC	SPL-21
WEI-21			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE WH16135116

Project: Klaza

This report is for 193 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113501		0.22	0.14	6.64	14.5	820	1.36	0.19	1.78	0.24	54.8	12.5	57	5.62	24.7	3.32
ZZ113502		0.20	0.13	6.87	8.7	720	1.38	0.16	2.07	0.15	53.8	15.4	49	3.71	25.1	3.34
ZZ113503		0.20	0.19	6.56	13.3	700	1.27	0.20	1.93	0.14	58.7	16.8	59	3.33	22.7	3.66
ZZ113504		0.14	0.16	5.99	10.5	670	1.26	0.17	2.07	0.21	51.3	11.6	51	4.06	19.0	2.98
ZZ113505		0.20	0.16	7.02	142.0	740	1.53	0.18	2.15	0.31	62.6	12.7	49	9.33	17.4	3.26
ZZ113506		0.20	0.14	7.28	25.1	810	1.51	0.18	1.98	0.14	65.2	14.1	65	4.61	21.5	3.75
ZZ113507		0.20	0.19	6.73	160.5	640	1.11	0.18	1.58	0.34	43.2	11.3	54	9.53	20.6	3.63
ZZ113508		0.14	0.20	6.96	97.6	750	1.42	0.19	2.35	0.25	74.9	14.9	65	6.20	15.0	3.98
ZZ113509		0.28	0.22	7.34	42.2	810	1.76	0.18	2.21	0.15	60.6	11.4	54	9.31	16.2	3.41
ZZ113510		0.26	0.70	8.69	688	910	2.08	0.27	1.22	0.36	67.8	12.1	36	25.2	24.6	3.70
ZZ113511		0.34	0.56	8.37	323	1130	1.92	0.29	1.14	0.14	71.6	12.2	34	23.4	25.8	4.05
ZZ113512		0.22	0.14	7.66	24.8	870	2.12	0.22	2.14	0.15	70.7	12.5	61	12.40	18.1	3.68
ZZ113513		0.24	0.14	7.16	21.8	820	1.61	0.19	2.12	0.22	63.9	12.7	59	5.48	18.3	3.39
ZZ113514		0.18	0.11	7.04	20.1	800	1.29	0.19	1.96	0.16	52.9	11.4	53	11.80	15.9	3.36
ZZ113515		0.20	0.10	7.19	20.3	840	1.32	0.19	2.05	0.22	46.1	11.5	53	6.97	14.4	3.42
ZZ113516		0.24	0.13	7.02	72.4	950	1.35	0.19	1.98	0.18	53.0	12.8	50	7.54	17.1	3.25
ZZ113517		0.26	0.20	6.95	17.4	880	1.53	0.18	1.82	0.15	59.7	10.1	59	4.55	15.2	2.51
ZZ113518		0.18	0.12	6.87	19.7	900	1.34	0.16	2.04	0.13	50.5	10.2	53	4.13	15.8	2.85
ZZ113519		0.26	0.07	7.33	34.2	900	1.56	0.19	1.98	0.29	68.3	10.9	56	4.72	14.6	3.23
ZZ113520		0.16	0.56	7.31	27.6	880	1.55	0.23	1.87	0.31	50.7	10.5	51	7.77	21.7	3.19
ZZ113521		0.18	0.25	6.81	20.1	930	1.55	0.13	2.08	0.28	65.9	10.5	52	4.22	11.6	3.07
ZZ113522		0.12	1.36	7.42	46.1	830	1.47	0.17	1.85	0.81	53.6	10.2	48	10.10	21.7	3.15
ZZ113523		0.20	10.95	7.67	1900	800	1.39	10.70	1.40	3.46	59.4	28.5	50	8.89	49.5	4.73
ZZ113524		0.22	6.72	7.12	869	740	1.38	4.97	1.45	2.84	49.2	15.1	62	6.87	37.4	4.28
ZZ113525		0.20	5.86	8.29	401	850	1.98	1.47	1.09	8.96	54.3	10.6	34	7.10	35.0	3.42
ZZ113526		0.28	3.07	7.56	171.0	770	1.59	0.76	2.10	1.44	55.2	15.9	54	5.99	22.8	4.11
ZZ113527		0.24	0.44	6.63	72.9	820	1.19	0.67	1.59	0.57	46.3	10.5	61	3.93	12.7	4.00
ZZ113528		0.20	0.64	6.84	335	790	1.48	0.66	1.75	0.64	56.3	12.3	54	2.47	18.1	3.47
ZZ113529		0.24	1.08	7.19	285	850	1.35	4.15	1.74	0.97	58.8	12.2	65	3.79	29.2	3.88
ZZ113530		0.22	3.68	7.61	69.0	790	1.42	1.86	2.05	2.50	82.5	16.8	64	4.06	156.5	4.35
ZZ113531		0.20	1.77	6.62	21.5	840	1.41	1.33	1.73	0.63	51.3	8.4	53	2.66	86.6	3.65
ZZ113532		0.36	0.63	7.79	371	930	1.64	0.73	1.71	0.64	53.3	11.9	61	7.00	24.9	3.66
ZZ113533		0.22	2.96	7.19	111.5	770	1.52	2.11	1.70	2.55	54.2	14.1	47	4.11	159.0	3.33
ZZ113534		0.28	0.71	7.01	97.7	860	1.34	0.68	2.05	0.46	56.4	9.0	53	2.95	19.2	2.67
ZZ113535		0.22	0.79	6.67	74.6	1050	1.50	0.16	2.61	1.73	50.9	14.6	50	4.95	34.1	3.64
ZZ113536		0.24	0.96	7.17	58.2	1020	1.39	0.15	2.69	0.76	51.6	15.5	46	5.77	24.8	3.86
ZZ113537		0.20	1.52	6.92	185.0	860	1.33	0.14	2.38	1.03	41.5	10.6	38	6.27	28.2	3.22
ZZ113538		0.28	0.26	6.83	54.0	920	1.30	0.14	2.45	0.45	50.0	16.9	43	5.30	20.7	3.98
ZZ113539		0.26	1.14	6.77	52.1	840	1.64	0.18	2.06	1.73	51.6	8.2	45	4.65	28.9	2.86
ZZ113540		0.32	0.79	7.28	48.3	910	1.39	0.17	2.16	0.60	55.6	10.5	49	8.84	20.3	3.28

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	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113501		15.80	0.13	1.9	0.041	1.23	27.8	20.2	0.88	823	1.13	1.49	8.3	19.6	1510	13.4
ZZ113502		17.55	0.16	2.1	0.046	1.27	26.0	18.3	0.98	888	1.35	1.78	8.5	17.8	1290	13.5
ZZ113503		16.35	0.14	1.9	0.051	1.13	27.2	18.0	0.99	1040	1.24	1.64	9.3	20.4	1140	13.1
ZZ113504		15.20	0.15	1.8	0.045	1.09	25.7	15.6	0.89	743	1.27	1.56	8.6	17.6	1270	12.6
ZZ113505		16.55	0.15	1.8	0.047	1.41	32.1	18.0	0.93	979	0.87	1.66	9.3	16.9	940	17.3
ZZ113506		18.05	0.15	1.8	0.051	1.38	32.1	20.7	1.02	760	1.10	1.82	11.3	21.5	820	15.0
ZZ113507		17.45	0.11	1.8	0.050	1.17	21.2	18.6	0.84	591	1.80	1.45	8.9	17.2	800	14.5
ZZ113508		18.70	0.18	2.1	0.060	1.34	36.5	18.5	1.07	852	1.26	1.84	12.4	20.1	770	22.0
ZZ113509		17.25	0.15	1.7	0.053	1.53	30.7	18.3	0.96	660	1.00	1.82	9.6	16.3	650	14.4
ZZ113510		21.9	0.16	3.8	0.046	2.76	36.7	29.7	0.51	1170	1.20	0.69	11.8	13.8	1310	24.0
ZZ113511		20.7	0.18	3.6	0.056	2.63	38.0	53.2	0.51	537	1.93	0.74	11.5	13.3	1120	22.2
ZZ113512		18.10	0.17	2.2	0.053	1.47	35.4	21.1	1.06	753	0.93	1.84	11.2	19.0	520	16.6
ZZ113513		17.30	0.16	1.9	0.049	1.44	31.8	20.1	0.97	727	0.85	1.83	11.7	18.7	810	15.0
ZZ113514		17.60	0.17	1.8	0.045	1.38	26.6	18.9	0.97	548	0.91	1.79	9.5	18.5	480	13.1
ZZ113515		18.10	0.15	1.7	0.046	1.40	23.1	21.6	1.02	518	0.95	1.85	9.0	19.0	410	12.9
ZZ113516		18.20	0.19	1.9	0.043	1.33	26.8	21.3	0.91	1010	1.16	1.77	9.3	18.0	1070	14.6
ZZ113517		16.85	0.17	1.8	0.045	1.38	29.4	20.2	0.87	484	0.64	1.80	10.9	17.2	950	16.6
ZZ113518		17.75	0.17	2.1	0.046	1.39	26.2	19.3	0.89	531	0.92	1.87	8.9	17.5	820	12.1
ZZ113519		17.70	0.16	2.1	0.048	1.50	33.0	21.5	0.89	639	0.64	1.91	11.8	18.9	730	15.3
ZZ113520		19.45	0.16	2.3	0.047	1.56	25.9	21.5	0.89	630	1.23	1.86	9.0	17.4	1060	25.8
ZZ113521		16.80	0.15	1.6	0.046	1.57	33.2	16.7	0.86	747	0.69	1.98	10.0	15.6	730	26.4
ZZ113522		18.25	0.17	2.2	0.046	1.55	28.3	21.1	0.89	693	0.98	1.68	8.6	16.2	1060	33.7
ZZ113523		18.60	0.17	2.7	0.188	2.10	29.4	17.5	0.82	1050	2.02	1.14	6.9	18.5	1250	419
ZZ113524		18.45	0.17	2.1	0.202	1.44	25.2	20.1	0.92	833	1.81	1.40	9.1	19.5	1350	119.5
ZZ113525		19.65	0.18	1.9	0.245	1.89	33.5	18.7	0.85	1560	1.53	0.89	7.9	13.2	1230	467
ZZ113526		18.85	0.14	2.0	0.124	1.36	28.5	17.7	1.13	817	1.18	1.60	8.6	18.5	1090	119.0
ZZ113527		19.95	0.14	1.9	0.055	1.45	23.4	23.1	0.87	574	1.39	1.72	11.1	16.5	550	38.6
ZZ113528		16.80	0.17	1.8	0.054	1.34	26.7	19.4	0.91	499	0.94	1.77	9.7	19.8	370	32.5
ZZ113529		18.75	0.16	1.9	0.067	1.48	29.2	20.7	0.95	647	1.35	1.77	10.8	18.5	400	26.8
ZZ113530		18.20	0.17	2.4	0.084	1.49	39.1	19.6	1.20	1120	9.25	1.69	11.4	23.4	1050	152.0
ZZ113531		17.10	0.17	1.5	0.065	1.55	26.1	16.9	0.88	499	30.1	1.80	10.9	16.8	500	46.9
ZZ113532		18.50	0.16	1.7	0.069	1.67	26.6	24.5	0.96	593	1.57	1.78	9.5	22.4	530	27.5
ZZ113533		17.20	0.18	2.4	0.074	1.45	27.7	21.2	0.95	1040	11.40	1.65	8.4	18.0	1110	73.2
ZZ113534		17.60	0.16	2.1	0.049	1.51	28.4	15.0	0.90	523	1.32	2.00	10.4	14.6	590	35.8
ZZ113535		16.15	0.13	1.4	0.049	1.29	25.2	20.6	1.25	688	1.74	1.69	8.9	24.4	1200	63.2
ZZ113536		17.50	0.13	1.4	0.055	1.40	26.1	23.0	1.42	906	1.32	1.87	9.8	18.4	890	45.2
ZZ113537		16.00	0.14	1.4	0.050	1.40	21.9	22.2	1.04	798	1.12	1.66	7.6	13.9	870	64.6
ZZ113538		15.90	0.16	1.2	0.056	1.32	24.5	20.7	1.44	1090	1.05	1.83	8.7	16.4	920	39.8
ZZ113539		15.55	0.14	1.3	0.050	1.43	27.2	26.5	0.90	412	0.65	1.79	8.8	16.4	700	109.5
ZZ113540		16.80	0.16	1.5	0.057	1.42	30.1	25.7	1.09	511	0.92	1.66	8.5	14.5	820	84.3

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113501		55.9	<0.002	0.10	1.22	13.1	2	1.3	278	0.60	0.07	6.84	0.377	0.48	2.5	105
ZZ113502		49.0	<0.002	0.08	1.04	12.2	1	1.2	385	0.59	<0.05	6.31	0.418	0.40	2.2	106
ZZ113503		46.2	<0.002	0.09	1.09	13.2	2	1.3	336	0.65	<0.05	6.40	0.429	0.45	2.3	104
ZZ113504		44.9	<0.002	0.10	1.39	12.1	1	1.3	347	0.61	<0.05	5.60	0.399	0.37	2.2	99
ZZ113505		63.5	<0.002	0.05	87.7	13.4	2	1.4	331	0.71	<0.05	7.31	0.394	0.80	2.3	102
ZZ113506		55.4	<0.002	0.04	2.34	13.7	2	1.6	340	0.83	0.09	9.10	0.463	0.44	2.6	113
ZZ113507		51.8	<0.002	0.06	7.15	12.4	1	1.4	290	0.62	0.07	5.29	0.444	0.73	1.9	121
ZZ113508		55.5	<0.002	0.04	137.0	14.7	2	1.7	365	0.89	0.06	10.10	0.562	0.62	2.6	127
ZZ113509		66.3	<0.002	0.06	29.9	14.0	1	1.5	356	0.72	0.07	7.55	0.416	1.22	2.2	107
ZZ113510		138.5	<0.002	0.02	50.2	11.9	1	1.5	151.0	0.87	0.05	10.30	0.420	2.64	3.9	102
ZZ113511		138.0	<0.002	0.28	64.5	13.8	1	1.5	256	0.86	0.08	10.75	0.436	3.45	3.8	110
ZZ113512		61.7	<0.002	0.03	9.61	14.5	1	1.5	347	0.83	0.06	8.82	0.478	0.56	2.7	112
ZZ113513		57.0	<0.002	0.02	4.11	13.2	1	1.5	349	0.86	0.08	8.23	0.463	0.50	2.3	103
ZZ113514		58.2	<0.002	0.03	2.90	12.7	1	1.5	359	0.67	0.06	6.15	0.441	0.60	1.9	110
ZZ113515		57.4	<0.002	0.02	2.66	12.4	1	1.4	384	0.64	0.07	5.43	0.421	0.56	1.7	107
ZZ113516		54.2	<0.002	0.05	1.97	12.2	1	1.5	336	0.67	<0.05	6.79	0.392	0.69	2.1	99
ZZ113517		54.7	<0.002	0.04	2.22	13.0	2	1.6	311	0.81	<0.05	8.29	0.418	0.57	2.7	92
ZZ113518		55.1	<0.002	0.05	1.85	12.2	1	1.4	360	0.65	0.05	6.30	0.392	0.46	2.0	95
ZZ113519		60.7	<0.002	0.02	3.16	12.6	1	1.5	335	0.97	<0.05	8.71	0.434	0.56	2.4	100
ZZ113520		66.8	<0.002	0.05	2.20	12.0	1	1.5	363	0.66	0.08	6.81	0.383	0.65	2.4	104
ZZ113521		59.2	<0.002	0.02	2.46	11.7	1	1.5	363	0.75	0.05	7.77	0.418	0.50	2.0	91
ZZ113522		63.6	<0.002	0.05	5.98	12.7	1	1.4	338	0.78	<0.05	7.10	0.356	0.76	2.5	100
ZZ113523		103.5	<0.002	0.44	12.25	14.0	3	4.1	245	0.51	1.03	9.06	0.297	2.27	4.1	109
ZZ113524		69.1	<0.002	0.13	6.94	13.5	2	2.2	251	0.68	0.22	7.40	0.396	1.58	3.0	116
ZZ113525		89.5	<0.002	0.10	13.00	9.7	1	1.8	190.0	0.64	0.06	8.50	0.274	1.46	4.1	73
ZZ113526		56.9	<0.002	0.05	4.85	13.0	1	1.7	384	0.61	<0.05	7.09	0.470	0.89	2.7	121
ZZ113527		67.4	<0.002	0.02	1.69	11.7	1	1.9	294	0.78	<0.05	5.60	0.482	0.65	2.0	127
ZZ113528		49.2	<0.002	0.02	1.42	11.4	1	1.8	324	0.71	0.27	7.57	0.406	0.61	2.0	99
ZZ113529		68.4	<0.002	0.03	1.68	12.4	1	2.0	313	0.81	0.78	7.49	0.477	0.80	2.2	119
ZZ113530		68.8	<0.002	0.03	2.79	14.6	1	2.3	334	0.85	0.18	11.00	0.519	1.16	3.5	121
ZZ113531		62.9	<0.002	0.06	1.28	11.2	1	1.8	321	0.83	0.08	6.60	0.405	0.73	2.0	93
ZZ113532		72.9	<0.002	0.05	5.02	12.9	1	2.1	318	0.71	0.19	7.23	0.371	0.99	2.0	104
ZZ113533		63.9	<0.002	0.06	2.30	11.4	1	1.9	325	0.65	0.51	7.72	0.354	1.05	3.2	92
ZZ113534		58.0	<0.002	0.01	3.44	12.1	2	1.8	367	0.78	0.08	6.62	0.440	0.73	2.2	90
ZZ113535		59.0	<0.002	0.09	6.22	18.3	1	1.2	430	0.56	<0.05	7.19	0.457	0.64	2.6	161
ZZ113536		68.2	<0.002	0.03	3.64	17.8	1	1.3	468	0.60	<0.05	7.75	0.504	0.54	2.0	135
ZZ113537		66.9	0.002	0.07	4.47	14.6	<1	1.1	415	0.49	<0.05	6.13	0.420	0.82	1.8	112
ZZ113538		62.7	<0.002	0.03	1.56	15.1	1	1.3	395	0.58	<0.05	7.02	0.457	0.52	1.8	123
ZZ113539		61.7	<0.002	0.04	2.00	14.5	1	1.3	348	0.59	<0.05	7.08	0.361	0.54	3.1	95
ZZ113540		59.6	<0.002	0.05	3.32	17.9	1	1.3	357	0.58	<0.05	7.22	0.428	0.71	3.0	128

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113501		1.0	18.9	67	62.6	<0.005
ZZ113502		0.8	15.3	64	71.9	<0.005
ZZ113503		0.8	16.5	60	60.4	<0.005
ZZ113504		0.8	16.7	58	66.8	0.006
ZZ113505		0.8	19.8	73	57.2	0.008
ZZ113506		1.0	17.9	68	58.5	0.008
ZZ113507		0.9	12.4	76	57.6	0.007
ZZ113508		0.9	18.8	82	66.3	0.019
ZZ113509		1.0	20.9	63	56.9	0.019
ZZ113510		3.5	17.8	137	141.5	0.024
ZZ113511		2.0	19.1	85	140.0	0.017
ZZ113512		1.0	19.4	67	68.8	0.012
ZZ113513		1.8	18.2	69	59.5	0.015
ZZ113514		0.8	15.1	63	58.6	0.010
ZZ113515		1.3	13.6	64	55.3	0.005
ZZ113516		0.8	15.3	70	79.0	<0.005
ZZ113517		0.9	17.2	57	60.4	0.006
ZZ113518		0.9	15.6	60	67.0	<0.005
ZZ113519		1.1	19.3	67	67.6	0.005
ZZ113520		1.0	16.0	81	77.6	<0.005
ZZ113521		1.2	17.4	78	48.8	0.009
ZZ113522		1.0	17.8	143	77.0	<0.005
ZZ113523		1.3	20.2	422	94.7	0.087
ZZ113524		1.2	14.3	483	69.8	0.052
ZZ113525		1.0	20.9	1380	61.5	0.034
ZZ113526		1.0	16.8	198	69.1	0.022
ZZ113527		1.2	12.5	108	59.8	<0.005
ZZ113528		1.8	14.0	93	57.3	0.009
ZZ113529		1.4	15.0	110	60.9	0.020
ZZ113530		1.9	20.8	293	76.4	0.114
ZZ113531		1.3	13.7	146	44.7	0.016
ZZ113532		2.1	14.8	107	53.3	0.017
ZZ113533		1.4	16.3	223	80.4	0.034
ZZ113534		1.0	15.8	84	64.9	0.012
ZZ113535		1.1	18.6	165	38.4	0.026
ZZ113536		1.0	17.3	136	40.6	0.011
ZZ113537		3.1	15.0	224	45.5	0.038
ZZ113538		1.1	16.0	130	35.8	0.006
ZZ113539		1.0	21.2	242	38.1	0.012
ZZ113540		1.3	18.2	164	43.3	0.012

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113541		0.34	3.67	7.65	160.5	960	1.64	0.20	2.21	5.53	61.6	17.0	56	10.15	36.8	4.34
ZZ113542		0.30	1.06	6.94	45.6	880	1.51	0.16	2.15	0.48	44.3	11.1	47	6.31	25.0	3.18
ZZ113543		0.34	0.50	6.68	37.2	880	1.35	0.15	2.26	1.23	54.8	9.3	37	3.35	13.2	2.82
ZZ113561		0.26	0.09	6.96	9.2	800	1.66	0.18	2.35	0.19	87.9	13.1	58	5.62	26.6	3.63
ZZ113562		0.22	0.08	6.51	10.0	780	1.46	0.19	1.73	0.16	58.7	10.9	56	2.90	28.8	3.22
ZZ113563		0.24	0.09	6.60	9.7	780	1.44	0.26	2.16	0.27	70.9	11.7	61	2.79	18.5	3.83
ZZ113564		0.20	0.12	6.25	10.9	750	1.24	0.20	1.66	0.23	48.4	9.2	56	2.96	14.0	3.23
ZZ113565		0.22	0.13	7.24	14.2	930	1.74	0.22	1.75	0.14	62.7	11.4	58	8.14	21.9	3.42
ZZ113566		0.24	0.07	6.65	45.5	840	1.46	0.12	2.12	0.13	70.7	8.8	52	5.41	11.0	2.90
ZZ113567		0.30	0.05	6.72	14.1	830	1.40	0.16	2.04	0.14	63.0	10.6	55	6.37	12.3	3.10
ZZ113568		0.18	0.10	6.83	14.4	810	1.46	0.21	1.67	0.26	51.9	10.6	63	4.17	19.7	3.47
ZZ113569		0.22	0.25	7.07	55.7	730	1.15	0.17	1.91	0.19	52.2	11.7	47	8.61	21.4	3.41
ZZ113570		0.42	1.01	7.11	32.1	910	1.71	0.13	1.92	0.28	69.9	9.2	43	10.50	15.8	3.14
ZZ113571		0.24	0.09	6.67	20.1	780	1.39	0.14	2.18	0.22	57.3	10.4	47	4.86	13.1	3.05
ZZ113572		0.34	0.56	6.84	79.6	820	1.43	0.19	1.84	0.33	68.6	9.9	53	8.54	16.3	3.05
ZZ113573		0.28	0.35	6.99	36.7	840	1.63	0.22	1.76	0.45	65.8	9.5	55	8.00	13.3	3.19
ZZ113574		0.28	0.23	6.43	30.2	870	1.49	0.18	2.18	0.66	78.5	8.5	48	6.35	8.6	2.88
ZZ113575		0.34	0.28	6.46	28.1	810	1.32	0.19	1.93	0.43	65.1	8.9	53	5.03	12.9	2.98
ZZ113576		0.32	0.52	7.05	32.4	800	1.46	0.25	1.89	0.42	55.0	10.7	49	6.56	20.4	3.34
ZZ113577		0.20	0.27	6.58	30.5	800	1.23	0.25	1.48	0.21	48.3	8.1	57	7.25	15.9	3.61
ZZ113578		0.30	0.32	6.71	10.4	820	1.46	0.18	1.72	0.27	53.5	8.9	52	2.21	13.7	2.98
ZZ113579		0.20	1.11	6.98	196.0	790	1.29	0.58	1.54	0.53	54.5	11.1	53	11.35	29.0	3.61
ZZ113580		0.28	3.72	6.68	561	670	1.28	2.72	2.05	1.62	68.1	18.4	55	5.07	45.4	3.78
ZZ113581		0.40	1.47	8.30	273	720	1.40	3.43	1.45	2.19	64.6	10.4	37	6.18	40.7	3.92
ZZ113582		0.32	1.12	6.77	206	770	1.24	0.50	2.15	1.48	87.6	13.1	66	2.12	14.5	3.63
ZZ113583		0.24	2.76	6.55	425	750	1.17	1.44	1.83	1.15	75.1	10.6	65	2.88	23.8	4.09
ZZ113584		0.20	2.11	6.27	147.5	680	1.13	5.34	1.44	1.21	58.0	11.1	57	2.92	39.4	3.74
ZZ113585		0.30	1.20	9.03	870	1070	1.93	0.95	0.94	3.21	72.3	11.6	21	7.62	640	4.05
ZZ113586		0.28	1.59	7.07	19.4	680	1.32	0.30	2.12	5.05	109.0	14.1	60	4.26	194.5	4.44
ZZ113587		0.24	0.49	6.89	24.1	860	1.27	0.26	1.54	0.45	46.9	9.4	59	4.11	40.0	3.59
ZZ113588		0.24	0.28	6.61	57.5	830	1.28	0.24	1.90	0.52	55.7	9.9	52	2.95	92.5	3.69
ZZ113589		0.26	2.54	6.74	31.9	740	1.29	0.85	1.81	1.09	56.8	11.5	56	4.27	139.0	3.28
ZZ113590		0.26	2.88	6.97	13.0	840	1.49	1.15	1.76	0.72	51.1	10.0	53	3.50	111.0	2.83
ZZ113591		0.30	0.59	6.53	23.9	840	1.22	0.64	1.63	0.68	49.1	7.8	57	3.11	35.5	3.62
ZZ113592		0.20	0.44	6.46	107.0	810	1.29	0.46	1.67	0.76	48.0	7.2	54	2.39	14.7	2.92
ZZ113593		0.22	0.52	7.14	234	900	1.34	1.06	1.65	0.72	47.9	9.1	54	3.89	18.4	3.30
ZZ113594		0.18	1.83	6.52	317	830	1.19	0.62	1.59	0.85	43.9	7.8	57	4.54	15.0	3.23
ZZ113595		0.18	0.41	6.82	183.5	820	1.21	0.48	1.70	0.68	47.2	9.3	61	4.07	12.6	4.16
ZZ113596		0.22	0.64	6.75	154.0	790	1.20	0.53	1.59	0.54	43.0	8.0	56	4.14	13.1	3.35
ZZ113597		0.28	0.79	7.02	207	850	1.32	0.91	2.10	0.87	55.0	10.6	50	5.25	12.2	3.29

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113541		18.70	0.16	1.8	0.091	1.51	31.4	25.7	1.30	851	1.56	1.57	9.0	15.8	1180	298
ZZ113542		16.85	0.16	1.5	0.046	1.49	23.6	23.6	1.11	873	1.11	1.73	8.4	15.6	820	64.2
ZZ113543		15.65	0.17	1.3	0.046	1.50	27.3	15.3	0.85	998	0.93	2.04	8.6	11.4	610	161.0
ZZ113561		16.20	0.21	2.4	0.050	1.31	45.0	18.8	1.05	942	0.87	1.79	11.2	19.3	900	18.6
ZZ113562		16.35	0.16	1.6	0.044	1.36	28.4	22.4	0.85	778	1.01	1.72	10.6	19.5	940	17.8
ZZ113563		16.90	0.17	2.3	0.039	1.23	33.6	21.8	1.02	639	1.05	1.77	11.9	21.0	640	17.9
ZZ113564		15.80	0.14	1.6	0.051	1.33	24.3	23.6	0.86	522	1.01	1.66	10.0	18.0	670	15.6
ZZ113565		17.65	0.15	1.9	0.059	1.43	28.7	25.4	0.94	711	0.94	1.64	10.4	21.5	640	17.4
ZZ113566		14.75	0.16	1.7	0.047	1.46	36.9	16.8	0.85	659	0.60	1.90	11.7	15.5	660	13.1
ZZ113567		16.45	0.14	2.0	0.046	1.45	30.9	19.7	0.90	662	0.84	1.89	10.9	17.2	530	14.3
ZZ113568		17.80	0.16	1.7	0.052	1.30	26.5	26.3	0.88	516	1.11	1.68	10.5	20.1	390	15.0
ZZ113569		16.80	0.16	2.0	0.046	1.30	27.3	20.5	0.95	732	1.04	1.66	8.6	17.3	1030	19.1
ZZ113570		15.85	0.15	1.9	0.052	1.81	34.6	15.3	0.70	953	0.72	1.72	11.0	12.7	610	42.5
ZZ113571		16.60	0.17	1.6	0.050	1.40	27.9	18.1	0.93	634	0.83	1.91	10.9	16.6	690	16.5
ZZ113572		15.70	0.16	1.7	0.052	1.38	35.3	19.4	0.84	711	0.80	1.58	9.2	17.0	1020	22.4
ZZ113573		16.40	0.18	2.0	0.053	1.49	32.6	21.1	0.83	648	1.01	1.75	10.8	17.2	610	41.2
ZZ113574		15.20	0.19	1.6	0.053	1.56	40.3	14.7	0.80	807	0.67	1.95	11.6	13.4	800	22.2
ZZ113575		15.35	0.18	1.7	0.048	1.47	33.7	16.7	0.83	608	0.78	1.81	10.6	15.8	850	27.3
ZZ113576		17.35	0.15	2.1	0.046	1.52	28.3	20.3	0.90	684	1.08	1.78	8.8	16.2	900	26.2
ZZ113577		19.05	0.16	1.8	0.049	1.40	25.4	20.5	0.76	582	1.30	1.57	10.4	14.2	520	26.5
ZZ113578		15.40	0.17	1.2	0.046	1.38	27.9	24.5	0.79	494	0.78	1.82	9.7	17.1	400	21.9
ZZ113579		17.40	0.17	2.1	0.056	1.42	28.0	23.1	0.87	766	1.19	1.41	8.5	17.6	1230	53.9
ZZ113580		15.20	0.18	2.2	0.138	1.36	35.5	17.5	0.97	1100	2.62	1.65	10.0	28.8	1080	132.0
ZZ113581		16.75	0.16	2.5	0.147	1.51	35.3	22.9	0.99	744	0.73	1.09	8.9	12.3	760	51.1
ZZ113582		14.65	0.16	1.8	0.072	1.35	43.0	17.3	1.01	761	0.73	1.86	12.7	20.8	360	47.5
ZZ113583		16.70	0.16	1.9	0.060	1.31	37.4	24.5	0.97	587	1.12	1.69	11.9	19.6	350	61.9
ZZ113584		14.35	0.14	1.8	0.098	1.13	28.8	22.3	0.86	528	1.26	1.40	9.2	19.8	560	56.7
ZZ113585		24.4	0.18	2.2	0.138	1.70	39.1	16.4	0.45	1420	1.71	0.90	13.0	6.9	1040	73.9
ZZ113586		15.25	0.16	2.8	0.118	1.42	54.4	15.5	1.27	1220	7.30	1.45	15.5	16.1	800	265
ZZ113587		17.25	0.13	1.8	0.053	1.33	24.2	23.6	0.88	441	2.45	1.67	10.3	17.5	310	20.9
ZZ113588		17.65	0.16	1.7	0.043	1.28	28.5	16.6	0.91	657	5.19	1.76	9.7	20.3	480	19.3
ZZ113589		15.50	0.13	1.7	0.063	1.38	29.3	16.6	0.95	634	38.0	1.59	10.3	17.5	1150	46.8
ZZ113590		16.70	0.13	1.5	0.064	1.52	25.9	17.3	0.94	513	23.9	1.78	10.0	15.9	1110	46.0
ZZ113591		20.2	0.14	2.1	0.045	1.38	25.1	18.0	0.80	468	2.65	1.72	11.2	12.3	280	24.4
ZZ113592		16.45	0.16	1.7	0.044	1.39	24.5	19.2	0.75	418	1.08	1.76	10.5	12.5	250	20.1
ZZ113593		20.9	0.16	2.0	0.051	1.57	24.6	18.7	0.82	513	1.49	1.85	11.3	13.2	330	26.1
ZZ113594		18.35	0.15	1.8	0.049	1.42	22.6	18.4	0.80	490	1.20	1.70	10.3	13.0	590	30.4
ZZ113595		19.00	0.13	1.6	0.052	1.42	24.1	20.0	0.94	536	1.35	1.74	10.6	14.7	530	27.1
ZZ113596		18.70	0.14	1.7	0.051	1.38	22.2	19.9	0.83	457	1.14	1.68	10.6	13.0	410	34.2
ZZ113597		17.05	0.13	2.1	0.058	1.52	28.8	14.3	0.98	711	1.06	1.87	10.4	13.3	360	67.0

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C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113541		72.2	<0.002	0.02	7.78	22.7	1	1.4	414	0.57	<0.05	7.88	0.503	0.92	2.8	160
ZZ113542		66.8	<0.002	0.03	3.44	15.1	1	1.2	389	0.57	<0.05	7.04	0.398	0.76	1.9	109
ZZ113543		59.7	<0.002	0.01	2.59	11.4	<1	1.2	411	0.62	<0.05	7.02	0.377	0.50	1.6	93
ZZ113561		58.4	<0.002	0.04	1.15	14.4	1	1.4	374	0.78	0.07	11.85	0.520	0.40	3.2	109
ZZ113562		57.4	<0.002	0.05	0.81	11.3	<1	1.4	301	0.73	<0.05	7.16	0.402	0.39	2.0	96
ZZ113563		51.7	<0.002	0.03	0.91	13.5	1	1.5	345	0.82	<0.05	9.22	0.507	0.35	2.6	117
ZZ113564		59.3	<0.002	0.04	0.74	11.4	<1	1.4	284	0.69	<0.05	6.41	0.400	0.39	1.9	98
ZZ113565		68.7	<0.002	0.03	1.26	14.1	1	1.5	286	0.70	<0.05	8.26	0.396	0.53	2.4	108
ZZ113566		59.1	<0.002	0.01	1.47	12.4	1	1.3	341	0.84	0.05	10.00	0.434	0.49	2.2	91
ZZ113567		62.9	<0.002	0.02	1.21	12.8	1	1.5	336	0.78	<0.05	8.55	0.439	0.46	2.5	102
ZZ113568		57.7	<0.002	0.01	1.03	12.5	1	1.5	290	0.71	<0.05	6.72	0.462	0.49	2.1	120
ZZ113569		60.3	<0.002	0.06	4.33	12.9	<1	1.3	358	0.63	0.05	7.22	0.413	0.92	2.1	111
ZZ113570		71.0	<0.002	0.01	5.40	11.6	1	1.3	316	0.80	<0.05	9.86	0.405	0.89	2.5	89
ZZ113571		56.3	<0.002	0.02	1.66	11.7	<1	1.2	399	0.68	<0.05	7.12	0.386	0.44	1.9	92
ZZ113572		66.5	<0.002	0.05	3.67	13.1	1	1.4	294	0.64	<0.05	9.32	0.392	0.90	2.5	98
ZZ113573		67.1	<0.002	0.03	2.25	12.0	<1	1.5	302	0.89	<0.05	8.83	0.427	0.88	2.4	103
ZZ113574		58.5	<0.002	0.02	2.18	11.5	1	1.4	353	0.84	<0.05	10.20	0.424	0.53	2.5	85
ZZ113575		65.2	0.002	0.03	1.90	12.0	1	1.6	327	0.80	<0.05	8.98	0.418	0.60	2.3	93
ZZ113576		64.1	<0.002	0.04	2.50	11.7	<1	1.4	356	0.63	<0.05	7.70	0.408	0.65	2.4	110
ZZ113577		62.1	<0.002	0.02	2.07	11.4	<1	1.7	272	0.73	0.06	6.34	0.461	0.65	2.1	128
ZZ113578		51.2	<0.002	0.03	0.79	10.2	1	1.4	319	0.66	<0.05	6.36	0.350	0.39	1.5	80
ZZ113579		73.7	<0.002	0.08	3.68	13.1	1	1.5	283	0.60	0.11	7.51	0.392	0.80	2.8	117
ZZ113580		59.8	0.005	0.08	6.48	12.9	1	1.7	332	0.69	0.24	10.05	0.438	0.91	3.2	105
ZZ113581		73.3	<0.002	0.11	9.43	14.3	2	3.1	251	0.63	0.09	11.40	0.400	2.34	3.5	112
ZZ113582		52.4	<0.002	0.03	1.25	12.8	1	1.7	337	0.91	0.17	11.45	0.526	0.50	2.5	105
ZZ113583		57.1	<0.002	0.02	1.85	12.5	1	1.8	311	0.82	1.00	9.30	0.523	0.58	2.3	121
ZZ113584		50.0	<0.002	0.05	1.65	10.9	1	1.8	249	0.65	3.30	8.34	0.404	0.79	2.2	104
ZZ113585		66.3	<0.002	0.04	7.18	6.9	1	3.9	224	0.86	0.33	10.80	0.367	2.27	4.0	63
ZZ113586		73.3	<0.002	0.01	1.84	15.7	1	2.3	291	1.30	0.08	16.60	0.609	1.22	4.4	132
ZZ113587		62.4	0.002	0.02	2.03	11.7	<1	1.6	287	0.67	0.05	6.16	0.437	0.74	2.0	118
ZZ113588		46.9	0.002	0.02	9.15	11.6	1	1.4	342	0.67	0.12	6.94	0.425	1.04	1.9	105
ZZ113589		67.5	<0.002	0.07	2.11	12.6	1	1.7	299	0.69	0.11	8.73	0.421	0.75	2.9	101
ZZ113590		69.8	<0.002	0.06	1.12	12.4	1	1.6	313	0.66	0.07	7.97	0.395	0.80	2.9	89
ZZ113591		65.6	<0.002	0.02	1.11	11.4	1	2.0	300	0.77	0.14	6.75	0.480	0.82	2.1	134
ZZ113592		58.9	<0.002	0.02	0.86	10.6	1	1.6	299	0.72	0.20	6.20	0.398	0.50	1.8	94
ZZ113593		87.2	<0.002	0.01	1.74	11.8	1	1.8	318	0.78	0.40	6.21	0.462	0.75	2.1	116
ZZ113594		65.6	<0.002	0.02	2.46	11.2	1	1.7	293	0.71	0.12	5.69	0.426	0.70	1.9	108
ZZ113595		60.7	<0.002	0.02	2.67	11.7	1	1.6	313	0.69	0.07	6.07	0.446	0.57	1.8	131
ZZ113596		61.5	<0.002	0.02	3.55	11.6	1	1.7	292	0.73	<0.05	5.44	0.440	0.72	1.8	112
ZZ113597		59.3	<0.002	0.03	8.46	12.0	1	1.7	392	0.74	<0.05	8.04	0.441	0.93	2.1	95

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 22-SEP-2016
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Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113541		5.9	22.4	627	46.9	0.054
ZZ113542		1.4	14.3	164	45.5	0.015
ZZ113543		1.0	15.3	236	37.7	0.011
ZZ113561		0.9	21.9	69	75.5	0.012
ZZ113562		0.8	15.0	72	49.0	0.009
ZZ113563		1.0	17.5	66	61.5	0.028
ZZ113564		0.9	13.0	72	48.3	<0.005
ZZ113565		1.0	17.7	66	63.0	0.007
ZZ113566		0.9	19.2	54	49.4	<0.005
ZZ113567		1.1	16.9	58	57.9	0.007
ZZ113568		1.0	14.3	65	56.6	<0.005
ZZ113569		0.8	15.7	71	67.5	0.005
ZZ113570		2.0	17.8	69	54.6	0.005
ZZ113571		0.9	16.2	60	49.5	<0.005
ZZ113572		0.9	17.9	81	54.5	0.009
ZZ113573		1.0	16.3	81	57.7	<0.005
ZZ113574		0.8	18.6	86	43.5	0.010
ZZ113575		0.9	17.0	73	59.7	<0.005
ZZ113576		1.0	15.6	96	71.4	<0.005
ZZ113577		1.1	13.3	68	58.8	<0.005
ZZ113578		2.2	12.8	70	36.6	<0.005
ZZ113579		1.2	16.7	90	69.6	0.007
ZZ113580		1.9	20.3	268	67.6	0.028
ZZ113581		2.7	21.9	352	76.8	0.018
ZZ113582		2.4	18.1	144	50.2	0.018
ZZ113583		1.0	16.2	146	52.7	0.019
ZZ113584		1.1	13.7	129	52.3	0.031
ZZ113585		14.8	9.6	225	66.0	0.113
ZZ113586		3.1	27.4	583	71.2	0.072
ZZ113587		1.2	13.1	74	60.5	0.011
ZZ113588		1.9	13.7	97	51.1	0.063
ZZ113589		1.4	16.6	180	61.9	0.037
ZZ113590		1.3	15.2	155	50.1	0.031
ZZ113591		1.7	13.3	77	75.6	0.012
ZZ113592		0.8	13.4	66	66.5	0.007
ZZ113593		1.2	13.7	95	82.7	0.009
ZZ113594		1.8	12.2	97	66.4	0.024
ZZ113595		0.9	12.2	104	57.8	0.011
ZZ113596		1.2	12.4	88	59.4	0.015
ZZ113597		1.1	15.7	128	61.6	0.021

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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113598		0.08	0.31	7.04	28.9	880	1.18	0.20	2.06	0.18	42.7	11.0	34	4.56	25.8	2.88
ZZ113599		0.18	0.28	7.27	32.0	1040	1.21	0.16	1.98	0.38	44.4	15.8	46	4.16	19.9	3.62
ZZ113600		0.10	0.33	6.65	77.2	860	1.22	0.16	1.69	0.36	34.6	12.8	15	2.53	21.3	6.23
ZZ113601		0.12	3.12	7.09	127.5	730	1.26	0.13	2.75	19.15	43.2	14.0	38	7.75	45.8	3.86
ZZ113602		0.36	1.09	7.73	27.8	980	1.41	0.15	2.27	2.93	62.7	10.3	50	5.70	22.8	2.77
ZZ113603		0.18	1.49	8.12	52.9	950	1.43	0.17	2.36	0.98	50.0	12.3	54	7.42	15.5	3.93
ZZ113604		0.24	3.11	8.51	141.5	1060	1.43	0.30	2.22	5.77	46.1	18.3	46	11.55	18.5	4.62
ZZ113605		0.36	3.04	7.80	126.0	950	1.39	0.18	2.01	0.96	46.4	10.8	55	8.06	17.6	3.44
ZZ113606		0.26	0.81	7.54	134.0	1080	1.51	0.13	2.16	0.75	52.1	15.0	53	9.70	21.7	4.69
ZZ113607		0.34	0.98	7.71	56.1	1020	1.58	0.15	2.52	0.69	55.9	15.0	59	7.79	23.3	3.95
ZZ113608		0.34	1.22	7.42	88.5	890	1.39	0.13	2.32	1.11	50.8	11.3	49	7.91	23.0	3.54
ZZ113609		0.46	1.07	7.72	100.5	970	1.45	0.13	2.31	0.75	48.2	12.1	50	6.06	14.7	3.77
ZZ113610		0.22	1.65	7.70	213	940	1.35	0.13	2.14	0.87	45.2	12.5	51	7.24	15.7	4.62
ZZ113611		0.26	1.35	7.78	107.0	1010	1.49	0.14	2.12	0.62	60.5	16.1	48	7.59	24.5	4.95
ZZ113613		0.18	0.26	7.16	24.0	930	1.33	0.11	2.36	0.17	58.0	11.1	45	3.75	14.9	3.16
ZZ113614		0.10	0.60	6.77	18.7	880	1.21	0.11	2.53	0.42	46.5	11.2	42	3.62	21.1	3.08
ZZ113615		0.32	0.33	7.28	24.6	1000	1.37	0.12	2.21	0.17	45.5	10.7	48	4.83	16.4	3.24
ZZ113616		0.30	0.33	6.78	59.8	890	1.29	0.13	2.14	0.18	50.1	11.5	47	4.15	19.5	3.96
ZZ113617		0.28	0.70	7.33	22.9	970	1.35	0.11	2.24	0.18	55.2	11.3	55	6.45	17.7	3.69
ZZ113651		0.32	0.66	7.33	60.2	950	1.37	0.11	2.48	0.22	62.0	12.9	49	3.50	15.1	3.64
ZZ113652		0.36	0.22	7.25	46.6	960	1.37	0.10	2.53	0.23	52.5	12.8	50	3.32	13.4	3.82
ZZ113653		0.38	1.03	7.39	71.4	920	1.33	0.14	2.16	0.29	54.2	15.5	54	5.40	23.5	3.80
ZZ113654		0.24	0.35	7.26	39.9	950	1.47	0.11	2.38	0.18	56.2	11.0	52	3.83	17.2	3.46
ZZ113655		0.30	0.17	7.50	30.2	990	1.43	0.10	2.64	0.18	51.7	13.3	45	6.34	15.4	4.21
ZZ113656		0.18	1.23	7.32	29.1	970	1.30	0.11	2.39	0.13	49.6	10.0	48	3.55	14.5	3.19
ZZ113657		0.22	0.25	7.82	24.3	1010	1.53	0.14	2.32	0.16	59.3	13.8	57	3.76	19.2	3.67
ZZ113658		0.22	0.22	6.89	29.5	900	1.23	0.12	2.15	0.15	40.0	9.0	29	2.29	17.3	3.51
ZZ113659		0.18	0.20	7.32	39.3	990	1.24	0.11	2.02	0.22	54.5	11.5	51	4.12	19.1	3.62
ZZ113660		0.30	0.26	7.40	38.7	1010	1.34	0.12	2.08	0.10	51.7	8.6	52	3.44	13.5	2.97
ZZ113661		0.26	0.38	7.45	101.0	990	1.49	0.12	2.23	0.32	57.4	15.1	48	6.04	17.4	4.17
ZZ113662		0.54	3.11	7.16	131.5	960	1.43	0.10	2.13	0.60	49.1	9.4	47	4.83	14.6	3.11
ZZ113663		0.32	0.94	7.09	104.0	930	1.33	0.11	2.26	0.30	46.4	12.9	48	3.67	17.1	3.72
ZZ113664		0.20	0.57	7.06	71.0	980	1.46	0.15	1.98	0.38	50.2	11.0	51	4.09	21.4	2.92
ZZ113665		0.32	0.47	7.36	44.3	980	1.47	0.13	2.04	0.29	52.2	10.1	46	3.93	14.3	2.85
ZZ113666		0.32	1.65	7.71	150.0	970	1.42	0.12	2.14	1.22	51.4	9.1	46	5.37	15.4	3.38
ZZ113667		0.12	2.05	7.35	121.5	900	1.28	0.16	1.90	0.76	42.0	9.7	36	10.55	33.3	3.50
ZZ113668		0.38	0.42	7.64	42.0	970	1.38	0.14	2.03	0.16	47.7	14.1	53	5.23	17.1	3.58
ZZ113669		0.26	0.38	7.78	51.1	950	1.31	0.17	1.93	0.19	47.0	11.6	43	5.66	19.0	4.46
ZZ113670		0.40	0.31	7.76	32.5	980	1.38	0.17	2.05	0.14	52.2	10.1	47	5.08	14.7	3.03
ZZ113671		0.36	0.61	8.00	48.2	930	1.25	0.21	2.04	0.22	49.5	8.1	36	9.72	15.4	3.11

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	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113598		16.70	0.17	2.1	0.034	1.44	22.6	21.0	0.77	919	1.07	1.73	7.2	12.4	790	13.7
ZZ113599		16.85	0.13	1.8	0.041	1.36	22.3	19.7	0.91	5000	1.58	1.74	8.4	15.6	650	14.0
ZZ113600		16.65	0.12	3.1	0.019	1.84	19.2	16.7	0.47	1390	2.99	2.25	5.6	5.0	720	9.0
ZZ113601		17.65	0.16	1.9	0.045	1.22	25.1	15.9	1.12	844	1.10	1.73	6.5	14.4	930	98.0
ZZ113602		17.90	0.15	1.6	0.049	1.53	30.1	18.5	1.07	606	0.53	1.91	9.9	13.0	520	119.5
ZZ113603		18.95	0.15	1.4	0.059	1.49	24.9	21.2	1.35	631	0.90	1.95	10.5	14.2	620	149.5
ZZ113604		19.15	0.13	1.5	0.068	1.71	22.2	21.1	1.33	2620	1.56	1.69	9.4	13.4	850	404
ZZ113605		18.65	0.15	1.6	0.055	1.52	24.2	20.9	1.12	636	0.87	1.69	10.7	15.0	660	153.0
ZZ113606		18.70	0.14	1.6	0.062	1.55	25.8	19.0	1.34	707	1.48	1.63	9.5	14.1	1010	71.0
ZZ113607		19.05	0.17	1.4	0.062	1.45	26.4	18.8	1.53	721	1.04	1.88	9.6	15.0	880	75.6
ZZ113608		18.30	0.16	1.5	0.052	1.35	25.2	20.9	1.22	676	0.95	1.70	9.5	13.3	820	117.5
ZZ113609		18.65	0.15	1.5	0.052	1.46	24.3	21.3	1.28	749	0.91	1.91	10.0	14.5	630	40.7
ZZ113610		17.85	0.15	1.3	0.049	1.43	23.5	21.0	1.27	975	1.08	1.74	9.3	13.1	600	72.5
ZZ113611		18.65	0.17	1.5	0.060	1.46	28.2	22.5	1.09	1780	1.47	1.68	11.0	12.8	570	41.5
ZZ113613		17.60	0.15	1.7	0.045	1.37	29.5	16.9	1.01	784	1.11	2.00	11.2	11.4	620	16.1
ZZ113614		16.75	0.16	1.6	0.036	1.31	24.7	15.6	1.06	638	0.83	1.87	8.1	13.0	820	14.5
ZZ113615		17.85	0.15	1.5	0.047	1.44	23.1	18.5	1.10	629	1.14	1.94	10.6	12.4	790	20.1
ZZ113616		16.25	0.16	1.4	0.049	1.29	26.1	16.9	1.02	790	1.75	1.79	9.9	11.8	850	16.7
ZZ113617		18.00	0.16	2.1	0.049	1.37	28.0	19.1	1.19	664	1.21	1.82	11.6	13.4	880	15.5
ZZ113651		17.95	0.17	1.7	0.047	1.41	31.0	17.5	1.17	925	1.18	2.03	11.5	13.0	780	26.7
ZZ113652		17.30	0.16	1.6	0.045	1.43	26.2	17.2	1.17	954	0.97	2.06	10.8	13.3	770	16.7
ZZ113653		17.20	0.15	1.6	0.048	1.35	27.2	19.8	1.22	1060	1.23	1.83	10.4	15.4	970	26.1
ZZ113654		17.30	0.14	1.5	0.045	1.39	29.3	17.3	1.14	764	1.02	2.01	11.1	13.8	810	16.0
ZZ113655		17.95	0.15	1.3	0.052	1.41	26.1	16.1	1.48	838	1.25	2.01	10.8	11.0	890	17.6
ZZ113656		16.75	0.13	1.5	0.045	1.40	25.7	17.7	1.14	562	0.94	2.08	10.8	14.7	760	18.7
ZZ113657		18.05	0.16	1.5	0.051	1.52	30.4	20.7	1.20	553	1.12	2.11	10.5	18.9	720	17.7
ZZ113658		17.75	0.12	2.3	0.028	1.64	20.7	16.4	0.88	719	1.47	2.19	7.8	10.9	670	13.2
ZZ113659		17.10	0.14	1.3	0.044	1.41	27.4	19.3	1.03	968	0.91	1.82	9.2	17.5	590	21.3
ZZ113660		18.00	0.14	1.6	0.049	1.43	26.9	20.6	1.01	569	0.74	1.91	10.2	17.3	650	19.1
ZZ113661		18.60	0.13	1.5	0.056	1.42	28.1	18.9	1.25	696	1.13	1.82	9.6	16.3	690	30.4
ZZ113662		17.15	0.12	1.3	0.046	1.44	25.3	18.0	1.07	1020	0.79	1.88	8.8	16.1	590	67.9
ZZ113663		16.75	0.15	1.4	0.046	1.33	23.6	18.3	1.25	666	0.98	1.84	9.3	15.6	670	21.1
ZZ113664		17.25	0.16	1.7	0.048	1.42	23.8	19.8	0.98	484	0.90	1.74	8.4	18.0	770	27.4
ZZ113665		17.35	0.12	1.5	0.044	1.43	25.9	18.9	1.00	527	0.85	1.86	9.9	15.4	510	36.5
ZZ113666		17.90	0.14	1.6	0.044	1.46	26.9	19.6	1.05	848	1.18	1.80	9.5	14.8	770	122.0
ZZ113667		18.15	0.14	2.1	0.044	1.50	22.7	21.4	0.79	565	1.10	1.53	6.2	15.9	890	22.8
ZZ113668		18.15	0.15	1.7	0.049	1.42	23.8	20.4	1.04	1140	0.97	1.81	9.6	17.9	670	17.5
ZZ113669		18.10	0.11	1.7	0.051	1.42	23.1	21.0	0.96	479	1.21	1.74	7.9	16.0	610	15.7
ZZ113670		17.60	0.16	1.6	0.047	1.45	26.5	20.9	0.92	667	0.79	1.83	9.3	14.9	520	15.7
ZZ113671		18.20	0.16	2.0	0.046	1.53	25.9	23.6	0.93	431	0.74	1.58	8.4	13.1	650	20.0

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113598		58.7	<0.002	0.06	2.80	10.7	2	1.0	409	0.50	<0.05	6.16	0.317	0.52	8.2	83
ZZ113599		55.8	<0.002	0.05	2.66	12.8	2	1.2	376	0.59	<0.05	6.63	0.354	0.52	4.8	86
ZZ113600		48.1	<0.002	0.03	1.77	5.0	1	0.7	449	0.41	<0.05	5.43	0.201	0.33	2.1	56
ZZ113601		51.9	<0.002	0.12	4.72	17.4	2	1.0	483	0.42	<0.05	5.34	0.374	0.57	4.0	109
ZZ113602		64.5	<0.002	0.03	7.10	15.3	1	1.4	383	0.66	<0.05	8.36	0.451	0.76	2.4	115
ZZ113603		66.3	<0.002	0.02	6.77	17.3	2	1.6	403	0.70	0.06	7.45	0.506	0.78	2.2	153
ZZ113604		81.9	<0.002	0.02	12.45	17.8	1	1.4	378	0.60	0.12	6.04	0.510	1.45	2.0	156
ZZ113605		71.9	<0.002	0.03	7.51	16.8	2	1.4	338	0.70	<0.05	8.10	0.425	0.99	2.3	119
ZZ113606		74.7	<0.002	0.02	6.27	18.2	1	1.5	405	0.61	<0.05	7.23	0.502	1.14	2.1	155
ZZ113607		67.8	<0.002	0.02	4.76	20.0	1	1.5	460	0.63	<0.05	7.73	0.496	0.75	2.2	152
ZZ113608		65.4	<0.002	0.05	4.57	19.0	2	1.4	388	0.63	<0.05	6.80	0.467	0.83	2.4	139
ZZ113609		65.2	<0.002	0.02	4.96	16.6	1	1.4	404	0.67	<0.05	7.13	0.475	0.71	1.8	130
ZZ113610		64.7	<0.002	0.02	4.47	16.8	1	1.4	364	0.63	<0.05	6.76	0.471	0.77	1.9	142
ZZ113611		78.7	<0.002	0.03	4.54	21.8	2	1.4	357	0.79	<0.05	9.00	0.471	1.23	3.2	163
ZZ113613		57.5	<0.002	0.03	1.95	14.4	1	1.5	417	0.76	<0.05	8.20	0.495	0.46	2.2	105
ZZ113614		55.3	<0.002	0.06	1.72	14.6	1	1.2	443	0.54	<0.05	6.34	0.405	0.41	2.1	95
ZZ113615		59.9	<0.002	0.03	2.21	13.4	1	1.5	390	0.72	<0.05	7.07	0.454	0.50	1.7	110
ZZ113616		54.5	<0.002	0.04	1.95	13.9	1	1.4	363	0.69	<0.05	7.75	0.423	0.43	2.0	143
ZZ113617		58.8	<0.002	0.03	2.75	15.7	1	1.5	377	0.75	<0.05	7.79	0.516	0.52	2.3	121
ZZ113651		55.0	<0.002	0.01	4.32	14.1	1	1.6	423	0.80	<0.05	8.40	0.529	0.48	2.1	131
ZZ113652		55.3	<0.002	0.01	2.40	13.4	1	1.4	421	0.76	<0.05	7.58	0.497	0.44	1.9	129
ZZ113653		66.0	<0.002	0.03	6.45	15.9	1	1.4	363	0.78	<0.05	8.29	0.469	0.52	2.3	125
ZZ113654		57.4	<0.002	0.03	3.01	14.2	1	1.4	404	0.76	<0.05	7.74	0.486	0.47	1.9	112
ZZ113655		61.9	<0.002	0.01	2.73	16.2	1	1.5	433	0.74	<0.05	7.68	0.556	0.54	1.6	140
ZZ113656		52.2	<0.002	0.02	2.55	13.4	1	1.3	408	0.71	<0.05	6.59	0.467	0.50	1.7	108
ZZ113657		66.4	<0.002	0.02	2.36	15.5	1	1.5	403	0.71	<0.05	8.38	0.466	0.51	2.1	126
ZZ113658		48.8	<0.002	0.02	1.40	9.2	1	1.0	464	0.56	<0.05	5.50	0.397	0.37	1.9	103
ZZ113659		61.0	<0.002	0.02	2.38	12.9	<1	1.4	353	0.61	<0.05	7.75	0.437	0.53	1.7	117
ZZ113660		57.5	<0.002	0.02	2.72	12.5	1	1.6	364	0.65	<0.05	6.49	0.434	0.56	1.8	104
ZZ113661		65.8	<0.002	0.01	5.77	15.8	1	1.4	396	0.62	<0.05	7.34	0.485	0.72	2.0	137
ZZ113662		65.3	<0.002	0.01	12.60	13.5	<1	1.4	375	0.59	<0.05	6.48	0.421	0.61	1.5	107
ZZ113663		59.2	<0.002	0.02	15.10	14.0	<1	1.4	387	0.61	<0.05	6.02	0.458	0.50	2.0	118
ZZ113664		62.9	<0.002	0.04	2.60	13.2	1	1.3	343	0.57	<0.05	7.12	0.382	0.61	2.0	106
ZZ113665		62.9	<0.002	0.02	4.15	12.7	1	1.3	359	0.69	<0.05	7.29	0.400	0.66	2.3	105
ZZ113666		61.8	<0.002	0.02	6.93	13.2	1	1.4	373	0.63	<0.05	6.72	0.466	0.86	2.3	111
ZZ113667		71.3	<0.002	0.10	3.85	13.0	1	1.2	348	0.44	<0.05	6.32	0.313	0.77	3.0	101
ZZ113668		63.9	<0.002	0.02	3.35	14.1	1	1.5	357	0.62	<0.05	6.54	0.419	0.60	1.8	112
ZZ113669		63.9	<0.002	0.02	3.82	13.0	1	1.3	370	0.55	0.05	7.10	0.378	0.61	1.9	110
ZZ113670		64.0	<0.002	0.02	4.23	13.5	1	1.7	363	0.64	<0.05	7.62	0.418	0.69	2.6	101
ZZ113671		76.4	<0.002	0.03	6.35	12.9	1	1.5	370	0.57	0.05	8.03	0.423	0.90	3.7	104

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113598		0.8	15.0	74	76.9	0.006
ZZ113599		0.9	15.1	71	59.0	<0.005
ZZ113600		0.6	11.3	65	115.0	<0.005
ZZ113601		0.8	27.0	509	61.2	0.026
ZZ113602		1.6	18.8	326	47.9	0.014
ZZ113603		1.3	15.7	307	41.7	0.013
ZZ113604		1.9	15.9	583	44.1	0.043
ZZ113605		1.7	15.0	262	50.1	0.030
ZZ113606		3.1	16.2	182	47.1	0.018
ZZ113607		1.3	18.0	155	40.8	0.013
ZZ113608		1.4	17.6	185	45.3	0.013
ZZ113609		1.9	17.1	158	42.2	0.013
ZZ113610		1.2	14.6	189	38.5	0.086
ZZ113611		1.2	22.0	102	39.7	0.015
ZZ113613		0.9	16.3	84	49.3	<0.005
ZZ113614		0.8	19.9	80	53.8	0.007
ZZ113615		1.3	14.9	87	42.6	0.005
ZZ113616		1.0	16.2	74	40.5	0.006
ZZ113617		1.1	17.4	86	62.6	0.028
ZZ113651		1.3	17.6	92	45.4	0.011
ZZ113652		3.1	17.0	87	46.1	0.008
ZZ113653		1.5	17.5	98	45.9	0.023
ZZ113654		1.0	16.8	90	43.3	0.012
ZZ113655		1.8	17.4	91	34.3	<0.005
ZZ113656		1.1	16.8	83	42.5	<0.005
ZZ113657		1.1	17.9	80	45.1	0.006
ZZ113658		0.8	11.0	75	80.0	<0.005
ZZ113659		0.9	12.9	87	42.3	0.006
ZZ113660		1.1	13.7	71	48.2	0.005
ZZ113661		1.4	15.7	99	43.2	0.016
ZZ113662		1.3	14.3	131	40.7	0.020
ZZ113663		1.1	13.9	113	42.3	0.015
ZZ113664		0.9	13.9	95	52.4	0.008
ZZ113665		1.1	14.1	90	47.4	0.006
ZZ113666		1.7	14.7	215	48.3	0.013
ZZ113667		0.8	16.5	142	73.8	0.017
ZZ113668		1.3	13.7	79	54.8	0.007
ZZ113669		0.9	13.2	83	62.2	0.006
ZZ113670		1.3	15.0	70	54.4	0.007
ZZ113671		1.3	14.7	82	70.3	0.008

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Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113672		0.26	1.37	7.44	169.5	930	1.33	1.38	2.13	2.17	47.1	10.5	33	5.00	28.6	3.15
ZZ113673		0.34	0.20	7.32	9.8	1050	1.49	0.25	2.00	0.42	59.2	7.6	50	4.60	15.3	2.34
ZZ113674		0.16	0.36	7.21	81.1	990	1.56	0.37	1.84	0.47	64.6	14.1	49	9.17	15.0	3.11
ZZ113675		0.36	0.22	7.27	95.3	1000	1.57	0.20	2.06	0.29	60.5	9.0	58	5.56	15.2	3.11
ZZ113676		0.22	0.35	7.07	66.2	1050	1.52	0.26	1.84	0.48	54.7	9.0	50	6.92	13.8	2.64
ZZ113677		0.22	0.25	7.38	62.1	970	1.67	0.22	1.90	0.20	53.6	8.4	44	5.76	17.8	2.56
ZZ113678		0.18	0.44	7.73	55.1	1060	1.35	0.25	1.92	0.48	58.7	15.7	54	12.90	16.5	3.04
ZZ113679		0.08	0.42	7.29	67.5	870	1.22	0.34	1.92	0.31	42.4	8.6	42	5.37	16.4	3.32
ZZ113680		0.18	0.28	7.43	107.5	1020	1.43	0.38	1.76	0.36	55.8	8.8	53	11.60	11.9	2.84
ZZ113681		0.20	0.45	7.71	83.2	1080	1.43	0.34	1.62	0.53	53.9	10.2	56	13.25	13.6	2.87
ZZ113682		0.18	0.66	7.66	163.0	960	1.52	0.43	1.74	0.82	47.7	11.8	50	10.75	19.0	3.04
ZZ113683		0.36	0.64	7.32	104.5	970	1.59	0.36	1.72	0.50	56.2	8.3	56	7.79	16.9	2.85
ZZ113684		0.26	0.45	7.16	118.0	950	1.49	0.58	1.97	0.38	57.9	7.2	55	4.95	17.7	2.78
ZZ113685		0.34	0.76	6.97	102.0	930	1.41	0.50	1.84	0.43	56.0	7.5	57	3.98	17.6	2.67
ZZ113686		0.16	0.85	6.85	73.6	830	1.22	1.63	2.06	0.82	82.6	9.6	57	2.58	73.9	3.23
ZZ113687		0.38	1.25	7.09	108.5	910	1.30	0.62	1.79	0.33	48.2	7.1	55	3.31	16.5	2.68
ZZ113689		0.40	0.93	7.28	61.0	970	1.60	0.43	1.89	0.51	65.3	7.3	53	3.77	18.1	2.62
ZZ113690		0.16	1.19	6.95	136.5	830	1.33	0.43	1.50	0.66	48.5	11.5	54	7.13	17.2	3.21
ZZ113691		0.06	1.52	6.57	67.9	870	1.22	0.19	1.54	0.72	51.0	8.0	19	1.93	21.3	2.24
ZZ113694		0.06	0.76	6.75	19.6	890	1.28	0.31	1.64	0.44	46.8	8.5	52	7.81	23.6	2.61
ZZ113698		0.34	0.25	7.18	40.6	980	1.14	0.27	1.80	0.37	53.9	8.6	49	6.30	12.2	2.54
ZZ113699		0.32	0.34	7.15	52.1	1000	1.49	0.24	1.95	0.38	55.3	7.4	50	4.15	11.8	2.54
ZZ113700		0.20	0.94	7.23	218	720	1.06	0.49	2.87	1.15	38.3	12.9	27	2.18	21.7	4.32
ZZ113701		0.30	0.06	6.90	8.7	890	1.21	0.11	2.32	0.16	64.4	9.5	56	2.65	15.0	3.23
ZZ113702		0.20	0.11	6.81	7.5	910	1.19	0.12	2.08	0.17	46.0	9.8	44	2.72	14.4	3.18
ZZ113703		0.12	0.20	6.20	13.1	730	1.02	0.18	2.02	0.28	42.7	9.9	58	3.69	23.8	3.21
ZZ113704		0.10	0.21	6.23	24.3	700	1.12	0.15	1.97	0.29	50.3	10.2	45	3.06	18.6	2.82
ZZ113705		0.16	0.21	5.30	17.3	580	0.99	0.15	1.37	0.21	41.6	8.2	45	3.27	21.6	2.39
ZZ113706		0.16	0.26	6.60	127.0	740	1.17	0.17	1.84	0.18	46.4	11.3	53	4.69	26.2	3.27
ZZ113707		0.12	0.12	6.25	44.7	770	1.37	0.14	2.16	0.15	60.9	10.1	52	2.93	14.1	2.96
ZZ113708		0.14	0.27	6.25	61.6	650	1.05	0.17	1.82	0.18	43.9	12.0	47	7.72	35.4	3.26
ZZ113709		0.18	0.18	7.24	34.6	800	1.22	0.11	2.45	0.16	46.6	16.4	48	8.31	31.4	4.32
ZZ113710		0.16	0.16	6.97	15.4	960	1.28	0.10	2.52	0.15	49.1	17.9	59	4.01	22.5	4.64
ZZ113711		0.18	0.15	7.34	19.7	860	1.29	0.10	2.55	0.11	53.4	11.7	51	3.65	15.3	3.51
ZZ113712		0.28	0.09	7.92	20.1	940	1.35	0.11	2.40	0.13	48.5	14.3	50	4.39	15.8	4.65
ZZ113713		0.20	0.22	7.15	29.5	810	1.24	0.12	2.43	0.18	47.2	12.6	48	3.19	17.9	3.52
ZZ113714		0.22	0.22	7.64	53.1	900	1.36	0.12	2.03	0.11	51.4	13.3	51	6.00	16.4	3.48
ZZ113715		0.32	0.35	8.04	29.0	970	1.57	0.18	1.95	0.18	64.0	11.7	57	6.16	23.2	3.24
ZZ113716		0.30	0.23	7.62	34.8	910	1.42	0.15	1.92	0.17	57.2	11.8	53	7.29	16.2	3.12
ZZ113717		0.28	0.52	7.80	29.2	970	1.55	0.17	1.95	0.18	54.0	11.8	55	9.09	21.2	3.11

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113672		18.70	0.12	2.5	0.061	1.80	24.3	17.3	0.89	971	1.33	2.07	7.8	12.9	700	64.3
ZZ113673		17.00	0.16	1.7	0.052	1.63	30.0	17.8	0.84	434	0.42	2.02	9.3	14.5	490	29.4
ZZ113674		16.80	0.16	2.1	0.044	1.57	33.2	16.3	0.82	986	1.70	1.69	9.6	14.7	980	49.6
ZZ113675		17.60	0.18	1.6	0.057	1.57	30.9	18.7	0.95	723	0.91	1.92	9.9	18.5	680	25.6
ZZ113676		17.20	0.16	1.8	0.046	1.53	29.2	19.0	0.86	576	0.76	1.77	9.6	16.3	700	22.9
ZZ113677		17.95	0.15	2.1	0.048	1.66	27.9	19.3	0.82	608	0.84	2.01	8.7	13.9	690	17.8
ZZ113678		18.85	0.17	1.9	0.059	1.65	28.7	20.7	0.96	2430	0.92	1.73	8.8	17.2	780	30.8
ZZ113679		20.3	0.14	2.4	0.041	1.56	21.4	18.8	0.88	504	1.65	1.98	8.5	13.7	470	23.0
ZZ113680		18.10	0.16	1.7	0.048	1.70	29.6	18.3	0.85	589	1.15	1.75	10.6	16.2	590	21.5
ZZ113681		19.40	0.15	1.9	0.051	1.77	28.2	19.2	0.90	1040	1.42	1.69	9.3	16.7	830	27.1
ZZ113682		19.80	0.16	2.4	0.058	1.72	25.1	19.7	0.90	1060	2.15	1.74	8.4	18.0	790	51.7
ZZ113683		17.75	0.16	1.8	0.053	1.63	29.7	18.9	0.91	682	1.34	1.72	9.4	18.0	750	25.8
ZZ113684		17.85	0.15	1.9	0.048	1.56	31.3	16.6	0.94	520	1.46	1.85	10.2	16.5	680	26.9
ZZ113685		17.20	0.16	1.7	0.050	1.50	29.1	17.0	0.92	580	1.18	1.82	9.9	17.3	610	25.5
ZZ113686		17.25	0.15	2.1	0.066	1.39	42.4	16.1	0.97	654	7.64	1.76	11.6	16.2	680	63.6
ZZ113687		16.75	0.13	1.6	0.048	1.45	24.5	18.4	0.89	443	0.89	1.79	8.7	17.0	600	25.3
ZZ113689		17.40	0.15	1.7	0.052	1.56	34.9	19.1	0.90	470	0.92	1.89	9.5	17.9	630	27.4
ZZ113690		17.25	0.17	2.1	0.052	1.44	24.8	16.5	0.81	1080	1.67	1.46	8.0	15.2	1300	28.9
ZZ113691		16.95	0.17	3.1	0.029	1.94	22.4	17.3	0.47	2460	1.75	2.28	5.4	6.0	830	16.2
ZZ113694		16.30	0.16	2.4	0.052	1.25	24.2	16.6	0.84	733	1.01	1.41	7.1	17.2	1390	14.5
ZZ113698		16.75	0.17	2.0	0.050	1.59	28.1	18.2	0.86	521	0.59	1.74	9.4	15.0	550	30.9
ZZ113699		16.95	0.17	1.7	0.046	1.60	29.1	18.6	0.85	536	0.48	1.94	9.6	15.8	560	32.2
ZZ113700		18.20	0.13	2.4	0.043	1.48	19.3	12.8	1.27	911	2.11	2.26	5.6	17.3	990	24.9
ZZ113701		15.65	0.18	1.8	0.049	1.41	32.5	12.6	1.03	644	0.91	2.04	9.8	15.8	830	12.1
ZZ113702		15.00	0.16	1.2	0.054	1.32	23.4	12.2	1.04	661	0.95	1.89	8.1	13.8	920	11.8
ZZ113703		15.15	0.14	1.5	0.044	1.09	21.6	14.6	0.95	586	1.47	1.51	8.3	16.9	1160	13.1
ZZ113704		14.45	0.17	1.5	0.040	1.12	24.8	13.7	0.84	652	1.16	1.55	7.2	14.6	1210	11.3
ZZ113705		12.45	0.17	1.5	0.039	0.94	21.1	12.1	0.63	475	1.48	1.23	6.7	14.0	1390	10.6
ZZ113706		16.40	0.15	1.5	0.048	1.20	23.5	16.8	0.94	667	1.85	1.52	7.8	17.7	1190	14.6
ZZ113707		14.75	0.16	1.4	0.050	1.20	31.1	14.7	0.93	642	0.91	1.75	9.3	15.9	820	11.2
ZZ113708		15.70	0.17	1.5	0.052	1.04	21.3	17.3	0.98	605	1.79	1.29	7.0	16.1	1430	13.6
ZZ113709		17.85	0.14	1.3	0.054	1.11	22.7	16.5	1.44	973	1.61	1.68	7.4	17.9	1050	11.9
ZZ113710		16.20	0.13	1.3	0.051	1.22	24.8	15.5	1.60	1100	1.74	1.81	8.7	16.7	1030	12.7
ZZ113711		17.65	0.13	1.5	0.049	1.32	26.8	16.4	1.27	544	0.94	2.06	9.5	16.5	840	12.4
ZZ113712		18.10	0.14	1.3	0.054	1.25	25.0	16.7	1.22	602	1.10	2.03	8.8	16.2	890	12.8
ZZ113713		16.30	0.13	1.4	0.045	1.34	23.8	14.2	1.15	900	0.74	1.98	7.6	16.4	720	11.9
ZZ113714		17.15	0.14	1.4	0.055	1.43	25.3	18.7	0.94	1640	1.35	1.79	8.8	15.7	650	13.0
ZZ113715		18.05	0.18	1.5	0.063	1.46	33.3	22.4	1.03	481	1.06	1.86	9.0	20.6	710	17.2
ZZ113716		17.20	0.14	1.5	0.057	1.45	29.4	20.5	0.93	898	1.07	1.80	9.7	16.8	620	14.7
ZZ113717		17.40	0.17	1.6	0.055	1.45	28.8	26.3	1.01	556	0.69	1.80	9.3	20.2	600	17.0

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VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113672		75.0	<0.002	0.04	4.14	10.1	<1	1.4	466	0.53	0.08	6.14	0.379	0.82	2.1	94
ZZ113673		67.3	<0.002	0.03	3.42	11.5	1	1.5	361	0.67	0.06	8.08	0.379	0.60	2.2	85
ZZ113674		74.2	<0.002	0.04	4.22	12.0	1	1.5	324	0.66	0.09	10.05	0.396	0.93	2.8	91
ZZ113675		68.2	<0.002	0.02	2.94	12.0	1	1.6	349	0.65	<0.05	7.35	0.406	0.76	1.9	97
ZZ113676		69.0	<0.002	0.03	3.34	11.7	<1	1.5	319	0.70	<0.05	7.64	0.366	0.75	2.4	86
ZZ113677		63.4	<0.002	0.03	3.13	10.9	1	1.4	383	0.57	<0.05	6.67	0.356	0.70	2.2	83
ZZ113678		81.7	<0.002	0.04	2.96	14.1	1	1.6	342	0.59	<0.05	7.02	0.392	1.02	2.1	102
ZZ113679		59.2	<0.002	0.02	1.84	10.4	1	1.5	415	0.58	<0.05	5.34	0.432	0.62	2.0	120
ZZ113680		80.0	<0.002	0.02	5.63	11.9	<1	1.8	313	0.74	<0.05	7.76	0.391	1.07	2.0	97
ZZ113681		88.5	<0.002	0.03	3.55	12.3	<1	1.7	303	0.63	<0.05	6.92	0.398	1.19	2.1	106
ZZ113682		81.1	<0.002	0.03	4.79	11.0	1	1.7	358	0.60	<0.05	6.74	0.368	1.10	2.2	99
ZZ113683		72.8	<0.002	0.02	5.95	11.5	1	1.7	304	0.62	<0.05	7.70	0.372	0.95	2.5	90
ZZ113684		66.5	<0.002	0.02	6.07	11.3	1	1.8	346	0.68	<0.05	7.04	0.427	0.95	2.3	95
ZZ113685		64.5	<0.002	0.02	3.92	11.2	1	1.7	321	0.67	<0.05	7.10	0.407	0.73	2.3	89
ZZ113686		60.0	<0.002	0.01	1.82	11.8	1	2.2	333	0.81	0.33	10.95	0.509	0.87	3.0	98
ZZ113687		60.4	<0.002	0.02	3.48	11.1	1	1.7	314	0.59	<0.05	6.50	0.364	0.77	2.1	84
ZZ113689		64.3	<0.002	0.02	6.38	11.6	1	1.6	340	0.63	<0.05	7.27	0.384	0.78	2.3	85
ZZ113690		67.5	<0.002	0.06	5.22	11.2	1	1.5	285	0.56	<0.05	8.10	0.366	1.01	2.7	92
ZZ113691		49.5	<0.002	0.04	1.51	5.8	1	0.8	434	0.40	<0.05	6.49	0.225	0.48	2.8	54
ZZ113694		60.8	<0.002	0.09	2.06	13.0	1	1.4	303	0.48	<0.05	8.44	0.347	0.79	3.1	85
ZZ113698		71.8	<0.002	0.02	3.25	11.0	<1	1.5	318	0.68	<0.05	7.43	0.386	0.88	2.1	91
ZZ113699		67.1	<0.002	0.02	2.80	10.9	1	1.5	348	0.66	<0.05	6.97	0.382	0.69	2.2	85
ZZ113700		42.8	0.002	0.04	1.78	11.0	1	1.0	623	0.40	<0.05	4.38	0.416	0.41	1.8	107
ZZ113701		51.4	<0.002	0.02	1.00	11.8	1	1.5	379	0.75	<0.05	7.97	0.459	0.40	2.0	102
ZZ113702		50.2	0.002	0.05	1.19	12.3	1	1.4	367	0.62	<0.05	5.94	0.406	0.33	1.6	100
ZZ113703		47.0	0.003	0.09	1.43	12.0	1	1.5	297	0.59	0.05	5.83	0.423	0.41	2.2	109
ZZ113704		44.6	0.002	0.08	1.91	11.2	1	1.2	336	0.52	<0.05	5.73	0.363	0.39	2.2	92
ZZ113705		40.1	0.002	0.13	2.54	9.9	1	1.2	237	0.48	0.05	4.87	0.338	0.36	2.1	84
ZZ113706		54.3	0.003	0.11	4.48	12.5	1	1.4	303	0.55	0.05	6.38	0.384	0.65	2.7	105
ZZ113707		48.4	0.003	0.06	2.69	12.1	1	1.4	348	0.68	<0.05	7.45	0.430	0.45	2.0	94
ZZ113708		55.9	0.002	0.11	5.36	13.4	1	1.5	275	0.49	<0.05	5.89	0.374	0.70	2.2	105
ZZ113709		45.5	0.003	0.05	4.40	17.3	1	1.5	437	0.51	<0.05	6.15	0.484	0.40	2.0	134
ZZ113710		47.1	0.004	0.04	7.55	15.6	1	1.5	411	0.58	<0.05	6.99	0.498	0.36	2.2	143
ZZ113711		49.0	0.003	0.03	4.61	14.0	1	1.6	442	0.69	<0.05	6.53	0.532	0.43	1.8	127
ZZ113712		43.6	0.003	0.02	5.42	15.1	1	1.5	439	0.62	<0.05	5.93	0.490	0.41	1.7	140
ZZ113713		48.0	0.003	0.04	3.00	14.2	1	1.4	441	0.55	<0.05	6.78	0.434	0.45	1.9	114
ZZ113714		61.2	0.004	0.02	6.03	13.3	1	1.4	358	0.63	<0.05	7.11	0.432	0.97	1.9	113
ZZ113715		66.0	0.002	0.03	8.97	16.2	2	1.8	336	0.67	<0.05	8.48	0.416	0.72	2.7	117
ZZ113716		67.3	0.002	0.02	8.49	13.4	1	1.8	329	0.69	<0.05	8.34	0.420	0.71	2.0	102
ZZ113717		73.1	0.004	0.02	6.89	14.5	1	1.7	327	0.67	0.05	7.81	0.411	0.74	2.6	103

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113672		1.0	12.3	172	89.9	0.006
ZZ113673		0.9	16.0	77	52.5	0.006
ZZ113674		1.0	17.9	100	66.8	0.017
ZZ113675		0.9	15.4	88	51.5	0.008
ZZ113676		0.9	16.4	88	57.0	0.008
ZZ113677		1.3	13.0	71	71.4	0.009
ZZ113678		0.9	15.9	109	63.9	0.011
ZZ113679		1.0	10.9	80	84.5	0.007
ZZ113680		1.1	15.0	86	57.6	0.012
ZZ113681		1.1	14.1	106	63.0	0.006
ZZ113682		1.7	13.2	131	73.4	0.010
ZZ113683		0.9	14.5	111	59.5	0.021
ZZ113684		1.0	15.2	81	64.5	0.007
ZZ113685		1.0	14.5	87	54.4	0.013
ZZ113686		1.8	17.2	148	68.6	0.028
ZZ113687		0.8	13.0	86	54.2	0.022
ZZ113689		1.0	17.4	89	55.5	0.009
ZZ113690		0.9	12.8	111	73.3	0.018
ZZ113691		0.6	9.6	59	119.5	0.008
ZZ113694		0.7	14.7	82	78.9	<0.005
ZZ113698		1.5	14.2	82	58.3	<0.005
ZZ113699		1.0	14.2	87	53.0	<0.005
ZZ113700		0.7	14.3	107	88.6	<0.005
ZZ113701		0.8	17.6	63	50.0	0.005
ZZ113702		0.8	14.6	67	38.1	<0.005
ZZ113703		3.0	15.8	74	57.6	0.005
ZZ113704		0.9	17.0	62	59.9	<0.005
ZZ113705		0.8	14.0	48	57.8	<0.005
ZZ113706		0.9	15.9	67	59.0	0.007
ZZ113707		0.8	17.1	59	46.3	<0.005
ZZ113708		0.9	15.2	65	53.4	<0.005
ZZ113709		1.7	18.2	79	45.5	<0.005
ZZ113710		0.8	18.2	84	42.9	<0.005
ZZ113711		1.0	17.2	68	45.0	<0.005
ZZ113712		1.2	17.3	72	40.0	<0.005
ZZ113713		0.7	17.1	69	48.3	<0.005
ZZ113714		1.8	14.3	66	45.3	0.014
ZZ113715		1.1	23.3	72	50.5	<0.005
ZZ113716		1.1	15.8	68	51.1	<0.005
ZZ113717		2.4	20.1	69	59.5	0.006

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Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113718		0.16	0.51	6.83	36.7	810	1.42	0.18	1.83	0.15	52.4	11.7	44	7.42	34.1	2.93
ZZ113719		0.16	0.16	7.40	35.6	860	1.39	0.18	1.98	0.16	49.3	10.7	49	6.02	16.5	3.10
ZZ113720		0.16	0.32	7.20	22.8	850	1.39	0.19	1.69	0.17	41.8	8.9	41	6.85	20.6	2.75
ZZ113721		0.14	0.19	7.10	7.9	800	1.29	0.15	1.95	0.12	37.9	7.5	27	4.30	20.3	2.50
ZZ113722		0.10	0.16	6.37	8.9	790	1.23	0.14	1.55	0.26	42.3	7.9	34	2.94	22.4	2.05
ZZ113723		0.08	0.28	6.49	11.0	740	1.19	0.18	1.70	0.35	39.4	6.8	40	6.64	29.5	2.09
ZZ113724		0.28	0.10	6.93	12.0	890	1.56	0.12	2.08	0.17	57.2	8.3	53	2.54	11.2	2.77
ZZ113725		0.28	0.36	7.30	49.6	840	1.56	0.15	2.17	0.18	58.4	12.2	52	6.49	17.6	3.89
ZZ113726		0.12	0.48	6.56	7.5	790	1.27	0.14	1.97	0.12	37.6	6.8	22	2.76	20.5	2.47
ZZ113727		0.12	0.26	6.77	15.0	840	1.30	0.23	1.61	0.37	39.0	6.6	23	2.44	18.1	2.05
ZZ113728		0.28	3.80	7.69	451	810	1.52	0.27	1.88	0.71	48.3	10.5	42	23.7	23.2	3.53
ZZ113729		0.32	16.05	7.09	1485	820	1.46	1.30	1.59	1.55	50.8	6.7	36	12.20	15.2	3.21
ZZ113730		0.12	0.80	6.83	60.4	910	1.52	0.23	2.19	0.38	65.0	9.7	52	13.55	17.1	3.08
ZZ113731		0.18	0.22	6.96	41.6	880	1.53	0.20	1.91	0.31	50.8	8.9	50	11.95	14.0	3.18
ZZ113732		0.30	0.38	6.69	62.8	920	1.55	0.19	2.05	0.38	67.3	9.3	52	9.98	12.0	2.96
ZZ113733		0.20	1.81	7.25	110.5	940	1.60	0.32	1.44	0.67	55.1	9.3	56	21.5	15.9	2.62
ZZ113734		0.16	0.77	7.22	243	690	1.26	0.17	2.84	0.39	38.3	13.8	43	8.70	19.7	3.76
ZZ113735		0.18	0.53	7.30	29.4	440	0.90	0.08	4.00	0.72	30.0	21.9	40	2.11	16.7	5.84
ZZ113736		0.16	1.54	7.01	172.5	700	1.32	0.36	2.17	1.11	42.2	12.1	49	6.85	23.1	3.47
ZZ113737		0.22	1.76	7.25	108.5	840	1.34	0.51	1.62	1.49	43.6	16.6	52	9.28	22.2	3.09
ZZ113738		0.20	1.47	6.32	79.0	810	1.19	0.80	2.00	0.38	57.9	7.0	49	2.73	20.9	2.58
ZZ113739		0.30	0.43	7.52	72.8	920	1.30	0.48	1.91	0.39	50.6	11.4	57	3.70	14.3	3.03
ZZ113740		0.24	0.46	7.16	57.6	860	1.26	0.33	1.91	0.36	50.1	10.2	54	3.90	14.0	2.95
ZZ113741		0.36	0.43	7.32	79.7	970	1.51	0.39	1.70	0.70	60.2	13.1	56	4.87	14.9	2.81
ZZ113742		0.18	0.46	6.80	88.8	830	1.25	0.35	1.68	0.27	45.6	8.1	39	3.36	14.5	2.68
ZZ113743		0.22	0.21	7.34	62.7	930	1.29	0.26	2.08	0.28	51.6	8.8	50	4.72	10.5	2.79
ZZ113744		0.32	0.22	7.09	55.9	920	1.44	0.24	2.06	0.31	52.9	8.5	53	4.59	12.2	2.69
ZZ113745		0.18	0.28	6.97	19.8	890	1.37	0.19	2.07	0.52	43.7	9.2	27	2.26	25.7	2.60
ZZ113746		0.14	0.21	6.89	13.6	880	1.10	0.12	2.65	1.42	46.0	17.0	17	0.97	24.4	3.57
ZZ113747		0.36	0.15	7.16	32.4	900	1.28	0.18	2.28	0.15	48.0	8.4	50	3.48	11.1	2.61
ZZ113748		0.18	0.22	6.80	207	860	1.25	0.22	1.90	0.35	43.0	9.7	40	3.58	21.7	3.58
ZZ113749		0.20	1.88	7.26	192.5	900	1.40	1.30	2.02	0.95	59.0	10.9	48	6.54	19.5	3.31
ZZ113750		0.20	1.30	6.50	76.8	950	1.31	0.17	2.32	3.49	47.2	13.8	44	3.90	28.5	3.12

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113718		16.10	0.18	1.9	0.046	1.27	28.6	20.2	0.84	666	1.58	1.55	6.8	17.9	1110	12.4
ZZ113719		17.30	0.15	1.8	0.045	1.49	25.3	19.9	0.93	620	1.01	1.82	8.3	16.7	630	12.9
ZZ113720		17.40	0.17	2.1	0.036	1.55	21.4	21.8	0.77	600	1.36	1.90	7.4	13.9	830	12.7
ZZ113721		18.25	0.16	2.5	0.038	1.71	19.3	18.5	0.77	385	1.34	2.23	6.8	10.5	560	9.9
ZZ113722		15.15	0.16	2.1	0.028	1.46	21.9	18.3	0.63	452	1.28	1.85	6.6	12.3	990	9.7
ZZ113723		16.35	0.17	2.2	0.033	1.24	20.4	15.9	0.70	374	1.05	1.62	7.1	14.0	1000	10.0
ZZ113724		15.55	0.16	1.5	0.050	1.44	28.5	17.0	0.91	539	0.71	1.97	10.5	16.0	580	12.6
ZZ113725		18.05	0.19	2.4	0.045	1.39	29.3	19.1	1.07	807	1.01	1.83	9.6	18.8	1010	17.8
ZZ113726		16.50	0.17	2.6	0.025	1.65	20.6	16.0	0.70	374	1.35	2.15	6.2	9.1	960	10.7
ZZ113727		17.95	0.17	2.8	0.027	1.87	20.5	18.6	0.57	465	1.68	2.29	6.9	7.6	670	14.5
ZZ113728		17.70	0.17	1.8	0.060	1.64	25.8	22.0	0.96	1130	1.15	1.35	7.4	14.5	880	79.3
ZZ113729		17.10	0.16	2.2	0.851	1.86	27.7	17.1	0.74	733	2.35	1.36	8.2	11.6	700	1160
ZZ113730		15.55	0.21	2.0	0.058	1.59	36.2	17.4	0.82	707	1.00	1.64	9.5	16.5	840	45.5
ZZ113731		16.35	0.17	1.7	0.053	1.63	26.2	15.6	0.85	615	0.85	1.84	8.9	14.7	420	24.0
ZZ113732		15.50	0.19	1.9	0.050	1.59	34.4	15.7	0.84	774	0.90	1.72	10.0	15.1	690	27.6
ZZ113733		17.15	0.21	1.9	0.062	1.59	29.1	19.1	0.77	572	1.28	1.38	8.7	17.0	1140	53.6
ZZ113734		17.35	0.16	1.7	0.051	1.25	19.7	14.2	1.32	690	0.86	1.87	6.6	18.3	960	27.9
ZZ113735		19.80	0.14	1.7	0.045	0.89	13.8	7.9	2.14	598	0.74	2.14	5.1	24.0	530	9.1
ZZ113736		18.15	0.15	1.9	0.058	1.29	21.3	20.0	1.12	593	1.12	1.72	7.4	19.3	960	45.9
ZZ113737		18.85	0.16	2.0	0.063	1.50	21.6	21.1	0.89	1110	1.47	1.62	8.4	17.4	890	55.7
ZZ113738		15.70	0.14	1.7	0.048	1.40	29.4	15.0	0.83	486	2.59	1.76	9.3	13.4	1030	36.7
ZZ113739		17.35	0.14	1.9	0.047	1.53	25.8	18.2	0.90	1290	1.18	1.92	9.2	18.3	680	26.6
ZZ113740		17.65	0.15	1.8	0.049	1.47	26.0	17.4	0.91	727	1.08	1.87	9.2	17.2	740	25.5
ZZ113741		17.25	0.19	1.7	0.050	1.53	29.2	18.5	0.84	1940	1.05	1.79	9.6	17.7	580	32.8
ZZ113742		16.80	0.17	2.4	0.042	1.58	23.7	17.6	0.68	446	1.32	1.92	7.4	11.7	970	29.1
ZZ113743		17.25	0.17	1.8	0.049	1.62	26.5	16.3	0.91	590	0.99	2.03	9.6	14.7	580	29.1
ZZ113744		16.95	0.19	1.8	0.050	1.54	27.1	16.4	0.87	566	0.80	1.99	11.1	16.0	640	26.6
ZZ113745		17.85	0.16	2.6	0.032	1.73	23.7	18.3	0.73	2900	1.42	2.24	6.6	13.4	1060	13.7
ZZ113746		18.65	0.15	2.8	0.027	1.57	20.0	14.9	1.03	11100	1.95	2.39	5.0	13.7	1030	7.1
ZZ113747		16.80	0.18	1.9	0.043	1.53	24.1	17.4	0.96	513	0.58	2.07	9.6	15.2	660	17.4
ZZ113748		16.60	0.16	2.2	0.042	1.59	22.6	17.1	0.71	1360	1.40	1.96	7.5	12.5	950	23.3
ZZ113749		17.00	0.18	2.0	0.068	1.50	30.1	20.7	0.86	665	1.02	1.72	9.0	16.0	1000	69.3
ZZ113750		15.95	0.17	1.8	0.040	1.36	23.6	19.0	0.84	1200	1.24	1.70	7.8	17.7	1060	100.5

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CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113718		56.2	0.002	0.07	6.34	12.6	2	1.3	328	0.48	<0.05	6.87	0.331	0.65	2.7	90
ZZ113719		65.6	0.002	0.03	5.38	11.9	1	1.5	375	0.61	0.06	6.95	0.403	0.83	2.1	100
ZZ113720		66.8	0.002	0.04	5.94	9.7	1	1.3	376	0.55	<0.05	5.44	0.345	0.65	2.1	89
ZZ113721		57.5	0.003	0.03	1.26	8.4	1	1.2	478	0.49	<0.05	4.93	0.359	0.45	2.1	79
ZZ113722		50.5	0.003	0.06	3.40	8.0	1	1.1	358	0.47	<0.05	5.33	0.276	0.44	2.2	60
ZZ113723		56.8	0.004	0.06	2.65	10.6	1	1.6	352	0.50	0.06	4.77	0.351	0.58	2.1	80
ZZ113724		55.4	0.002	0.02	0.96	11.2	1	1.5	364	0.73	<0.05	7.23	0.407	0.44	1.9	90
ZZ113725		59.2	0.003	0.04	2.93	13.3	1	1.6	388	0.69	<0.05	8.21	0.506	0.65	2.6	127
ZZ113726		46.9	0.003	0.06	0.84	7.6	1	1.0	470	0.45	<0.05	4.99	0.324	0.37	2.1	72
ZZ113727		55.1	<0.002	0.03	0.82	6.2	1	1.1	438	0.52	<0.05	5.49	0.282	0.41	2.3	63
ZZ113728		87.0	0.002	0.07	10.05	15.5	1	1.8	296	0.56	<0.05	6.80	0.357	1.40	2.3	116
ZZ113729		93.4	0.004	0.09	63.2	10.3	1	5.2	297	0.61	0.09	9.90	0.351	2.09	3.2	87
ZZ113730		72.8	0.002	0.08	4.12	13.3	1	1.7	323	0.70	0.10	9.07	0.389	0.93	3.0	93
ZZ113731		69.4	0.003	0.04	5.22	11.9	1	1.7	344	0.66	0.10	6.32	0.401	0.76	1.9	103
ZZ113732		67.1	0.002	0.04	3.33	12.8	1	1.6	329	0.76	0.19	8.64	0.423	0.78	2.4	92
ZZ113733		85.5	0.003	0.06	5.26	14.1	2	1.7	251	0.62	0.16	8.19	0.367	1.72	3.0	95
ZZ113734		53.5	0.002	0.06	4.04	14.6	1	1.3	548	0.45	<0.05	4.79	0.465	0.87	1.7	127
ZZ113735		24.3	<0.002	0.03	0.82	17.3	1	1.2	797	0.32	<0.05	2.47	0.672	0.22	0.9	209
ZZ113736		55.1	<0.002	0.05	2.74	13.2	1	1.4	434	0.54	<0.05	5.38	0.413	0.66	2.0	115
ZZ113737		69.4	<0.002	0.04	3.56	11.9	1	1.8	329	0.59	0.05	5.73	0.394	0.90	2.1	105
ZZ113738		48.6	<0.002	0.05	3.04	11.2	1	1.8	337	0.70	0.09	8.09	0.424	0.67	2.3	78
ZZ113739		58.0	<0.002	0.02	5.03	12.2	1	1.6	359	0.66	<0.05	7.81	0.407	0.78	2.1	95
ZZ113740		57.3	<0.002	0.02	5.02	12.2	1	1.5	361	0.68	<0.05	6.65	0.424	0.70	2.0	98
ZZ113741		61.7	<0.002	0.02	5.67	12.5	1	1.5	318	0.67	<0.05	8.48	0.400	0.88	2.5	90
ZZ113742		52.4	<0.002	0.05	2.95	9.8	1	1.2	378	0.54	<0.05	7.20	0.308	0.65	2.5	71
ZZ113743		62.4	<0.002	0.02	3.70	12.0	1	1.4	386	0.69	<0.05	6.88	0.427	0.70	1.9	93
ZZ113744		60.9	<0.002	0.01	4.15	12.6	1	1.5	361	0.78	<0.05	7.34	0.412	0.65	2.1	91
ZZ113745		46.3	<0.002	0.05	1.98	8.8	1	1.0	483	0.47	<0.05	5.99	0.328	0.40	2.8	74
ZZ113746		34.6	<0.002	0.04	1.25	9.5	1	0.8	640	0.36	0.05	4.39	0.362	0.25	1.9	91
ZZ113747		56.0	<0.002	0.02	2.66	12.2	1	1.5	409	0.72	<0.05	6.25	0.428	0.54	2.0	90
ZZ113748		54.0	<0.002	0.06	3.68	10.4	1	1.2	394	0.54	<0.05	6.41	0.335	0.58	2.5	90
ZZ113749		63.0	<0.002	0.06	5.52	12.8	2	1.6	354	0.66	0.09	8.66	0.410	0.90	3.3	97
ZZ113750		53.9	<0.002	0.08	4.42	12.6	1	1.2	362	0.61	0.05	7.18	0.345	0.55	3.0	99

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 22-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16135116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113718		0.9	22.0	58	68.6	0.005
ZZ113719		0.8	14.7	62	66.1	<0.005
ZZ113720		0.8	11.8	60	77.1	<0.005
ZZ113721		0.6	10.7	56	96.2	<0.005
ZZ113722		0.6	11.5	53	80.6	<0.005
ZZ113723		0.8	12.8	54	73.2	<0.005
ZZ113724		0.8	16.8	59	50.5	<0.005
ZZ113725		1.0	18.3	79	78.6	0.016
ZZ113726		0.5	11.2	58	97.3	<0.005
ZZ113727		0.7	9.0	58	113.5	<0.005
ZZ113728		1.2	15.4	153	69.2	0.064
ZZ113729		1.3	13.6	175	77.3	0.147
ZZ113730		0.9	23.9	84	67.4	0.007
ZZ113731		1.0	14.0	65	58.3	<0.005
ZZ113732		0.9	20.4	76	65.1	0.017
ZZ113733		0.9	20.9	117	71.7	0.072
ZZ113734		0.7	16.0	91	58.1	0.033
ZZ113735		0.3	14.2	90	59.0	0.007
ZZ113736		0.7	13.9	128	64.0	0.014
ZZ113737		0.9	13.0	144	68.8	0.011
ZZ113738		1.0	15.0	95	57.6	0.018
ZZ113739		0.9	14.1	93	60.0	0.007
ZZ113740		0.8	14.1	85	58.8	0.005
ZZ113741		0.9	15.4	117	58.3	0.009
ZZ113742		0.8	11.4	75	83.8	<0.005
ZZ113743		0.9	14.2	87	61.8	0.009
ZZ113744		1.1	17.0	79	56.1	0.015
ZZ113745		0.6	17.6	74	95.1	<0.005
ZZ113746		0.4	13.6	76	101.0	<0.005
ZZ113747		0.9	15.1	70	54.6	<0.005
ZZ113748		0.7	13.3	69	78.9	<0.005
ZZ113749		1.0	18.2	170	67.6	0.013
ZZ113750		1.0	15.7	285	61.8	<0.005

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16135116

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	LOG-22	ME-MS61	SCR-41
WEI-21			

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-SEP-2016
Account: ROCKHA

CERTIFICATE WH16142304

Project: Klaza

P.O. No.: HTR-16-05

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

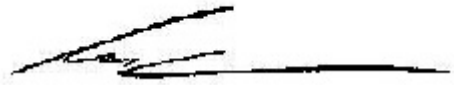
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Pb-VOL70	Pb by Titration	
ME-XRF10	Fusion XRF - Ore Grade	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM
Ba-XRF10	Fusion XRF - Ba Ore Grade	XRF

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16142304

Sample Description	Method	WEI-21	Au-GRA22	Ag-OG62	Cu-OG62	Pb-OG62	Pb-VOL70	Ba-XRF10	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Cu	Pb	Pb	Ba	Ag	Al	As	Ba	Be	Bi	Ca	Cd
	Units	kg	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.05	1	0.001	0.001	0.01	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
S051056		6.98							0.68	8.02	23.9	1010	1.46	0.38	0.38	0.27
S051057		6.88							0.34	8.42	26.1	1190	1.54	0.78	2.17	0.35
S051058		8.44							0.22	8.09	20.8	1070	1.54	0.79	2.45	0.38
S051059		8.24							0.18	8.21	18.4	1110	1.44	0.59	2.46	0.33
S051060		3.08							0.40	8.40	17.3	3900	1.62	1.12	0.29	0.22
K291379		4.16		146					>100	3.67	5220	240	0.78	0.18	0.11	17.00
K291380		2.80							2.76	7.07	160.0	780	1.60	0.21	4.56	3.81
K291381		5.16							16.20	2.69	201	820	0.97	0.33	16.85	16.00
K291382		3.68	10.00	217					>100	3.18	1965	1410	0.73	0.16	0.10	3.79
K291383		5.98							0.25	0.06	4.0	20	0.05	0.05	20.5	0.08
K291384		4.02							5.11	3.13	119.5	1390	0.68	0.40	14.80	12.50
K291385		1.80							6.70	5.28	237	990	0.86	0.44	0.54	3.65
K291386		1.44		270					>100	4.51	1260	440	1.33	0.84	0.16	20.3
K291387		1.48							0.61	7.51	8.7	1380	0.74	0.04	0.19	0.07
K291388		1.70			2.95				17.40	7.50	59.5	7080	0.61	9.85	0.35	1.38
K291389		0.32							8.68	6.67	1840	310	1.54	6.44	1.93	44.8
K291390		0.54			4.07			1.54	26.9	6.15	371	>10000	0.52	17.50	0.35	1.51
K291391		0.14		199					>100	1.47	9080	200	0.29	147.0	2.74	54.7
K291392		2.04							6.38	0.09	840	90	0.09	17.10	0.02	0.22
K291393		0.16	14.95	403		>20.0	54.08		>100	1.00	263	230	0.30	141.0	1.12	36.1
K291394		5.28							8.53	4.36	499	2620	1.06	1.15	7.73	1.18

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16142304

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
S051056		55.4	5.3	15	8.79	51.0	2.70	15.90	0.07	1.1	0.028	2.57	32.4	30.3	0.26	399
S051057		54.8	11.4	29	6.88	38.6	3.83	17.65	0.09	1.6	0.056	1.91	28.9	20.5	0.87	947
S051058		51.6	11.8	31	5.50	32.0	3.86	17.35	0.09	1.7	0.060	1.62	26.3	21.0	0.94	951
S051059		56.8	11.2	30	4.69	26.9	3.66	16.95	0.11	1.8	0.059	1.73	28.8	19.5	0.97	949
S051060		49.1	7.4	11	47.1	16.1	2.76	16.70	0.09	0.8	0.039	3.17	27.6	15.4	0.37	511
K291379		36.6	0.9	11	10.70	101.0	5.83	7.78	0.07	1.7	0.103	1.53	23.2	46.1	0.16	329
K291380		52.3	12.0	29	12.90	16.1	3.96	18.20	0.10	3.8	0.044	1.91	26.3	76.0	0.62	3040
K291381		31.6	5.2	10	5.57	19.5	1.82	5.25	0.06	0.9	0.047	1.01	20.3	19.4	0.17	3810
K291382		19.85	0.9	26	7.81	53.7	2.07	6.39	0.06	0.8	0.058	1.33	12.3	51.4	0.09	394
K291383		1.14	0.7	1	0.16	2.5	0.46	0.21	<0.05	<0.1	0.007	0.02	0.6	1.2	12.75	211
K291384		27.1	3.8	5	8.05	21.0	1.57	5.61	0.07	1.0	0.042	1.11	15.4	30.5	0.18	2740
K291385		32.9	55.6	9	8.14	37.6	4.04	9.39	0.07	1.7	0.050	2.22	18.7	28.2	0.23	1640
K291386		26.0	4.1	9	12.15	254	6.71	9.62	0.07	1.2	0.134	1.80	16.2	36.2	0.21	839
K291387		2.61	1.3	11	1.13	23.6	0.59	14.90	0.05	0.5	<0.005	4.71	1.2	5.4	0.08	164
K291388		34.8	98.2	5	4.96	>10000	9.16	19.85	0.09	1.5	1.210	2.93	15.5	40.0	3.39	663
K291389		42.8	17.1	20	16.50	124.5	5.24	14.80	0.08	1.4	0.846	2.88	21.0	25.2	0.70	2040
K291390		17.40	168.0	4	6.90	>10000	18.70	13.45	0.10	1.1	2.03	2.93	8.9	21.9	2.57	429
K291391		26.2	93.2	3	3.34	2430	27.6	3.18	0.09	0.7	1.340	0.64	9.7	4.8	0.68	17400
K291392		0.73	11.8	45	0.25	170.0	3.02	0.70	0.05	<0.1	0.014	0.02	<0.5	2.0	0.02	92
K291393		29.5	20.7	28	2.54	5950	9.31	4.31	0.14	0.7	0.980	0.38	15.5	4.3	0.31	5860
K291394		32.3	4.9	10	8.79	37.0	3.01	9.11	0.06	1.1	0.021	1.69	17.1	28.1	1.29	3920

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16142304

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05
S051056		3.01	1.23	7.5	4.7	470	22.3	131.5	<0.002	0.02	5.80	8.9	1	1.0	127.5	0.68
S051057		2.92	1.88	8.7	12.7	750	32.2	87.8	<0.002	0.02	5.60	14.0	1	1.5	339	0.61
S051058		2.46	1.92	8.5	13.8	760	28.7	69.0	<0.002	0.02	5.13	13.9	1	1.4	372	0.59
S051059		2.30	1.99	8.7	13.6	730	28.9	74.0	<0.002	0.03	5.05	13.6	1	1.4	385	0.59
S051060		2.66	0.46	8.2	4.1	530	16.2	181.5	<0.002	0.08	6.26	11.6	1	1.4	93.4	0.67
K291379		2.19	0.04	3.3	1.5	330	4080	93.4	<0.002	0.25	296	4.0	1	2.8	40.5	0.27
K291380		1.80	0.55	10.0	13.2	1430	51.7	61.4	<0.002	0.01	25.5	9.2	1	1.3	159.5	0.62
K291381		1.14	0.09	3.3	2.4	160	622	64.6	<0.002	0.01	56.6	2.0	1	0.8	366	0.30
K291382		18.50	0.35	3.0	1.9	210	5860	57.7	<0.002	0.21	174.5	1.6	1	5.4	115.0	0.30
K291383		0.15	0.01	0.1	1.3	160	12.4	0.9	<0.002	<0.01	0.42	0.2	1	<0.2	48.9	<0.05
K291384		0.96	0.11	3.9	2.7	190	242	63.3	<0.002	0.02	31.8	2.6	1	0.6	333	0.43
K291385		1.41	0.04	5.8	3.8	440	1460	127.0	<0.002	0.07	54.6	4.7	<1	1.7	45.9	0.63
K291386		8.18	0.02	3.6	2.4	370	3830	104.0	<0.002	0.13	393	7.5	1	2.5	54.8	0.23
K291387		0.74	2.48	1.8	1.1	50	39.6	96.7	<0.002	0.01	2.35	1.6	<1	0.2	189.0	0.27
K291388		1.06	0.91	3.6	13.7	730	21.5	88.2	<0.002	0.16	6.40	16.3	1	2.3	183.0	0.30
K291389		11.40	0.27	7.8	15.5	510	1340	149.0	0.003	3.18	31.4	8.5	<1	5.7	150.0	0.67
K291390		2.48	0.69	2.0	11.4	820	38.7	104.5	<0.002	0.37	27.1	10.8	2	1.6	462	0.16
K291391		1.67	0.02	3.9	17.8	270	7790	36.6	<0.002	>10.0	1055	3.5	<1	0.9	45.3	0.37
K291392		15.45	0.01	0.1	1.4	20	40.7	1.1	<0.002	0.05	15.05	0.2	1	0.2	4.7	<0.05
K291393		2.62	0.09	2.7	5.5	470	>10000	20.6	<0.002	>10.0	700	3.6	1	1.3	173.0	0.24
K291394		1.38	0.02	4.6	3.5	320	878	87.3	<0.002	0.27	35.2	4.2	1	1.1	176.5	0.36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16142304

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
S051056		<0.05	14.85	0.225	1.47	2.1	70	2.0	13.0	50	30.9	<0.005
S051057		0.05	10.45	0.377	0.95	2.2	116	2.3	19.9	88	52.4	<0.005
S051058		0.06	8.64	0.400	0.78	2.1	120	1.9	19.5	85	54.7	<0.005
S051059		0.06	8.99	0.395	0.79	2.2	116	1.9	20.2	81	59.4	0.014
S051060		<0.05	16.80	0.281	2.23	2.4	94	3.2	13.3	54	17.7	<0.005
K291379		<0.05	16.65	0.101	1.45	4.0	30	1.2	6.5	817	63.3	2.20
K291380		<0.05	6.45	0.428	1.12	3.1	100	1.8	13.1	322	147.5	0.040
K291381		<0.05	7.08	0.063	0.92	3.9	24	0.7	15.0	1260	29.9	0.098
K291382		<0.05	6.80	0.057	0.66	4.2	25	1.0	3.3	274	25.4	>10.0
K291383		<0.05	0.11	<0.005	<0.02	0.6	2	0.1	0.8	17	<0.5	0.006
K291384		<0.05	8.85	0.074	1.09	4.2	27	0.9	17.5	774	32.0	0.046
K291385		0.20	12.10	0.140	1.85	4.8	54	2.1	6.8	476	51.6	0.124
K291386		0.16	4.56	0.193	2.26	8.1	71	2.6	9.3	1690	37.5	0.721
K291387		<0.05	0.60	0.021	0.45	0.5	7	0.1	2.2	16	13.7	<0.005
K291388		6.91	3.14	0.308	1.62	15.9	145	1.2	10.0	89	48.3	2.30
K291389		0.35	11.50	0.208	2.58	5.2	58	5.2	11.3	2990	39.9	0.814
K291390		11.25	2.76	0.210	1.07	25.9	124	1.2	9.5	82	34.5	4.09
K291391		0.06	5.61	0.133	1.27	12.1	24	1.8	13.5	6350	18.1	5.78
K291392		6.29	0.08	<0.005	0.02	0.3	11	24.3	0.5	24	0.7	1.225
K291393		0.07	6.58	0.184	0.71	8.0	245	3.5	7.3	484	19.1	>10.0
K291394		0.06	5.57	0.110	1.33	3.0	39	1.6	13.8	123	35.0	0.185

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 27-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16142304

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	Ba-XRF10
CRU-31	CRU-QC	Cu-OG62	LOG-22
LOG-23	ME-MS61	ME-OG62	ME-XRF10
OA-GRA06	Pb-OG62	Pb-VOL70	PUL-31
PUL-QC	SPL-21	WEI-21	

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

CERTIFICATE WH16144495

Project: Klaza

This report is for 71 Soil samples submitted to our lab in Whitehorse, YT, Canada on 29-AUG-2016.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113544		0.40	0.10	8.19	6.9	1040	1.11	0.14	1.69	0.14	52.2	8.9	47	10.70	14.2	3.18
ZZ113545		0.42	0.14	7.34	9.4	1060	1.29	0.17	1.90	0.13	61.8	9.3	55	9.23	20.1	3.52
ZZ113546		0.32	0.24	7.18	9.3	1080	1.24	0.21	1.87	0.17	50.9	10.9	59	5.61	18.5	3.73
ZZ113547		0.26	0.06	7.19	9.8	1110	1.46	0.13	2.00	0.14	57.3	9.8	51	4.21	13.7	3.54
ZZ113548		0.38	0.12	6.98	8.5	1830	1.66	0.22	1.98	0.17	60.5	10.2	52	6.65	22.6	2.97
ZZ113549		0.42	0.13	7.35	7.8	1390	1.59	0.18	1.92	0.16	67.3	11.4	52	7.83	24.6	3.26
ZZ113550		0.46	0.07	7.16	6.6	1300	1.34	0.17	2.11	0.13	81.8	8.0	46	4.25	12.3	2.62
ZZ113551		0.46	0.11	7.26	6.5	1150	1.27	0.17	2.10	0.13	54.0	7.8	49	4.54	14.6	2.82
ZZ113552		0.36	0.10	7.67	6.6	1120	1.48	0.15	2.18	0.16	55.5	9.0	52	5.63	17.8	3.14
ZZ113553		0.46	0.10	7.60	22.8	1050	1.43	0.21	2.02	0.14	61.4	8.9	41	6.08	13.8	3.20
ZZ113554		0.36	0.05	7.24	8.2	1120	1.44	0.15	2.08	0.14	55.4	8.7	48	5.44	13.2	2.95
ZZ113555		0.46	0.02	7.39	8.4	990	1.39	0.11	2.11	0.13	58.7	11.4	44	7.95	10.4	3.69
ZZ113556		0.42	0.08	8.21	19.5	1250	1.56	0.17	1.59	0.21	48.1	11.4	70	8.35	29.0	4.31
ZZ113557		0.36	0.18	7.71	7.2	1640	1.37	0.22	1.69	0.22	56.7	9.7	54	8.95	22.3	2.69
ZZ113558		0.44	0.07	8.31	14.4	1270	1.46	0.17	1.54	0.19	53.1	11.6	73	9.21	31.0	4.15
ZZ113559		0.36	0.17	7.53	7.2	1380	1.51	0.26	1.87	0.18	60.1	9.1	48	7.59	18.1	2.95
ZZ113560		0.30	0.14	7.20	5.2	1370	1.48	0.21	2.07	0.29	56.6	8.0	49	6.86	20.2	2.51
ZZ113618		0.26	0.06	7.52	15.8	940	1.35	0.19	2.07	0.21	58.0	12.7	58	4.52	14.2	3.77
ZZ113619		0.34	0.24	8.12	31.6	940	1.51	0.29	1.87	0.16	67.0	12.9	58	21.0	38.3	4.82
ZZ113620		0.36	0.10	7.63	12.1	1150	1.43	0.16	2.23	0.17	65.8	9.2	52	6.73	18.4	3.30
ZZ113621		0.28	0.09	7.49	39.9	960	1.22	0.19	1.87	0.23	42.0	11.0	50	6.67	16.0	4.16
ZZ113622		0.32	0.15	7.17	18.4	860	1.17	0.24	1.63	0.19	51.1	10.4	65	8.14	21.9	4.28
ZZ113623		0.34	0.48	7.71	19.3	1110	1.74	0.35	1.77	0.11	101.0	14.0	53	20.3	48.5	4.56
ZZ113624		0.34	0.06	8.05	11.6	900	1.28	0.17	1.33	0.12	44.6	10.0	32	11.90	17.8	3.95
ZZ113625		0.40	0.10	7.17	9.5	1130	1.38	0.16	1.74	0.12	51.5	7.9	44	15.35	15.7	3.04
ZZ113626		0.36	0.07	7.36	17.2	950	1.36	0.18	2.00	0.16	55.6	11.4	44	15.05	16.3	3.80
ZZ113627		0.34	0.03	7.69	14.3	940	1.37	0.17	2.03	0.17	45.5	14.6	46	6.06	19.1	4.09
ZZ113628		0.36	0.17	6.90	11.7	980	1.31	0.53	2.00	0.13	56.2	9.6	51	9.41	14.3	3.00
ZZ113629		0.36	0.05	8.29	19.3	900	1.39	0.23	1.94	0.23	43.5	18.3	54	12.90	26.4	5.11
ZZ113630		0.32	0.04	8.27	43.5	850	1.30	0.24	1.98	0.16	38.0	16.9	49	11.15	26.0	5.20
ZZ113631		0.42	0.10	5.62	57.0	780	0.95	0.67	1.63	0.12	46.8	7.9	40	5.00	16.5	2.86
ZZ113632		0.36	0.11	7.92	19.3	1070	1.46	0.37	2.06	0.25	53.5	14.6	62	7.58	25.1	4.40
ZZ113633		0.30	0.09	7.88	13.9	1110	1.43	0.17	1.89	0.17	51.3	9.6	71	5.60	25.4	3.74
ZZ113634		0.32	0.06	7.33	10.7	1020	1.21	0.15	1.99	0.15	53.1	8.0	61	3.50	17.2	3.22
ZZ113635		0.40	0.07	7.52	13.5	1040	1.35	0.16	2.01	0.14	47.4	9.1	66	3.98	19.5	3.39
ZZ113636		0.40	0.06	7.48	8.8	1190	1.14	0.12	2.10	0.13	41.7	9.7	86	3.03	21.0	3.26
ZZ113637		0.28	0.09	7.49	9.6	1150	1.42	0.15	2.02	0.22	70.0	15.6	83	3.48	37.5	3.75
ZZ113638		0.26	0.09	7.62	8.8	1210	1.36	0.15	2.01	0.17	47.5	14.3	90	3.07	30.4	3.77
ZZ113639		0.34	0.08	8.06	10.8	1260	1.41	0.15	2.15	0.16	52.2	12.2	104	3.64	28.7	4.19
ZZ113640		0.46	0.10	7.76	12.8	1120	1.52	0.21	2.05	0.21	60.0	11.2	78	4.19	29.8	3.54

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	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113544		17.85	0.14	1.6	0.044	1.55	27.1	16.9	0.86	486	0.82	1.70	8.6	14.3	800	13.7
ZZ113545		17.95	0.14	1.6	0.058	1.44	31.3	18.1	0.93	664	0.94	1.74	10.5	16.9	770	19.8
ZZ113546		19.70	0.14	1.9	0.052	1.42	26.2	18.7	0.95	721	1.53	1.79	11.0	15.6	530	19.0
ZZ113547		18.80	0.17	1.6	0.051	1.55	29.4	20.1	0.95	587	0.85	1.92	10.3	17.1	630	15.2
ZZ113548		15.85	0.11	1.6	0.057	1.55	34.3	18.1	0.82	666	0.74	1.70	10.0	17.7	830	14.8
ZZ113549		16.65	0.12	1.6	0.058	1.52	37.3	21.0	0.92	659	0.69	1.77	10.6	16.5	930	14.0
ZZ113550		15.15	0.09	1.7	0.040	1.55	44.8	16.6	0.87	536	0.53	2.06	9.6	13.0	550	14.1
ZZ113551		15.20	0.08	1.4	0.045	1.53	28.0	17.7	0.90	508	0.55	1.96	9.2	13.7	660	12.2
ZZ113552		16.20	0.10	1.6	0.046	1.53	29.2	20.0	0.97	583	0.54	1.97	9.7	15.3	680	11.8
ZZ113553		16.10	0.09	1.5	0.045	1.66	30.8	23.1	0.80	623	0.84	2.03	10.6	12.3	700	12.8
ZZ113554		15.75	0.09	1.4	0.048	1.53	27.9	25.2	0.87	503	0.64	1.97	9.3	15.3	540	12.0
ZZ113555		16.85	0.09	1.3	0.056	1.61	28.6	27.9	0.91	791	0.76	1.87	10.5	12.6	730	12.1
ZZ113556		18.95	0.07	1.8	0.050	1.91	26.3	19.3	0.75	570	1.17	1.74	9.7	24.0	1180	15.0
ZZ113557		18.30	0.07	1.7	0.055	1.48	31.7	30.7	0.69	1080	0.63	1.52	9.1	16.6	670	14.6
ZZ113558		19.35	0.08	1.7	0.058	1.95	26.0	21.3	0.75	428	0.95	1.67	9.5	24.1	1150	15.0
ZZ113559		17.00	0.10	1.6	0.050	1.54	33.4	25.4	0.80	494	0.61	1.77	9.2	14.8	750	14.6
ZZ113560		15.85	0.11	1.3	0.051	1.52	30.6	19.7	0.81	364	0.56	1.75	8.5	15.6	900	14.0
ZZ113618		16.45	0.08	1.3	0.044	1.49	27.9	25.1	1.06	592	0.88	1.99	10.1	20.0	580	13.5
ZZ113619		20.7	0.13	2.1	0.075	1.23	43.2	27.9	1.01	748	2.08	1.47	8.7	20.7	1170	13.0
ZZ113620		16.55	0.09	1.4	0.056	1.62	35.4	20.9	0.93	526	0.73	2.06	10.0	17.0	860	12.4
ZZ113621		16.85	0.07	1.6	0.046	1.41	21.9	26.9	0.94	579	1.28	1.87	10.3	18.4	710	13.3
ZZ113622		19.10	0.06	2.0	0.058	1.29	26.1	26.8	0.89	537	1.56	1.70	12.2	16.9	360	14.6
ZZ113623		18.40	0.17	1.7	0.061	1.31	96.8	48.9	0.97	762	2.12	1.55	8.8	23.6	830	12.3
ZZ113624		18.80	0.07	1.5	0.054	1.96	23.5	17.7	0.60	691	1.26	1.97	10.2	10.2	650	14.3
ZZ113625		17.05	0.07	1.5	0.049	1.60	28.1	26.3	0.74	464	1.03	1.72	8.7	13.1	500	12.0
ZZ113626		17.95	0.08	1.4	0.058	1.40	32.7	28.3	0.93	611	0.89	1.93	10.0	14.4	520	12.0
ZZ113627		17.30	0.08	1.2	0.047	1.44	21.6	26.7	1.09	658	0.77	2.00	10.7	19.1	510	12.4
ZZ113628		15.55	0.09	1.3	0.040	1.48	30.4	22.4	0.84	615	1.04	1.96	9.7	13.6	610	11.8
ZZ113629		18.85	0.07	1.5	0.064	1.38	22.0	28.8	1.14	853	1.38	1.79	10.8	21.4	650	12.5
ZZ113630		18.60	0.08	1.2	0.055	1.33	18.8	31.9	1.13	922	1.94	1.81	10.8	16.6	660	12.4
ZZ113631		12.40	0.08	1.1	0.033	1.19	26.1	17.9	0.75	494	0.94	1.57	7.7	13.0	570	10.5
ZZ113632		17.85	0.08	1.4	0.057	1.60	26.9	21.6	1.04	767	1.59	1.93	9.7	21.7	1160	13.3
ZZ113633		16.60	0.07	1.4	0.040	1.62	27.8	19.1	0.92	486	0.99	1.91	9.5	19.7	980	13.1
ZZ113634		15.40	0.08	1.4	0.042	1.52	28.1	16.4	0.93	428	0.81	2.03	9.3	16.7	920	12.2
ZZ113635		16.15	0.07	1.4	0.048	1.52	24.9	18.5	0.98	556	0.88	2.00	10.0	17.7	1050	12.3
ZZ113636		15.30	0.07	1.8	0.038	1.69	22.8	13.8	0.94	429	0.72	1.99	8.7	23.7	990	11.9
ZZ113637		15.35	0.09	1.8	0.048	1.48	33.6	16.5	0.93	625	0.90	1.78	8.5	28.4	1070	13.2
ZZ113638		15.55	0.07	2.2	0.051	1.67	23.0	15.6	0.98	597	0.85	1.84	8.6	31.4	920	13.1
ZZ113639		16.95	0.08	1.9	0.051	1.82	28.3	16.1	1.02	549	1.12	2.00	9.9	28.7	1100	13.6
ZZ113640		17.85	0.11	2.0	0.056	1.66	31.0	21.0	0.99	450	1.14	1.98	10.3	24.9	970	14.4

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113544		62.5	<0.002	0.02	0.93	11.8	1	1.5	326	0.62	0.07	6.24	0.366	0.51	1.8	108
ZZ113545		65.9	<0.002	0.02	2.49	12.9	1	1.8	339	0.71	<0.05	7.69	0.426	0.52	2.0	117
ZZ113546		70.0	<0.002	0.02	1.06	12.5	1	1.8	348	0.75	0.05	6.03	0.481	0.54	1.9	127
ZZ113547		64.7	<0.002	0.01	1.04	11.7	1	1.7	376	0.71	<0.05	6.77	0.404	0.44	1.8	101
ZZ113548		65.0	<0.002	0.02	1.49	13.1	1	1.5	329	0.65	<0.05	9.56	0.358	0.48	2.9	93
ZZ113549		62.1	<0.002	0.03	1.88	14.4	1	1.5	347	0.64	<0.05	9.67	0.383	0.46	2.9	106
ZZ113550		56.2	0.002	0.01	1.90	11.1	<1	1.3	382	0.65	<0.05	14.10	0.379	0.37	2.0	86
ZZ113551		56.3	<0.002	0.02	1.30	11.9	1	1.3	363	0.61	<0.05	7.43	0.358	0.39	1.9	91
ZZ113552		58.4	0.002	0.02	1.16	13.8	1	1.4	368	0.65	0.05	8.06	0.377	0.41	2.2	99
ZZ113553		59.3	0.002	0.01	2.82	12.1	<1	1.4	395	0.68	<0.05	7.53	0.405	0.53	1.8	101
ZZ113554		55.8	0.002	0.01	1.45	12.3	1	1.4	369	0.58	<0.05	7.57	0.366	0.46	1.8	92
ZZ113555		57.5	<0.002	0.01	3.46	12.6	<1	1.5	401	0.62	<0.05	7.63	0.429	0.38	1.7	112
ZZ113556		75.2	<0.002	0.01	3.94	15.1	<1	1.6	385	0.59	<0.05	7.48	0.389	0.53	2.0	121
ZZ113557		64.7	<0.002	0.05	2.29	15.0	1	1.5	325	0.62	<0.05	9.20	0.348	0.54	2.2	99
ZZ113558		77.9	<0.002	0.01	4.28	15.7	<1	1.6	379	0.59	<0.05	7.63	0.383	0.58	1.8	124
ZZ113559		66.8	<0.002	0.03	1.78	14.3	1	1.5	339	0.60	<0.05	9.44	0.357	0.55	2.6	98
ZZ113560		66.8	<0.002	0.07	1.46	13.8	1	1.4	348	0.52	<0.05	7.95	0.336	0.42	2.1	101
ZZ113618		55.3	<0.002	0.01	1.33	12.4	1	1.5	362	0.62	<0.05	7.56	0.403	0.36	1.8	109
ZZ113619		56.9	<0.002	0.04	1.74	19.2	1	1.7	310	0.56	0.07	9.78	0.389	0.68	3.0	148
ZZ113620		58.0	<0.002	0.02	3.19	13.3	1	1.4	379	0.65	0.05	8.44	0.387	0.44	2.0	100
ZZ113621		53.0	<0.002	0.01	2.59	11.9	1	1.4	345	0.63	0.05	6.08	0.386	0.44	1.8	112
ZZ113622		64.8	<0.002	0.01	2.72	12.4	<1	1.8	289	0.85	0.05	6.30	0.498	0.55	2.1	145
ZZ113623		55.3	<0.002	0.02	2.47	26.1	2	1.6	305	0.54	0.06	11.40	0.369	0.58	4.4	133
ZZ113624		67.9	<0.002	0.01	3.14	11.0	1	1.4	308	0.60	<0.05	5.56	0.359	0.38	1.8	115
ZZ113625		63.9	<0.002	0.02	2.10	13.1	1	1.4	314	0.53	<0.05	5.57	0.355	0.44	1.8	100
ZZ113626		64.1	<0.002	0.01	2.51	15.7	1	1.5	363	0.61	<0.05	6.02	0.421	0.37	2.0	124
ZZ113627		61.1	<0.002	0.01	2.44	12.2	<1	1.5	385	0.65	<0.05	5.85	0.432	0.41	1.6	115
ZZ113628		55.1	<0.002	0.01	1.50	12.3	<1	1.4	356	0.63	0.07	6.98	0.376	0.46	1.9	101
ZZ113629		60.3	<0.002	0.01	2.47	15.0	1	1.8	344	0.64	0.06	5.95	0.477	0.46	2.1	148
ZZ113630		46.6	<0.002	0.04	6.49	14.9	1	1.7	353	0.64	<0.05	5.17	0.451	0.41	1.7	146
ZZ113631		41.7	<0.002	0.01	1.22	10.4	<1	1.2	293	0.49	0.08	6.51	0.313	0.32	1.5	88
ZZ113632		61.7	<0.002	0.02	3.25	15.5	1	1.6	385	0.57	0.08	6.84	0.445	0.49	2.1	136
ZZ113633		61.3	<0.002	0.02	2.74	13.6	1	1.5	382	0.60	0.05	7.15	0.411	0.42	2.0	118
ZZ113634		54.7	<0.002	0.01	1.98	11.9	<1	1.3	406	0.57	<0.05	6.87	0.403	0.36	1.7	111
ZZ113635		56.1	<0.002	0.02	2.38	13.0	1	1.4	401	0.60	<0.05	6.20	0.434	0.43	1.7	118
ZZ113636		56.5	<0.002	0.01	1.36	11.6	<1	1.2	456	0.55	<0.05	6.35	0.381	0.36	1.6	105
ZZ113637		51.1	<0.002	0.03	1.64	15.2	1	1.2	396	0.53	0.06	7.35	0.380	0.43	2.1	116
ZZ113638		58.9	<0.002	0.01	1.50	13.5	<1	1.2	424	0.53	<0.05	6.84	0.384	0.40	2.1	117
ZZ113639		64.9	<0.002	0.02	1.80	14.9	<1	1.3	457	0.59	<0.05	7.30	0.425	0.42	1.9	126
ZZ113640		64.1	<0.002	0.02	1.95	15.2	1	1.5	402	0.65	<0.05	8.29	0.416	0.45	2.3	116

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.005
ZZ113544		1.0	15.7	61	51.6	0.005
ZZ113545		1.2	16.6	67	53.9	<0.005
ZZ113546		1.3	14.8	67	63.1	<0.005
ZZ113547		1.0	15.9	68	51.6	<0.005
ZZ113548		1.0	24.9	58	48.0	<0.005
ZZ113549		1.1	23.1	62	52.0	<0.005
ZZ113550		0.9	16.0	52	47.6	<0.005
ZZ113551		0.8	17.0	55	44.5	<0.005
ZZ113552		0.8	18.6	62	47.2	<0.005
ZZ113553		1.3	16.8	60	44.5	<0.005
ZZ113554		1.0	16.6	55	43.4	<0.005
ZZ113555		1.5	16.1	78	38.9	<0.005
ZZ113556		1.7	16.0	96	56.0	0.006
ZZ113557		2.1	20.8	71	53.0	<0.005
ZZ113558		2.0	15.8	95	55.9	0.005
ZZ113559		1.7	22.1	63	49.4	0.005
ZZ113560		0.8	19.2	73	41.4	<0.005
ZZ113618		1.1	14.8	70	41.0	<0.005
ZZ113619		1.4	31.6	79	69.1	0.011
ZZ113620		1.6	21.8	60	45.5	0.006
ZZ113621		2.4	14.4	79	47.1	<0.005
ZZ113622		1.5	13.3	71	64.1	<0.005
ZZ113623		2.6	54.1	70	53.0	0.037
ZZ113624		2.8	12.8	81	45.5	<0.005
ZZ113625		1.5	18.8	59	46.7	0.005
ZZ113626		2.4	22.6	73	41.9	0.006
ZZ113627		1.7	15.3	77	36.5	<0.005
ZZ113628		1.1	18.4	56	40.3	0.016
ZZ113629		1.5	15.4	92	47.9	<0.005
ZZ113630		16.9	17.3	88	36.4	0.022
ZZ113631		1.9	15.3	51	31.3	0.042
ZZ113632		1.9	20.0	94	42.8	0.016
ZZ113633		1.4	15.5	76	44.3	<0.005
ZZ113634		1.0	14.3	78	54.6	<0.005
ZZ113635		1.2	14.9	85	44.5	0.005
ZZ113636		0.9	11.7	72	57.6	0.027
ZZ113637		1.0	22.7	73	60.6	<0.005
ZZ113638		0.8	15.6	74	70.2	<0.005
ZZ113639		1.0	15.2	86	67.4	<0.005
ZZ113640		1.3	18.3	75	63.0	0.005

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VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
ZZ113641		0.32	0.11	8.37	15.4	1180	1.50	0.19	2.19	0.23	62.7	14.7	81	5.00	33.9	4.29
ZZ113751		0.44	0.11	7.46	6.7	1230	1.38	0.15	2.24	0.17	65.7	12.3	51	5.17	17.2	3.22
ZZ113752		0.40	0.17	7.64	8.7	1260	1.67	0.20	2.21	0.15	77.4	10.2	56	6.00	22.4	3.45
ZZ113753		0.42	0.13	7.66	7.9	1140	1.38	0.17	2.13	0.11	55.4	9.6	51	5.04	17.4	3.34
ZZ113754		0.48	0.07	7.49	6.9	1070	1.58	0.14	2.33	0.11	78.8	9.1	47	4.11	11.1	3.34
ZZ113755		0.52	0.04	7.36	6.9	1120	1.44	0.12	2.23	0.09	65.1	8.6	47	3.34	13.1	3.01
ZZ113756		0.58	0.09	7.64	7.7	1120	1.37	0.15	2.11	0.06	66.3	11.0	51	5.20	14.8	3.12
ZZ113757		0.44	0.05	7.37	7.8	1120	1.49	0.21	2.23	0.13	55.9	8.2	48	3.98	11.4	2.91
ZZ113758		0.50	2.32	7.65	81.6	970	1.62	0.30	2.57	1.02	82.6	11.9	61	14.35	16.4	3.93
ZZ113759		0.70	3.99	7.75	84.3	1130	1.70	1.11	2.33	3.22	79.5	16.6	46	26.3	24.3	3.64
ZZ113760		0.80	0.39	9.88	24.5	1110	2.04	0.77	0.82	0.38	40.4	10.7	49	29.4	4.6	3.25
ZZ113765		0.26	0.07	7.42	9.0	940	1.52	0.15	1.99	0.13	54.8	10.6	51	3.07	13.0	2.98
ZZ113766		0.32	0.04	9.28	6.7	1710	1.29	0.12	0.74	0.05	44.4	8.2	19	11.15	11.2	3.52
ZZ113767		0.26	0.04	7.47	8.4	980	1.36	0.16	1.86	0.12	52.3	9.9	54	3.86	14.8	3.29
ZZ113768		0.52	0.08	7.78	4.4	1040	1.35	0.15	2.17	0.10	55.7	11.1	53	4.80	20.4	2.94
ZZ113769		0.30	0.10	7.40	8.0	1100	1.66	0.16	2.26	0.10	65.6	10.4	53	3.95	19.5	3.15
ZZ113770		0.38	0.08	7.06	4.2	1050	1.33	0.11	2.21	0.07	56.0	8.3	40	5.91	13.6	2.56
ZZ113771		0.28	0.11	7.03	5.8	1270	1.30	0.14	2.24	0.18	51.4	9.4	50	3.97	15.6	2.84
ZZ113772		0.34	0.05	7.67	7.5	1220	1.38	0.13	2.14	0.13	57.3	9.6	51	5.33	15.3	3.31
ZZ113773		0.38	0.10	8.25	8.9	1250	1.54	0.15	2.36	0.11	65.6	12.1	51	7.94	17.5	3.91
ZZ113774		0.34	0.10	7.33	6.8	1230	1.54	0.16	2.26	0.15	62.9	10.1	52	4.70	17.7	3.02
ZZ113775		0.22	0.11	8.18	9.7	1320	1.80	0.14	2.02	0.06	59.4	11.0	47	12.40	19.5	3.83
ZZ113776		0.34	0.05	7.55	7.6	1150	1.52	0.14	2.30	0.12	63.4	9.0	50	7.87	10.2	3.11
ZZ113777		0.40	0.09	7.64	8.0	1230	1.48	0.13	2.30	0.16	56.7	9.7	48	10.30	16.7	3.10
ZZ113778		0.24	0.07	7.58	6.4	1190	1.33	0.11	2.24	0.13	62.1	7.8	45	5.04	12.3	3.00
ZZ113779		0.38	0.11	8.05	6.8	1210	1.47	0.14	2.19	0.13	60.4	10.3	48	7.97	15.6	3.49
ZZ113780		0.26	0.08	7.57	6.9	1030	1.36	0.16	2.09	0.12	49.7	10.6	50	4.46	18.1	3.19
ZZ113781		0.34	0.07	7.51	5.5	1010	1.31	0.15	2.08	0.12	59.6	9.0	48	5.10	16.7	3.11
ZZ113782		0.36	0.09	7.69	6.2	1210	1.57	0.24	2.11	0.11	62.6	9.4	48	7.78	16.3	3.07
ZZ113783		0.32	0.03	7.16	3.6	1030	1.47	0.10	2.21	0.12	51.3	8.3	39	2.21	9.2	2.47
ZZ113784		0.24	0.12	7.61	10.3	980	1.54	0.16	1.99	0.12	62.4	11.5	54	3.92	12.3	3.30

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VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ZZ113641		19.10	0.11	2.0	0.057	1.77	34.2	22.3	1.10	695	1.92	2.13	10.6	31.1	1080	17.8
ZZ113751		16.75	0.10	1.6	0.046	1.65	35.7	19.0	0.91	735	0.80	2.05	9.5	16.1	900	14.2
ZZ113752		17.10	0.10	1.6	0.048	1.64	47.7	20.7	0.97	592	0.75	1.97	10.3	18.8	840	14.3
ZZ113753		17.40	0.09	1.8	0.049	1.62	29.6	19.3	0.94	600	0.96	2.04	10.2	16.1	890	14.9
ZZ113754		16.35	0.11	1.6	0.044	1.71	40.8	15.9	0.92	646	0.71	2.15	10.9	13.4	890	14.5
ZZ113755		15.70	0.11	1.3	0.038	1.67	33.8	17.0	0.89	568	0.67	2.13	9.7	15.2	840	13.5
ZZ113756		16.75	0.08	1.7	0.043	1.61	35.2	20.7	0.94	649	0.77	2.08	9.9	15.6	770	20.2
ZZ113757		15.40	0.08	1.5	0.044	1.67	29.0	15.9	0.89	539	0.75	2.21	9.8	14.6	830	19.2
ZZ113758		16.35	0.10	2.2	0.057	1.73	42.7	20.8	1.00	1260	0.71	1.96	12.8	17.7	920	85.0
ZZ113759		17.45	0.09	1.8	0.122	1.89	42.4	28.7	0.89	1450	0.86	1.82	11.5	15.0	850	273
ZZ113760		20.3	0.07	2.5	0.120	2.41	16.4	47.8	0.90	858	0.26	0.25	11.5	18.6	590	31.8
ZZ113765		15.90	0.10	1.4	0.044	1.53	26.7	18.9	0.93	486	0.61	1.99	9.7	19.8	580	14.1
ZZ113766		19.30	0.07	2.9	0.070	2.24	18.6	58.4	0.98	1030	0.78	1.11	8.0	7.3	470	11.8
ZZ113767		16.55	0.08	1.5	0.047	1.53	26.0	21.2	0.95	539	0.81	1.93	10.0	17.3	660	13.8
ZZ113768		17.20	0.10	1.7	0.049	1.54	28.7	22.8	1.07	554	0.51	2.03	10.3	19.0	770	12.4
ZZ113769		16.30	0.09	1.7	0.045	1.46	32.8	20.7	0.96	653	0.60	2.04	10.1	19.4	760	13.4
ZZ113770		14.95	0.10	1.6	0.037	1.44	29.7	18.6	0.82	550	0.66	1.98	9.3	12.9	720	11.1
ZZ113771		15.40	0.09	1.4	0.045	1.49	26.1	20.5	0.90	585	0.57	1.95	9.1	16.8	840	12.4
ZZ113772		17.25	0.08	1.5	0.049	1.60	29.1	23.4	0.96	589	0.74	2.00	10.1	16.6	500	13.3
ZZ113773		17.70	0.10	1.5	0.052	1.78	34.3	24.1	0.89	636	1.03	1.95	9.6	14.8	1030	14.3
ZZ113774		16.45	0.09	1.5	0.041	1.58	32.8	21.7	0.89	561	0.61	1.98	10.0	18.2	670	13.4
ZZ113775		18.70	0.12	1.6	0.057	1.58	32.2	35.4	0.82	714	0.77	1.76	9.1	18.4	950	14.1
ZZ113776		16.65	0.08	1.4	0.049	1.62	34.1	26.9	0.87	530	0.51	2.03	10.9	15.5	720	13.3
ZZ113777		16.65	0.09	1.5	0.046	1.71	29.9	39.6	0.86	595	0.63	1.97	9.2	16.9	670	12.6
ZZ113778		16.10	0.10	1.3	0.047	1.64	32.6	22.6	0.83	509	0.67	2.08	9.3	14.1	830	12.4
ZZ113779		18.25	0.09	1.7	0.052	1.74	32.6	19.6	0.88	644	0.73	1.97	9.2	15.3	780	13.3
ZZ113780		17.10	0.09	1.5	0.043	1.50	24.9	21.3	0.95	631	0.75	1.95	9.0	17.3	600	12.8
ZZ113781		15.80	0.10	1.6	0.046	1.42	31.2	20.0	0.96	570	0.59	2.01	9.1	14.2	590	13.0
ZZ113782		16.80	0.10	1.8	0.043	1.65	32.5	22.0	0.93	600	0.72	2.09	9.7	14.7	560	14.4
ZZ113783		15.05	0.09	1.4	0.036	1.62	26.1	14.6	0.79	479	0.59	2.27	8.3	12.9	580	12.3
ZZ113784		16.35	0.10	1.4	0.042	1.54	31.3	21.7	0.98	524	0.73	1.95	10.3	18.9	580	14.5

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CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ZZ113641		69.5	<0.002	0.02	2.27	17.4	1	1.5	444	0.73	<0.05	7.85	0.448	0.51	2.9	133
ZZ113751		64.8	<0.002	0.04	1.22	13.1	1	1.4	411	0.64	0.06	9.15	0.379	0.45	2.3	95
ZZ113752		66.9	<0.002	0.02	1.39	16.6	1	1.5	389	0.73	<0.05	9.03	0.407	0.43	2.9	104
ZZ113753		64.0	<0.002	0.03	1.29	12.9	<1	1.5	398	0.72	<0.05	8.80	0.389	0.47	2.2	100
ZZ113754		58.2	<0.002	0.01	2.16	13.2	1	1.5	437	0.72	<0.05	9.16	0.438	0.37	2.2	106
ZZ113755		59.5	<0.002	0.01	1.06	11.4	1	1.4	404	0.65	<0.05	8.10	0.373	0.39	1.9	90
ZZ113756		61.2	<0.002	0.02	1.01	12.3	1	1.4	395	0.66	<0.05	8.09	0.394	0.45	2.1	98
ZZ113757		58.1	<0.002	0.01	1.16	11.0	1	1.3	408	0.69	<0.05	6.70	0.381	0.48	1.9	86
ZZ113758		73.5	<0.002	0.01	12.05	16.1	1	1.5	378	0.86	<0.05	10.60	0.510	0.81	3.1	120
ZZ113759		86.1	<0.002	0.02	17.15	13.8	1	1.8	350	0.88	0.05	12.60	0.416	1.04	3.9	102
ZZ113760		79.9	<0.002	<0.01	19.60	12.1	<1	2.9	73.7	1.11	<0.05	17.70	0.237	1.30	3.5	81
ZZ113765		58.1	<0.002	0.02	0.89	11.5	<1	1.4	356	0.66	<0.05	6.58	0.356	0.50	1.8	87
ZZ113766		93.3	<0.002	0.02	4.86	13.3	1	2.3	193.0	0.55	0.10	6.13	0.410	0.61	2.2	128
ZZ113767		59.1	<0.002	0.02	1.01	11.6	1	1.5	338	0.71	<0.05	6.23	0.384	0.44	1.9	100
ZZ113768		61.3	<0.002	0.02	0.68	13.7	1	1.5	372	0.71	<0.05	8.75	0.401	0.43	2.2	97
ZZ113769		56.0	<0.002	0.02	1.22	14.2	1	1.4	374	0.73	<0.05	7.68	0.375	0.43	2.6	95
ZZ113770		53.4	<0.002	0.02	1.18	11.5	<1	1.2	378	0.69	<0.05	6.50	0.327	0.37	1.9	80
ZZ113771		57.2	<0.002	0.03	0.99	12.0	1	1.4	368	0.64	<0.05	6.51	0.358	0.41	2.2	85
ZZ113772		61.7	<0.002	0.01	1.69	12.9	1	1.5	383	0.71	<0.05	7.47	0.397	0.42	1.9	102
ZZ113773		69.6	<0.002	0.04	2.75	16.0	1	1.5	404	0.65	<0.05	7.60	0.403	0.45	2.3	118
ZZ113774		63.6	<0.002	0.02	1.30	13.6	1	1.5	371	0.71	<0.05	7.50	0.370	0.45	2.3	93
ZZ113775		65.2	<0.002	0.04	2.60	15.5	1	1.5	356	0.62	0.05	6.95	0.365	0.53	2.5	112
ZZ113776		65.1	<0.002	0.01	1.77	12.9	1	1.5	390	0.73	<0.05	7.74	0.391	0.49	2.0	95
ZZ113777		68.1	<0.002	0.02	1.65	13.3	1	1.4	381	0.63	<0.05	7.07	0.348	0.50	1.9	93
ZZ113778		61.8	0.002	0.02	1.48	12.3	1	1.4	397	0.65	<0.05	7.21	0.372	0.43	1.9	90
ZZ113779		69.2	<0.002	0.03	1.54	14.2	1	1.4	386	0.63	<0.05	7.54	0.387	0.48	2.2	100
ZZ113780		63.1	<0.002	0.02	1.00	12.8	<1	1.4	371	0.63	<0.05	6.40	0.364	0.45	1.8	101
ZZ113781		55.6	<0.002	0.02	1.30	12.7	<1	1.3	367	0.62	0.08	7.46	0.389	0.42	2.0	101
ZZ113782		63.7	<0.002	0.01	1.55	12.2	<1	1.5	390	0.66	<0.05	8.25	0.395	0.44	2.2	95
ZZ113783		55.4	<0.002	0.01	0.76	10.1	1	1.1	419	0.59	<0.05	5.60	0.302	0.39	1.6	75
ZZ113784		59.6	<0.002	0.01	0.88	12.4	1	1.5	352	0.70	0.05	7.67	0.375	0.40	1.9	98

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-SEP-2016
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH16144495

Sample Description	Method / Analyte / Units / LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
ZZ113641		1.3	25.2	104	65.5	0.006
ZZ113751		1.0	18.6	73	49.9	<0.005
ZZ113752		1.5	32.5	71	52.1	0.006
ZZ113753		2.1	16.8	69	52.1	0.007
ZZ113754		1.3	20.0	61	46.2	<0.005
ZZ113755		1.0	17.4	58	41.9	<0.005
ZZ113756		0.8	16.6	67	55.9	0.015
ZZ113757		0.8	16.8	64	43.6	0.008
ZZ113758		2.2	25.8	178	62.1	0.076
ZZ113759		1.6	26.0	519	54.2	0.072
ZZ113760		3.5	16.4	83	73.7	<0.005
ZZ113765		0.8	14.9	58	41.8	0.010
ZZ113766		1.0	13.0	50	96.6	<0.005
ZZ113767		0.9	14.2	60	48.8	<0.005
ZZ113768		0.9	16.2	59	51.9	0.011
ZZ113769		1.0	22.0	60	45.7	0.005
ZZ113770		0.7	18.1	49	43.5	0.008
ZZ113771		0.8	15.7	59	44.7	0.009
ZZ113772		1.1	15.3	65	46.8	<0.005
ZZ113773		3.0	24.1	71	44.9	<0.005
ZZ113774		1.3	19.7	59	44.6	0.005
ZZ113775		1.5	26.1	71	44.8	0.008
ZZ113776		1.2	19.5	62	41.3	<0.005
ZZ113777		1.2	20.5	61	43.7	<0.005
ZZ113778		1.1	18.8	65	38.5	<0.005
ZZ113779		1.1	20.8	70	50.3	0.010
ZZ113780		0.8	15.0	63	46.9	<0.005
ZZ113781		0.7	16.2	56	50.4	0.008
ZZ113782		0.9	17.8	60	61.3	<0.005
ZZ113783		1.6	14.8	47	38.4	<0.005
ZZ113784		0.8	17.1	60	45.5	<0.005

***** See Appendix Page for comments regarding this certificate *****

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Project: Klaza

Finalized Date: 23-SEP-2016
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH16144495

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 LOG-22 ME-MS61 SCR-41
WEI-21

APPENDIX V

GEOLOGICAL AND GEOTECHNICAL LOGS

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383027	6889501	1434.17	191.33

ZONE: Herc

SECTION:

HOLE: KL-16-295

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 4m, Out

Drilling Dates: Jun 23 - Jun 26, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	33	-49.9	Reflex
191.1	36.9	-50.1	Reflex

TARGET: Herc

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4	4	CAS
4	10.54	6.54	QFP
10.54	20.7	10.16	GRD
20.7	28.73	8.03	GRD
28.73	34.52	5.79	GRD
34.52	42.83	8.31	GRD
42.83	54.05	11.22	GRD
54.05	58.09	4.04	GRD
58.09	62.38	4.29	GRD
62.38	74.7	12.32	GRD
74.7	80.24	5.54	GRD
80.24	94.87	14.63	GRD
94.87	96.34	1.47	GRD
96.34	97.82	1.48	GRD
97.82	110.66	12.84	GRD
110.66	123.73	13.07	GRD

SAMPLES	
Numbers:	K291901 to K292016, K292701
Total:	117
Batch:	001, 002, 003, 005, 006
Certificates:	TR16108378, VA16104643, VA16104644, VA16104645, VA16104646

COMMENTS

123.73	125.36	1.63	GRD
125.36	128.98	3.62	GRD
128.98	134.92	5.94	GRD
134.92	136.48	1.56	GRD
136.48	137.8	1.32	-?-
137.8	141.4	3.6	GRD
141.4	161.07	19.67	GRD
161.07	164.88	3.81	GRD
164.88	170.64	5.76	GRD
170.64	172.22	1.58	GRD
172.22	176.8	4.58	GRD
176.8	179.09	2.29	GRD
179.09	182.42	3.33	GRD
182.42	188.01	5.59	GRD
188.01	191.33	3.32	GRD

Box Log

KL-16-295

Klaza
Herc Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	8.11
2	8.11	12.57
3	12.57	17.1
4	17.1	21.2
5	21.2	25.72
6	25.72	29.64
7	29.64	34
8	34	37.94
9	37.94	42.47
10	42.47	46.26
11	46.26	50.41
12	50.41	54.59
13	54.59	58.77
14	58.77	62.77
15	62.77	66.94
16	66.94	70.92
17	70.92	75.29
18	75.29	79.91
19	79.91	83.89
20	83.89	87.98
21	87.98	92.06
22	92.06	96.43
23	96.43	100.3
24	100.3	104.35
25	104.35	108.53
26	108.53	112.83
27	112.83	116.96
28	116.96	121.25
29	121.25	125.58
30	125.58	129.55
31	129.55	133.68
32	133.68	137.35
33	137.35	141.4
34	141.4	145.55
35	145.55	149.55
36	149.55	153.76
37	153.76	157.91
38	157.91	162.19
39	162.19	166.5
40	166.5	170.74
41	170.74	175
42	175	178.92
43	178.92	183.3
44	183.3	187.47
45	187.47	191.33

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-295									
	33.03	16	NQ2	GRD	902.3	580.8	2.66	2.8	Grey quartz vein hosting disseminated pyrite and galena. Weakly gouge altered.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.00	10.54	6.54	QFP	FG	Moderately oxidized light grey/green quartz feldspar porphyry dyke with patchy strong oxidation and moderate to strong oxidation along fracture surfaces.							
						MD	OR					
						LT	GY	PO	OXI	2I		
						LT	GN		OXI	3I		
10.54	14.00	3.46	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Fractures are strongly oxidized.							
						MD	GY	FR	OXI	3I		
						MD	PK		PRO	2I		
						MD	OR		POT	2I		
						DK	GN		OXI	4I		
14.00	18.34	4.34	GRD	MG	Moderate argillic potassic alterations around white carbonate +/- quartz stringers and veinlets. Fractures and argillic alteration are strongly oxidized.							
						MD	PK		POT	3I		
						MD	OR		OXI	4I		
						LT	WH		ARG	3I		
18.34	20.70	2.36	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Fractures are strongly oxidized.							
						MD	OR		POT	2I		
						MD	PK		PRO	2I		
						MD	GY		OXI	3I		
						DK	GN		OXI	4I		
20.70	26.44	5.74	GRD	MG	Unaltered to trace propyllitic/potassic altered granodiorite with small patches of rubbly moderately oxidized moderate argillic alteration. Moderate oxidation along all fracture surfaces.							
						MD	GY	PA	ARG	3I		
						MD	OR					
						LT	WH	RB	OXI	3I		
26.44	27.48	1.04	GRD	MG	Moderate phyllic envelope around a oxidized quartz/carbonate/pyrite vein. Patchy moderate to strong oxidation throughout envelope.							
						MD	GN	EN	OXI	4I		
						LT	GN		PHC	3I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
27.48	28.73	1.25	GRD	MG	Unaltered to trace propyllitic/potassic altered granodiorite with small patches of rubbly moderately oxidized moderate argillic alteration. Moderate oxidation along all fracture surfaces.							
						MD	OR					
						MD	GY		ARG	3I		
						LT	WH		OXI	3I		
28.73	34.52	5.79	GRD	MG	Multiple phyllic envelopes around polymetallic quartz carbonate vein transitioning to oxidized weak argillic/phyllic alteration distally from veins. Weak to moderate oxidation along fracture surfaces. Trace disseminated pyrite in phyllic envelopes.							
						MD	GN	EN	PHC	3I	Py	0.1
						MD	GN		ARG	2I		
						LT	GN		PHC	2I		
						LT	WH		OXI	2I		
									OXI	3I		
34.52	42.83	8.31	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy weak argillic alteration.							
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	2I		
						MD	GN		POT	2I		
						LT	WH					
42.83	54.05	11.22	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak to moderate argillic +/- potassic alteration.							
						MD	GN		PHC	3I		
						MD	PK		POT	3I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	3I		
									ARG	2I		
54.05	58.09	4.04	GRD	MG	Alternating patches of weak phyllic/propyllitic alteration and weak propyllitic/potassic alteration. Patchy weak argillic alteration and moderate oxidation throughout.							
						MD	PK					
						MD	GN		PHC	2I		
						MD	PK		ARG	2I		
						LT	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		OXI	3I		
						DK	GN		POT	2I		
58.09	62.38	4.29	GRD	MG	Vein zone of moderate phyllic and weak propyllitic altered granodiorite. Host multiple polymetallic quartz/carbonate/sulphide veins and disseminated pyrite throughout the interval.Weakly oxidized.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I	Py	1
						LT	OR		OXI	2I		
62.38	74.70	12.32	GRD	MG	Alternating patches of weak to moderate argillic/potassic/propyllitic alteration and phyllic overprinted argillic alteration. Weak to moderate oxidation along fracture surfaces.							
						MD	GN		PHC	2I		
						MD	PK		PRO	3I		
						LT	WH	PA	PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		POT	2I		
									ARG	2I		
									ARG	3I		
									OXI	2I		
									OXI	3I		
									POT	3I		
74.70	74.83	0.13	GRD	MG	Moderate to strongly silicified phyllic?/propyllitic? Altered granodiorite. Silicification patially obliterates rock textures. Hosts disseminated to blebby pyrite and tourmaline.							
						MD	GY		SIL	4I	To	10
						MD	GN		PHC	3I	Py	5
						DK	GN		PRO	3I		
									SIL	3I		
74.83	76.05	1.22	GRD	MG	Strongly silicified phyllic?/propyllitic? Altered granodiorite. Silicification partially obliterates rock textures. Hosts disseminated to blebby pyrite and tourmaline.							
						MD	GN		PHC	3I		
						MD	GY		SIL	4I		
						DK	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
76.05	80.24	4.19	GRD	MG	Moderate to strongly silicified phyllic?/propyllitic? Altered granodiorite. Silicification partially obliterates rock textures. Hosts disseminated to blebby pyrite and tourmaline.							
						MD	GY		SIL	4I	To	10
						MD	GN		PHC	3I	Py	3
						DK	GN		PRO	3I		
									SIL	3I		
80.24	82.20	1.96	GRD	MG	Weakly phyllic overprinted argillic alteration.							
						MD	GY					
						MD	GN		ARG	2I		
						LT	GN	FR	PHC	2I		
						LT	WH		ARG	3I		
82.20	86.16	3.96	GRD	MG	Primarily weakly oxidized moderately silicified moderate phyllic altered granodiorite.							
						MD	GN		OXI	2I		
						MD	GY					
						LT	GN		SIL	3I		
						LT	OR		PHC	3I		
86.16	86.53	0.37	GRD	MG	Strongly silicified moderate phyllic altered granodiorite hosting disseminated to blebby black tourmaline.							
						MD	GN		PHC	3I		
						MD	GY					
						LT	GN		SIL	4I	To	15
86.53	89.12	2.59	GRD	MG	Weakly phyllic overprinted argillic alteration.							
						MD	GN		ARG	2I		
						MD	GY					
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
89.12	90.79	1.67	GRD	MG	Strongly silicified moderate phyllic envelope surrounding a small polymetallic smokey quartz vein zone at 90.08m. Hosts trace disseminated pyrite.							
						MD	GN		SIL	4I		
						MD	GY					
						LT	GN	EN	PHC	3I	Py	0.1
90.79	94.87	4.08	GRD	MG	Weakly phyllic overprinted argillic/propyllitic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		ARG	3I		
						LT	GN		PHC	2I		
						LT	WH					
						DK	GN		PRO	3I		
94.87	96.34	1.47	GRD	MG	Partially gouge altered, moderately to strongly silicified phyllic altered granodiorite. Hosts disseminated to blebby black tourmaline and disseminated pyrite. Silicification partially obliterates rock textures.							
						MD	GY		SIL	4I	To	10
						LT	GN		PHC	3I	Py	1
						LT	GY					
96.34	97.82	1.48	GRD	MG	Weakly oxidized gouge zone.							
						LT	GY		OXI	2I		
						LT	OR					
97.82	110.66	12.84	GRD	MG	Alternating patches of silicified phyllic alteration and weakly phyllic overprinted argillic alteration. Patchy partial gouge alteration throughout.							
						MD	GN		PHC	2I		
						MD	GY		ARG	3I		
						LT	GN	PA	PHC	3I	To	2
110.66	117.38	6.72	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Occasional patches of weakly phyllic overprinted argillic/potassic alteration.							
						LT	GY		PRO	2I		
						LT	PK					
						DK	GN		POT	3I		
117.38	120.21	2.83	GRD	MG	Weakly phyllic overprinted argillic/potassic alteration.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
									POT	2I		
120.21	123.73	3.52	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						LT	GY		PRO	2I		
						LT	PK					
						DK	GN		POT	3I		
123.73	125.36	1.63	GRD	MG	Silicified moderate phyllic/propyllitic envelope around Smokey quartz/carbonate/pyrite breccia. Additionally the envelope hosts multiple quartz/pyrite veinlets and stringers.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I	Py	0.1
						LT	GY		PRO	2I		
125.36	128.98	3.62	GRD	MG	Phyllic overprinted argillic alteration with moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
						LT	GN	FR	PHC	2I		
						LT	WH		ARG	3I		
128.98	134.92	5.94	GRD	MG	Alternating patches of weakly phyllic overprinted argillic alteration and moderately silicified moderate phyllic altered granodiorite. Moderate to strong oxidation along fracture surfaces. Interval is very rubbly.							
						MD	GN		OXI	3I		
						MD	OR		PHC	2I		
						LT	GN	RB	ARG	3I		
									PHC	3I		
134.92	136.48	1.56	GRD	MG	Partially to significantly gouge altered moderately phyllic altered granodiorite. Hosts disseminated pyrite. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY	RB	PHC	3I	Py	1
137.80	141.40	3.60	GRD	MG	Weak to moderately silicified moderately phyllic altered granodiorite . Host multiple quartz/carbonate/sulphide veins and small gouge zones.							
						MD	GN					
						MD	GY		SIL	3I		
						LT	GY		SIL	2I		
						LT	GN		PHC	3I	Py	1
142.34	146.66	4.32	GRD	MG	Alternating patches of weak to moderate phyllic alteration, phyllic overprinted argillic alteration and argillic/potassic alteration.							
						MD	PK		PHC	2I		
						LT	WH	PA	PHC	3I		
						LT	GN		ARG	3I		
						DK	GN		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
146.66	148.10	1.44	GRD	MG	weakly potassic and moderately propyllitic altered granodiorite. Interval is fairly rubbly							
						MD	GY					
						MD	PK		POT	2I		
						DK	GN	RB	PRO	3I		
148.10	150.10	2.00	GRD	MG	Weakly phyllic and potassic overprinted moderately argillic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
150.10	153.02	2.92	GRD	MG	Weakly silicified moderate phyllic envelope quartz/carbonate/sulphide veins.							
						LT	GN	EN	PHC	3I		
									SIL	2I		
153.02	161.07	8.05	GRD	MG	Weakly propyllitic and potassic altered granodiorite with occasional patches of weak argillic alteration.							
						MD	GY		ARG	2I		
						MD	PK		POT	2I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
161.07	164.88	3.81	GRD	MG	Moderate to strongly silicified moderate phyllic envelope. Hosts multiple quartz/carbonate/sulphide veins and disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
						LT	GY		SIL	3I		
									SIL	4I		
164.88	170.64	5.76	GRD	MG	weakly propyllitic and potassic altered granodiorite							
						MD	GY		POT	2I		
						MD	PK					
						DK	GN		PRO	2I		
170.64	172.22	1.58	GRD	MG	Weakly silicified moderate phyllic and weak propyllitic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	PRO	3I		
172.22	176.80	4.58	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
176.80	179.09	2.29	GRD	MG	Silicified phyllic/propyllitic envelope around a quartz/carbonate/sulphide vein. Envelope transitions to argillic/potassic alteration distally from vein.							
						MD	PK		POT	3I		
						MD	GN		PRO	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
179.09	182.42	3.33	GRD	MG	Weakly propyllitic and potassic altered granodiorite							
						MD	GY		POT	2I		
						MD	PK					
						DK	GN		PRO	2I		
182.42	188.01	5.59	GRD	MG	Moderate phyllic envelopes around a quartz/pyrite veining and quartz/carbonate/sulphide vein. Phyllic alteration transitions to argillic/potassic alteration distally from veining.							
						MD	PK		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	4.00	4.00	CAS	--	Casing							
									---	--		
4.00	10.54	6.54	QFP	FG	Moderately oxidized light grey/green quartz feldspar porphyry dyke with patchy strong oxidation and moderate to strong oxidation along fracture surfaces.							
						LT	GY	PO	OXI	2I		
						LT	GN		OXI	3I		
						MD	OR					
10.54	20.70	10.16	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy moderate argillic potassic alterations around white carbonate +/- quartz stringers and veinlets. Fractures and argillic alteration are strongly oxidized.							
									ARG	3I		
						MD	GY	FR	OXI	3I		
						DK	GN		OXI	4I		
						MD	PK		PRO	2I		
						MD	OR		POT	3I		
						LT	WH		POT	2I		
20.70	28.73	8.03	GRD	MG	Unaltered to trace propyllitic/potassic altered granodiorite with small patches of rubbly moderately oxidized moderate argillic alteration. Moderate oxidation along all fracture surfaces.							
						MD	OR					
						LT	WH	RB	OXI	3I		
						MD	GY	PA	ARG	3I		
28.73	34.52	5.79	GRD	MG	Multiple phyllic envelopes around polymetallic quartz carbonate vein transitioning to oxidized weak argillic/phyllic alteration distally from veins. Weak to moderate oxidation along fracture surfaces. Trace disseminated pyrite in phyllic envelopes.							
									ARG	2I		
						MD	GN		PHC	3I		
						LT	GN		OXI	3I		
						MD	GN	EN	OXI	2I	Py	0.1
						LT	WH		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
34.52	42.83	8.31	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy weak argillic alteration.							
						LT	WH					
						MD	GY	PA	PRO	2I		
						MD	GN		POT	2I		
						MD	PK		ARG	2I		
42.83	54.05	11.22	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak to moderate argillic +/- potassic alteration.							
						MD	GN		PHC	3I		
						LT	WH		ARG	3I		
						MD	PK		POT	3I		
									ARG	2I		
						LT	GN	PA	PHC	2I		
54.05	58.09	4.04	GRD	MG	Alternating patches of weak phyllic/propyllitic alteration and weak propyllitic/potassic alteration. Patchy weak argillic alteration and moderate oxidation throughout.							
						MD	PK					
						MD	GN		PHC	2I		
						DK	GN		POT	2I		
						MD	PK		ARG	2I		
						LT	WH		OXI	3I		
						LT	GN	PA	PRO	2I		
58.09	62.38	4.29	GRD	MG	Vein zone of moderate phyllic and weak propyllitic altered granodiorite. Host multiple polymetallic quartz/carbonate/sulphide veins and disseminated pyrite throughout the interval.Weakly oxidized.							
						LT	GN	EN	PHC	3I	Py	1
						LT	OR		OXI	2I		
						MD	GN		PRO	2I		
62.38	74.70	12.32	GRD	MG	Alternating patches of weak to moderate argillic/potassic/propyllitic alteration and phyllic overprinted argillic alteration. Weak to moderate oxidation along fracture surfaces.							
									POT	3I		
						LT	GN		PHC	3I		
						MD	GN		PHC	2I		
						DK	GN		POT	2I		
						MD	PK		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	PRO	2I		
									ARG	3I		
									OXI	2I		
									OXI	3I		
									ARG	2I		
74.70	80.24	5.54	GRD	MG	Moderate to strongly silicified phyllic?/propyllitic? Altered granodiorite. Silicification patially obliterates rock textures. Hosts disseminated to blebby pyrite and tourmaline.							
						MD	GY		SIL	4I	To	10
									SIL	3I		
						DK	GN		PRO	3I		
						MD	GN		PHC	3I	Py	5
80.24	94.87	14.63	GRD	MG	Primarily weakly oxidized moderately silicified moderate phyllic altered granodiorite with weakly phyllic overprinted argillic alteration at the beginning and end of the interval.							
						MD	GN		ARG	2I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
						MD	GY					
						LT	OR	FR	SIL	3I		
94.87	96.34	1.47	GRD	MG	Partially gouge altered, moderately to strongly silicified phyllic altered granodiorite. Hosts disseminated to blebby black tourmaline and disseminated pyrite. Silicification partially obliterates rock textures.							
						MD	GY		SIL	4I	To	10
						LT	GN		PHC	3I	Py	1
						LT	GY					
96.34	97.82	1.48	GRD	MG	Weakly oxidized gouge zone.							
						LT	GY		OXI	2I		
						LT	OR					
97.82	110.66	12.84	GRD	MG	Alternating patches of silicified phyllic alteration and weakly phyllic overprinted argillic alteration. Patchy partial gouge alteration throughout. Weak patches of disseminated tourmaline throughout.							
						LT	GN	PA	PHC	3I	To	2
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		ARG	3I		
110.66	123.73	13.07	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Occasional patches of weakly phyllic overprinted argillic/potassic alteration.							
						LT	PK					
						DK	GN		POT	3I		
						MD	GY		PRO	2I		
123.73	125.36	1.63	GRD	MG	Silicified moderate phyllic/propyllitic envelope around Smokey quartz/carbonate/pyrite breccia. Additionally the envelope hosts multiple quartz/pyrite veinlets and stringers. Moderate oxidation along fracture surfaces.							
						LT	GN	EN	SIL	3I	Py	0.1
						MD	GN		PHC	3I		
									OXI	3I		
						LT	GY		PRO	2I		
125.36	128.98	3.62	GRD	MG	Phyllic overprinted argillic alteration with moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						LT	WH		ARG	3I		
						MD	GN		PHC	3I		
						LT	GN	FR	PHC	2I		
128.98	134.92	5.94	GRD	MG	Alternating patches of weakly phyllic overprinted argillic alteration and moderately silicified moderate phyllic altered granodiorite. Moderate to strong oxidation along fracture surfaces. Interval is very rubbly.							
						LT	GN	RB	PHC	2I		
									OXI	3I		
						MD	OR		ARG	3I		
						MD	GN		PHC	3I		
134.92	136.48	1.56	GRD	MG	Partially to significantly gouge altered moderately phyllic altered granodiorite. Hosts disseminated pyrite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						LT	GY	RB	PHC	3I	Py	1
						MD	OR					
137.80	141.40	3.60	GRD	MG	Weak to moderately silicified moderately phyllic altered granodiorite . Host multiple quartz/carbonate/sulphide veins and small gouge zones.							
						MD	GY		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		SIL	2I		
						LT	GN		PHC	3I	Py	1
						MD	GN					
141.40	161.07	19.67	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patches of weak to moderate phyllic alteration and argillic/potassic alteration.							
						MD	GY		PRO	2I		
						LT	WH		ARG	3I		
									POT	3I		
						MD	GN		PHC	2I		
						MD	PK		PHC	3I		
						DK	GN		POT	2I		
161.07	164.88	3.81	GRD	MG	Moderate to strongly silicified moderate phyllic envelope. Hosts multiple quartz/carbonate/sulphide veins and disseminated pyrite.							
									SIL	4I		
						LT	GY		SIL	3I		
						LT	GN		PHC	3I	Py	1
164.88	170.64	5.76	GRD	MG	weakly propyllitic and potassic altered granodiorite							
						MD	PK					
						DK	GN		POT	2I		
						MD	GY		PRO	2I		
170.64	172.22	1.58	GRD	MG	Weakly silicified moderate phyllic and weak propyllitic envelope around a quartz/carbonate/sulphide vein.							
						LT	GN	EN	PHC	3I		
						MD	GN		PRO	3I		
172.22	176.80	4.58	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
						MD	PK					
176.80	179.09	2.29	GRD	MG	Silicified phyllic/propyllitic envelope around a quartz/carbonate/sulphide vein. Envelope transitions to argillic/potassic alteration distally from vein.							
						MD	GN		POT	3I		
						LT	WH		PHC	3I		
						MD	PK		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	ARG	3I		
179.09	182.42	3.33	GRD	MG	Weakly propyllitic and potassic altered granodiorite							
						MD	PK					
						DK	GN		POT	2I		
						MD	GY		PRO	2I		
182.42	188.01	5.59	GRD	MG	Moderate phyllic envelopes around a quartz/pyrite veining and quartz/carbonate/sulphide vein. Phyllic alteration transitions to argillic/potassic alteration distally from veining.							
						LT	GN	EN	PHC	3I		
						MD	PK		ARG	3I		
						LT	WH		PRO	3I		
188.01	191.33	3.32	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with silicified moderate phyllic envelopes around a few 1cm quartz/carbonate +/- pyrite veins.							
						LT	GN	EN	PRO	2I		
						DK	GN		PRO	3I		
						MD	PK		POT	2I		
									POT	3I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	1.15	22	0.75	14	--	3H	4W	
5.18	8.23	3.05	3.05	100	1.86	61	--	3H	4W	
8.23	11.28	3.05	2.89	95	2.45	80	--	3H	3W	
11.28	14.33	3.05	3	98	2.45	80	--	3H	2W	
14.33	17.37	3.04	2.75	90	1.91	63	--	2H	3W	
17.37	20.42	3.05	3.05	100	2.02	66	--	4H	2W	
20.42	23.47	3.05	2.52	83	1.45	48	--	2H	2W	
23.47	26.52	3.05	3.05	100	2.20	72	--	3H	2W	
26.52	29.57	3.05	3.04	100	0.92	30	--	2H	2W	
29.57	32.61	3.04	3.02	99	1.70	56	--	3H	2W	
32.61	35.66	3.05	3	98	2.14	70	--	2H	3W	
35.66	38.71	3.05	1.91	63	1.29	42	--	3H	2W	
38.71	41.76	3.05	2.37	78	1.62	53	--	4H	2W	
41.76	44.81	3.05	3	98	1.39	46	--	3H	1W	
44.81	47.85	3.04	3.04	100	1.96	64	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.26	74	--	3H	1W	
50.90	53.95	3.05	3	98	2.00	66	--	3H	2W	
53.95	57.00	3.05	2.73	90	2.06	68	--	3H	2W	
57.00	60.04	3.04	2.85	94	1.20	39	--	3H	2W	
60.04	63.09	3.05	2.8	92	0.96	31	--	3H	2W	
63.09	66.14	3.05	2.57	84	1.14	37	--	3H	2W	
66.14	69.19	3.05	2.57	84	1.90	62	--	3H	2W	
69.19	72.24	3.05	3.03	99	1.54	50	--	3H	2W	
72.24	75.29	3.05	2.3	75	1.37	45	--	3H	2W	
75.29	78.33	3.04	1.96	64	0.40	13	--	3H	2W	interval contains rod pull
78.33	81.38	3.05	2.83	93	1.50	49	--	3H	3W	Oxidised clay infill with slickenlines on some joints
81.38	84.43	3.05	3	98	0.82	27	--	3H	4W	
84.43	87.48	3.05	2.8	92	1.74	57	--	3H	3W	
87.48	90.52	3.04	2.88	95	1.90	63	--	3H	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.52	93.57	3.05	3.05	100	2.48	81	--	3H	2W	
93.57	96.62	3.05	2.96	97	2.15	70	--	2H	2W	Fault gouge zone
96.62	99.67	3.05	2.84	93	0.87	29	--	1H	2W	
99.67	102.72	3.05	2.93	96	1.83	60	--	2H	2W	
102.72	105.77	3.05	3.05	100	2.21	72	--	3H	2W	many infilled fractures, easily broken
105.77	108.81	3.04	3.03	100	2.49	82	--	3H	1W	
108.81	111.86	3.05	2.72	89	1.46	48	--	4H	1W	
111.86	114.91	3.05	3.05	100	2.77	91	--	4H	1W	
114.91	117.96	3.05	2.87	94	1.67	55	--	3H	1W	
117.96	121.00	3.04	2.58	85	2.14	70	--	3H	1W	
121.00	124.05	3.05	2.97	97	1.89	62	--	4H	1W	
124.05	127.10	3.05	2.82	92	0.44	14	--	3H	3W	
127.10	130.15	3.05	2.29	75	0.73	24	--	2H	3W	
130.15	133.20	3.05	1.71	56	0.79	26	--	2H	3W	
133.20	136.25	3.05	2.47	81	0.00	0	--	2H	3W	
136.25	139.29	3.04	2.25	74	0.52	17	--	--	--	136.48-137.80 cave in
139.29	142.34	3.05	3.05	100	1.28	42	--	2H	2W	
142.34	145.39	3.05	2.95	97	0.90	30	--	3H	1W	3cm of clay(1s)
145.39	148.44	3.05	3.05	100	1.04	34	--	2H	1W	
148.44	151.49	3.05	3.05	100	1.97	65	--	3H	1W	
151.49	154.53	3.04	2.88	95	2.20	72	--	3H	1W	
154.53	157.58	3.05	3.03	99	2.49	82	--	4H	1W	
157.58	160.63	3.05	2.88	94	1.59	52	--	2H	3W	
160.63	163.68	3.05	2.99	98	1.88	62	--	3H	1W	
163.68	166.73	3.05	2.95	97	1.56	51	--	3H	1W	
166.73	169.77	3.04	3.04	100	2.47	81	--	3H	1W	
169.77	172.82	3.05	2.95	97	2.15	70	--	3H	1W	
172.82	175.87	3.05	2.88	94	1.63	53	--	3H	1W	
175.87	178.92	3.05	2.98	98	1.08	35	--	3H	1W	
178.92	181.97	3.05	2.94	96	2.01	66	--	4H	1W	
181.97	185.01	3.04	2.75	90	1.10	36	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.02	99	1.09	36	--	3H	1W	
188.06	191.11	3.05	2.95	97	2.12	70	--	4H	1W	
191.11	191.33	0.22	0.2	91	0.14	64	--	4H	1W	EOH

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
4	0.298	CAS	
4	0.298	QFP	
5	0.194	QFP	
6	0.34	QFP	
7	0.102	QFP	
8	0.296	QFP	
9	0.238	QFP	
10	2.28	QFP	
11	0.675	GRD	
12	0.314	GRD	
13	0.433	GRD	
14	0.419	GRD	
15	0.18	GRD	
16	0.23	GRD	
17	0.232	GRD	
18	0.272	GRD	
19	15	GRD	
20	1.68	GRD	
21	0.277	GRD	
22	0.28	GRD	
23	0.272	GRD	
24	0.231	GRD	
25	6.5	GRD	
26	11.2	GRD	
27	0.179	GRD	
28	0.44	GRD	
29	0.382	GRD	
30	0.394	GRD	
31	0.231	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
32	0.163	GRD	
33	0.218	GRD	
34	0.767	GRD	
35	12	GRD	
36	0.344	GRD	
37	1.08	GRD	
38	3.8	GRD	
39	0.434	GRD	
40	16.2	GRD	
41	14.85	GRD	
42	17.1	GRD	
43	0	GRD	
44	0	GRD	
45	0.26	GRD	
46	0.191	GRD	
47	1.17	GRD	
48	0.334	GRD	
49	3.63	GRD	
50	0.407	GRD	
51	1.65	GRD	
52	0.336	GRD	
53	0.431	GRD	
54	0.301	GRD	
55	0.6	GRD	
56	0.324	GRD	
57	0.701	GRD	
58	0	GRD	
59	0	GRD	
60	0	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
61	0.226	GRD	
62	0.411	GRD	
63	0.773	GRD	
64	0	GRD	
65	0	GRD	
66	0.281	GRD	
67	0.288	GRD	
68	0.513	GRD	
69	19.4	GRD	
70	0.791	GRD	
71	0.269	GRD	
72	0.27	GRD	
73	0.402	GRD	
74	0.227	GRD	
75	4.413	GRD	
76	0.22	GRD	
77	0.205	GRD	
78	0.228	GRD	
79	0.196	GRD	
80	0.23	GRD	
93	0.697	GRD	
94	0.422	GRD	
95	0.37	GRD	
96	0.295	GRD	
97	0.199	GRD	
98	0.268	GRD	
99	0.373	GRD	
100	0.225	GRD	
101	0.277	GRD	
102	0.212	GRD	
103	0.365	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
104	0.394	GRD	
105	0.278	GRD	
106	0.249	GRD	
107	0.192	GRD	
108	0.25	GRD	
109	0.527	GRD	
110	0.357	GRD	
111	0.605	GRD	
112	9.65	GRD	
113	13.75	GRD	
114	10.57	GRD	
115	0.866	GRD	
116	20.39	GRD	
117	0.304	GRD	
118	0.339	GRD	
119	0.458	GRD	
120	0.341	GRD	
121	9.098	GRD	
122	9.382	GRD	
123	14.82	GRD	
124	0.338	GRD	
125	0.276	GRD	
126	0.404	GRD	
127	0.516	GRD	
128	0.482	GRD	
129	0.29	GRD	
130	0.359	GRD	
131	0.248	GRD	
132	0.091	GRD	
133	0.296	GRD	
134	0.405	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
135	0.489	GRD	
136	0.188	GRD	
137	0	-?-	Cave
138	0.481	GRD	
139	0.359	GRD	
140	0.505	GRD	
141	0.486	GRD	
142	0.391	GRD	
143	0.308	GRD	
144	0.279	GRD	
145	0.688	GRD	
146	9.94	GRD	
147	2.9	GRD	
148	0.655	GRD	
149	0.339	GRD	
150	1	GRD	
151	7.99	GRD	
152	25.4	GRD	
153	0.369	GRD	
154	0.707	GRD	
155	14.8	GRD	
156	19.3	GRD	
157	20.7	GRD	
158	14.2	GRD	
159	0.805	GRD	
160	0.577	GRD	
161	19	GRD	
162	0.379	GRD	
163	0.352	GRD	
164	0.238	GRD	
165	0.481	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
166	0.788	GRD	
167	0.564	GRD	
168	6.64	GRD	
169	21.2	GRD	
170	0.159	GRD	
171	0.076	GRD	
172	0.361	GRD	
173	0.823	GRD	
174	10.6	GRD	
175	0.324	GRD	
176	2.2	GRD	
177	0.539	GRD	
178	0.218	GRD	
179	0.663	GRD	
180	22.3	GRD	
181	7.98	GRD	
182	0.465	GRD	
183	2.25	GRD	
184	0.45	GRD	
185	0.285	GRD	
186	0.356	GRD	
187	0.252	GRD	
188	1.17	GRD	
189	0.46	GRD	
190	0.375	GRD	
191	0.367	GRD	EOH KL-16-295

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291914	☐	16-001			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291920	☐	16-001			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291931	☐	16-001		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291940	☐	16-002			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291953	☐	16-002		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291963	☐	16-002		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291967	☐	16-002			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291978	☐	16-005			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291983	☐	16-005		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291987	☐	16-005			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292003	☐	16-005		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291908	☐	16-001		KL-STD4	☐	☐	☐
24.57	25.72	1.15	GRD	1.11	97	K291901	☐	16-001			☐	☐	☐
24.57	25.72	1.15	GRD	1.11	97	K291902	☐	16-001			☐	☐	☑
25.72	26.52	0.80	GRD	0.80	100	K291903	☐	16-001			☐	☐	☐
26.52	26.96	0.44	GRD	0.43	98	K291904	☐	16-001			☐	☐	☐
26.96	28.11	1.15	GRD	0.97	84	K291905	☐	16-001			☐	☐	☐
28.11	28.80	0.69	GRD	0.69	100	K291906	☐	16-001			☐	☐	☐
28.80	29.52	0.72	GRD	0.70	97	K291907	☐	16-001			☐	☐	☐
29.52	30.22	0.70	GRD	0.70	100	K291909	☐	16-001			☐	☐	☐
30.22	31.36	1.14	GRD	1.11	97	K291910	☐	16-001			☐	☐	☐
31.36	32.24	0.88	GRD	0.77	88	K291911	☐	16-001			☐	☐	☐
32.24	32.77	0.53	GRD	0.50	94	K291912	☐	16-001			☐	☐	☐
32.77	33.28	0.51	GRD	0.51	100	K291913	☐	16-001			☐	☐	☐
33.28	34.00	0.72	GRD	0.70	97	K291915	☐	16-001			☐	☐	☐
34.00	34.51	0.51	GRD	0.51	100	K291916	☐	16-001			☐	☐	☐
57.00	58.17	1.17	GRD	1.11	95	K291917	☐	16-001			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
58.17	58.77	0.60	GRD	0.60	100	K291918	☐	16-001			☐	☐	☐
58.77	59.72	0.95	GRD	0.50	53	K291919	☐	16-001			☐	☐	☐
59.72	60.23	0.51	GRD	0.51	100	K291921	☐	16-001			☐	☐	☐
60.23	60.82	0.59	GRD	0.58	98	K292701	☐	16-003			☐	☐	☐
60.82	62.07	1.25	GRD	0.68	54	K291922	☐	16-001			☐	☐	☐
62.07	62.77	0.70	GRD	0.70	100	K291923	☐	16-001			☐	☐	☐
73.36	74.70	1.34	GRD	0.63	47	K291924	☐	16-001			☐	☐	☐
74.70	75.42	0.72	GRD, GRD	0.62	86	K291925	☐	16-001			☐	☐	☐
75.42	76.06	0.64	GRD	0.45	70	K291926	☐	16-001			☐	☐	☐
76.06	78.81	2.75	GRD	1.75	64	K291927	☐	16-001			☐	☐	☐
78.81	80.11	1.30	GRD	1.29	99	K291928	☐	16-001			☐	☐	☐
78.81	80.11	1.30	GRD	1.29	99	K291929	☐	16-001			☐	☑	☐
80.11	80.88	0.77	GRD	0.68	88	K291930	☐	16-001			☐	☐	☐
80.88	82.50	1.62	GRD	1.62	100	K291932	☐	16-001			☐	☐	☐
82.50	83.27	0.77	GRD	0.66	86	K291933	☐	16-001			☐	☐	☐
83.27	86.16	2.89	GRD	2.36	82	K291934	☐	16-001			☐	☐	☐
86.16	87.16	1.00	GRD	1.00	100	K291935	☐	16-001			☐	☐	☐
87.16	89.15	1.99	GRD	1.95	98	K291936	☐	16-001			☐	☐	☐
89.15	89.62	0.47	GRD	0.40	85	K291937	☐	16-002			☐	☐	☐
89.62	90.02	0.40	GRD	0.40	100	K291938	☐	16-002			☐	☐	☐
90.02	90.34	0.32	GRD	0.30	94	K291939	☐	16-002			☐	☐	☐
90.34	91.76	1.42	GRD	1.42	100	K291941	☐	16-002			☐	☐	☐
91.76	93.45	1.69	GRD	1.67	99	K291942	☐	16-002			☐	☐	☐
93.45	94.87	1.42	GRD	1.41	99	K291943	☐	16-002			☐	☐	☐
93.45	94.87	1.42	GRD	1.41	99	K291944	☐	16-002			☐	☑	☐
94.87	95.62	0.75	GRD, GRD	0.75	100	K291945	☐	16-002			☐	☐	☐
95.62	96.34	0.72	GRD	0.68	94	K291946	☐	16-002			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
96.34	98.32	1.98	GRD, GRD	1.92	97	K291947	☐	16-002			☐	☐	☐
98.32	99.52	1.20	GRD	0.88	73	K291948	☐	16-002			☐	☐	☐
99.52	102.41	2.89	GRD	2.76	96	K291949	☐	16-002			☐	☐	☐
102.41	102.92	0.51	GRD	0.51	100	K291950	☐	16-002			☐	☐	☐
102.92	103.97	1.05	GRD	1.05	100	K291951	☐	16-002			☐	☐	☐
122.56	123.11	0.55	GRD	0.55	100	K291952	☐	16-002			☐	☐	☐
123.11	123.65	0.54	GRD	0.54	100	K291954	☐	16-002			☐	☐	☐
123.65	124.15	0.50	GRD	0.50	100	K291955	☐	16-002			☐	☐	☐
124.15	124.65	0.50	GRD	0.50	100	K291956	☐	16-002			☐	☐	☐
124.65	125.16	0.51	GRD	0.50	98	K291957	☐	16-002			☐	☐	☐
125.16	126.02	0.86	GRD	0.70	81	K291958	☐	16-002			☐	☐	☐
126.02	127.10	1.08	GRD	0.96	89	K291959	☐	16-002			☐	☐	☐
126.02	127.10	1.08	GRD	0.96	89	K291960	☐	16-002			☐	☐	☑
127.10	128.95	1.85	GRD	1.66	90	K291961	☐	16-002			☐	☐	☐
132.19	132.82	0.63	GRD	0.53	84	K291962	☐	16-002			☐	☐	☐
132.82	133.40	0.58	GRD	0.54	93	K291964	☐	16-002			☐	☐	☐
133.40	134.90	1.50	GRD	0.50	33	K291965	☐	16-002			☐	☐	☐
134.90	136.09	1.19	GRD	0.99	83	K291966	☐	16-002			☐	☐	☐
136.09	136.47	0.38	GRD	0.37	97	K291968	☐	16-002			☐	☐	☐
137.92	138.74	0.82	GRD	0.78	95	K291969	☐	16-002			☐	☐	☐
138.74	139.06	0.32	GRD	0.32	100	K291970	☐	16-002			☐	☐	☐
139.06	139.89	0.83	GRD	0.83	100	K291971	☐	16-002			☐	☐	☐
139.89	140.73	0.84	GRD	0.84	100	K291972	☐	16-002			☐	☐	☐
140.73	141.40	0.67	GRD	0.67	100	K291973	☐	16-005			☐	☐	☐
141.40	141.96	0.56	GRD, GRD	0.56	100	K291974	☐	16-005			☐	☐	☐
141.96	142.57	0.61	GRD	0.49	80	K291975	☐	16-005			☐	☐	☐
152.04	153.39	1.35	GRD	0.51	38	K291976	☐	16-005			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
153.39	153.85	0.46	GRD	0.44	96	K291977	☐	16-005			☐	☐	☐
153.85	154.33	0.48	GRD	0.44	92	K291979	☐	16-005			☐	☐	☐
154.33	154.78	0.45	GRD	0.44	98	K291980	☐	16-005			☐	☐	☐
160.40	160.90	0.50	GRD	0.50	100	K291981	☐	16-005			☐	☐	☐
160.90	161.46	0.56	GRD	0.50	89	K291982	☐	16-005			☐	☐	☐
161.46	161.96	0.50	GRD	0.50	100	K291984	☐	16-005			☐	☐	☐
161.96	162.44	0.48	GRD	0.48	100	K291985	☐	16-005			☐	☐	☐
162.44	162.94	0.50	GRD	0.50	100	K291986	☐	16-005			☐	☐	☐
162.94	163.92	0.98	GRD	0.97	99	K291988	☐	16-005			☐	☐	☐
163.92	164.53	0.61	GRD	0.60	98	K291989	☐	16-005			☐	☐	☐
164.53	165.07	0.54	GRD	0.54	100	K291990	☐	16-005			☐	☐	☐
165.07	165.59	0.52	GRD	0.52	100	K291991	☐	16-005			☐	☐	☐
165.07	165.59	0.52	GRD	0.52	100	K291992	☐	16-005			☐	☑	☐
165.59	166.15	0.56	GRD	0.42	75	K291993	☐	16-005			☐	☐	☐
166.15	166.72	0.57	GRD	0.51	89	K291994	☐	16-005			☐	☐	☐
166.72	169.77	3.05	GRD	3.05	100	K291995	☐	16-005			☐	☐	☐
166.72	169.77	3.05	GRD	3.05	100	K291996	☐	16-005			☐	☐	☑
169.77	170.26	0.49	GRD	0.49	100	K291997	☐	16-005			☐	☐	☐
170.26	170.97	0.71	GRD	0.06	8	K291998	☐	16-005			☐	☐	☐
170.97	171.47	0.50	GRD	0.44	88	K291999	☐	16-005			☐	☐	☐
171.47	171.98	0.51	GRD	0.49	96	K292000	☐	16-005			☐	☐	☐
171.98	172.82	0.84	GRD	0.81	96	K292001	☐	16-005			☐	☐	☐
172.82	175.87	3.05	GRD	2.77	91	K292002	☐	16-005			☐	☐	☐
175.87	177.31	1.44	GRD	1.22	85	K292004	☐	16-005			☐	☐	☐
177.31	177.83	0.52	GRD	0.51	98	K292005	☐	16-005			☐	☐	☐
177.83	178.32	0.49	GRD	0.46	94	K292006	☐	16-005			☐	☐	☐
178.32	178.92	0.60	GRD	0.60	100	K292007	☐	16-005			☐	☐	☐
178.92	181.97	3.05	GRD	2.92	96	K292008	☐	16-005			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
181.97	182.97	1.00	GRD	1.00	100	K292009	☐	16-006			☐	☐	☐
182.97	183.42	0.45	GRD	0.42	93	K292010	☐	16-006			☐	☐	☐
183.42	184.00	0.58	GRD	0.40	69	K292011	☐	16-006			☐	☐	☐
184.00	187.00	3.00	GRD	2.98	99	K292012	☐	16-006			☐	☐	☐
184.00	187.00	3.00	GRD	2.98	99	K292013	☐	16-006			☐	☐	☑
187.00	187.49	0.49	GRD	0.42	86	K292014	☐	16-006			☐	☐	☐
187.49	188.00	0.51	GRD	0.51	100	K292015	☐	16-006			☐	☐	☐
188.00	188.55	0.55	GRD	0.51	93	K292016	☐	16-006			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	24.57			☐	☐	☐	☐	
16-001	K291908	0.00	0.00	0.37	1050	☐	☐	☐	☑ KL-STD4	
16-001	K291914	0.00	0.00	0.01	30	☐	☐	☑	☐	
16-001	K291920	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-001	K291931	0.00	0.00	0.92	610	☐	☐	☐	☑ KL-STD5	
16-002	K291940	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-002	K291953	0.00	0.00	0.88	1180	☐	☐	☐	☑ KL-STD5	
16-002	K291963	0.00	0.00	0.35	1110	☐	☐	☐	☑ KL-STD4	
16-002	K291967	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-005	K291978	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-005	K291983	0.00	0.00	0.93	550	☐	☐	☐	☑ KL-STD5	
16-005	K291987	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-005	K292003	0.00	0.00	0.35	1060	☐	☐	☐	☑ KL-STD4	
16-001	K291901	24.57	25.72	0.00	2100	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-001	K291902	24.57	25.72	0.00	2150	☐	☑	☐	☐	
16-001	K291903	25.72	26.52	0.00	2200	☐	☐	☐	☐	
16-001	K291904	26.52	26.96	0.89	960	☐	☐	☐	☐	
16-001	K291905	26.96	28.11	0.05	2030	☐	☐	☐	☐	
16-001	K291906	28.11	28.80	0.00	1990	☐	☐	☐	☐	
16-001	K291907	28.80	29.52	0.02	2150	☐	☐	☐	☐	
16-001	K291909	29.52	30.22	0.13	1000	☐	☐	☐	☐	
16-001	K291910	30.22	31.36	0.32	1130	☐	☐	☐	☐	
16-001	K291911	31.36	32.24	0.89	980	☐	☐	☐	☐	
16-001	K291912	32.24	32.77	0.66	1470	☐	☐	☐	☐	
16-001	K291913	32.77	33.28	4.00	550	☐	☐	☐	☐	
16-001	K291915	33.28	34.00	0.02	1640	☐	☐	☐	☐	
16-001	K291916	34.00	34.51	0.01	2290	☐	☐	☐	☐	
		34.51	57.00			☐	☐	☐	☐	
16-001	K291917	57.00	58.17	0.00	2440	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-001	K291918	58.17	58.77	0.08	1290	☐	☐	☐	☐	
16-001	K291919	58.77	59.72	0.00	1240	☐	☐	☐	☐	
16-001	K291921	59.72	60.23	0.03	980	☐	☐	☐	☐	
16-003	K292701	60.23	60.82	23.00	40	☐	☐	☐	☐	
16-001	K291922	60.82	62.07	0.22	670	☐	☐	☐	☐	
16-001	K291923	62.07	62.77	0.01	1840	☐	☐	☐	☐	
		62.77	73.36			☐	☐	☐	☐	
16-001	K291924	73.36	74.70	0.01	2250	☐	☐	☐	☐	
16-001	K291925	74.70	75.42	0.04	250	☐	☐	☐	☐	
16-001	K291926	75.42	76.06	0.07	2350	☐	☐	☐	☐	
16-001	K291927	76.06	78.81	0.00	2560	☐	☐	☐	☐	
16-001	K291928	78.81	80.11	0.00	2090	☐	☐	☐	☐	
16-001	K291929	78.81	80.11	0.00	1780	☑	☐	☐	☐	
16-001	K291930	80.11	80.88	0.09	1570	☐	☐	☐	☐	
16-001	K291932	80.88	82.50	0.00	1480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-001	K291933	82.50	83.27	0.02	1320	☐	☐	☐	☐	
16-001	K291934	83.27	86.16	0.01	1330	☐	☐	☐	☐	
16-001	K291935	86.16	87.16	0.05	3820	☐	☐	☐	☐	
16-001	K291936	87.16	89.15	0.01	1890	☐	☐	☐	☐	
16-002	K291937	89.15	89.62	0.01	1380	☐	☐	☐	☐	
16-002	K291938	89.62	90.02	1.96	1070	☐	☐	☐	☐	
16-002	K291939	90.02	90.34	0.88	1250	☐	☐	☐	☐	
16-002	K291941	90.34	91.76	0.04	1600	☐	☐	☐	☐	
16-002	K291942	91.76	93.45	0.02	1910	☐	☐	☐	☐	
16-002	K291943	93.45	94.87	0.01	1910	☐	☐	☐	☐	
16-002	K291944	93.45	94.87	0.01	1790	☑	☐	☐	☐	
16-002	K291945	94.87	95.62	0.03	2070	☐	☐	☐	☐	
16-002	K291946	95.62	96.34	0.04	2820	☐	☐	☐	☐	
16-002	K291947	96.34	98.32	0.01	2680	☐	☐	☐	☐	
16-002	K291948	98.32	99.52	0.01	2920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-002	K291949	99.52	102.41	0.00	2310	☐	☐	☐	☐	
16-002	K291950	102.41	102.92	0.00	1540	☐	☐	☐	☐	
16-002	K291951	102.92	103.97	0.01	3260	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-002	K291952	122.56	123.11	0.00	2130	☐	☐	☐	☐	
16-002	K291954	123.11	123.65	0.01	2070	☐	☐	☐	☐	
16-002	K291955	123.65	124.15	0.21	970	☐	☐	☐	☐	
16-002	K291956	124.15	124.65	1.02	7290	☐	☐	☐	☐	
16-002	K291957	124.65	125.16	0.37	730	☐	☐	☐	☐	
16-002	K291958	125.16	126.02	0.03	570	☐	☐	☐	☐	
16-002	K291959	126.02	127.10	0.04	1500	☐	☐	☐	☐	
16-002	K291960	126.02	127.10	0.04	1670	☐	☑	☐	☐	
16-002	K291961	127.10	128.95	0.01	1200	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-002	K291962	132.19	132.82	0.01	2310	☐	☐	☐	☐	
16-002	K291964	132.82	133.40	0.01	920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-002	K291965	133.40	134.90	0.01	1290	☐	☐	☐	☐	
16-002	K291966	134.90	136.09	0.43	990	☐	☐	☐	☐	
16-002	K291968	136.09	136.47	0.10	1100	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	CAVE!!!
16-002	K291969	137.92	138.74	0.18	990	☐	☐	☐	☐	
16-002	K291970	138.74	139.06	1.16	1940	☐	☐	☐	☐	
16-002	K291971	139.06	139.89	0.07	970	☐	☐	☐	☐	
16-002	K291972	139.89	140.73	0.15	930	☐	☐	☐	☐	
16-005	K291973	140.73	141.40	0.03	2250	☐	☐	☐	☐	
16-005	K291974	141.40	141.96	0.00	2470	☐	☐	☐	☐	
16-005	K291975	141.96	142.57	0.01	2320	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-005	K291976	152.04	153.39	0.01	1740	☐	☐	☐	☐	
16-005	K291977	153.39	153.85	0.57	850	☐	☐	☐	☐	
16-005	K291979	153.85	154.33	0.02	1630	☐	☐	☐	☐	
16-005	K291980	154.33	154.78	0.00	2310	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######			☐	☐	☐	☐	
16-005	K291981	160.40	160.90	0.00	2450	☐	☐	☐	☐	
16-005	K291982	160.90	161.46	0.01	2160	☐	☐	☐	☐	
16-005	K291984	161.46	161.96	0.01	1860	☐	☐	☐	☐	
16-005	K291985	161.96	162.44	0.02	1050	☐	☐	☐	☐	
16-005	K291986	162.44	162.94	0.07	1760	☐	☐	☐	☐	
16-005	K291988	162.94	163.92	0.02	1360	☐	☐	☐	☐	
16-005	K291989	163.92	164.53	0.01	1510	☐	☐	☐	☐	
16-005	K291990	164.53	165.07	0.00	2000	☐	☐	☐	☐	
16-005	K291991	165.07	165.59	0.00	2680	☐	☐	☐	☐	
16-005	K291992	165.07	165.59	0.00	2610	☑	☐	☐	☐	
16-005	K291993	165.59	166.15	0.00	2780	☐	☐	☐	☐	
16-005	K291994	166.15	166.72	0.01	1980	☐	☐	☐	☐	
16-005	K291995	166.72	169.77	0.01	2460	☐	☐	☐	☐	
16-005	K291996	166.72	169.77	0.01	2420	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-005	K291997	169.77	170.26	0.00	1870	☐	☐	☐	☐	
16-005	K291998	170.26	170.97	0.04	1750	☐	☐	☐	☐	
16-005	K291999	170.97	171.47	0.47	1000	☐	☐	☐	☐	
16-005	K292000	171.47	171.98	0.01	1410	☐	☐	☐	☐	
16-005	K292001	171.98	172.82	0.01	1970	☐	☐	☐	☐	
16-005	K292002	172.82	175.87	0.01	2480	☐	☐	☐	☐	
16-005	K292004	175.87	177.31	0.01	2110	☐	☐	☐	☐	
16-005	K292005	177.31	177.83	0.04	1140	☐	☐	☐	☐	
16-005	K292006	177.83	178.32	2.73	890	☐	☐	☐	☐	
16-005	K292007	178.32	178.92	0.02	1970	☐	☐	☐	☐	
16-005	K292008	178.92	181.97	0.01	2520	☐	☐	☐	☐	
16-006	K292009	181.97	182.97	0.02	2540	☐	☐	☐	☐	
16-006	K292010	182.97	183.42	0.05	2270	☐	☐	☐	☐	
16-006	K292011	183.42	184.00	0.01	2620	☐	☐	☐	☐	
16-006	K292012	184.00	187.00	0.01	2060	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-006	K292013	184.00	187.00	0.01	2270	☐	☑	☐	☐	
16-006	K292014	187.00	187.49	0.31	550	☐	☐	☐	☐	
16-006	K292015	187.49	188.00	0.01	1780	☐	☐	☐	☐	
16-006	K292016	188.00	188.55	0.03	2330	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
12.67	12.73	VT	37	60	NUL	2	Two 0.5cm quartz/carbonate veinlets hosting disseminated pyrite.			
								Py	20	DI
15.68	15.70	VN	37	60	NUL	1	Weakly gouge altered quartz/pyrite vein. Weakly oxidized.			
23.85	23.86	VT	37	60	NUL	1	Quartz/carbonate veinlet hosting trace disseminated pyrite and hematite.			
								Py	0.1	DI
								He	0.1	DI
26.81	26.83	VN	37	60	NUL	1	Grey quartz and white carbonate vein hosting disseminated to disseminated to blebby pyrite.			
								Py	10	BL
29.24	24.29	VN	37	60	NUL	1	Intermixed greay quartz and very light pink rhodochrosite vein hosting disseminated pyrite.			
								Py	1	DI
30.18	30.32	ST		50	NUL	6	Six smokey quartz stringers hosting disseminated pyrite. Disseminated in phyllic alteration between stringers.			
								Py	10	DI
30.57	30.57	VN	37	35	NUL	1	Grey to smoky quartz vein hosting disseminated to blebby pyrite.			
								Py	15	BL
31.59	31.61	VN	37	60	NUL	1	Smoky quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	5	BL
31.79	31.80	VN	37	85	NUL	1	Grey to smoky quartz vein hosting disseminated pyrite.			
								Py	3	DI
32.36	32.40	VN	37	60	NUL	1	Oxidized gray quartz and white carbonate vein hosting disseminated to blebby pyrite, sphalerite and galena.			
								Py	5	BL
								Gn	3	DI
								Sp	3	DI
32.64	32.66	VN	37	50	NUL	1	Oxidized grey quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
32.85	33.27	VB	37	60	NUL	1	*Smoky quartz vein weakly brecciated by white carbonate hosting disseminated to blebby pyrite, sphalerite and galena.			
								Sp	1	BL
								Py	5	BL
								Gn	1	BL
33.68	33.72	VN	37	50	NUL	1	Grey quartz vein hosting disseminated pyrite and galena. Weakly gouge altered.			
								Gn	1	DI
								Py	5	DI
43.15	43.18	VN	37	60	NUL	1	Grey quartz and white carbonate vein hosting disseminated to blebby pyrite and black tourmaline.			
								To	15	BL
								Py	5	BL
47.70	47.75	VN	37	60	NUL	1	Grey quartz and white carbonate vein hosting disseminated to blebby pyrite and black tourmaline.			
								Py	5	BL
								To	15	BL
48.04	48.12	GO	34	-	NUL	1	Oxidized gouge altered granodiorite.			
52.27	52.30	GO	34	-	NUL	1	Brown gouge hosting trace disseminated pyrite.			
								Py	0.1	DI
56.05	56.07	VN	37	30	NUL	1	Partially gouge altered grey quartz vein hosting disseminated pyrite.			
59.11	59.26	GO	34	-	NUL	1	Oxidized grey/brown gouge hosting trace disseminated pyrite.			
								Py	0.1	DI
60.30	60.49	VN	37	-	NUL	1	Bonus Vein - Grey quartz vein hosting blebby to semi-massive pyrite, blebby sphalerite, and disseminated arsenopyrite and galena. Galena and sphalerite are associated with the white carbonate minorly brecciating the middle of the vein.			
								Gn	0.1	DI
								Sp	5	BL
								As	1	DI
								Py	35	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
61.08	61.09	VN	37	70	NUL	1	Grey quartz/white carbonate vein hosting disseminated to blebby sphalerite and galena and disseminated pyrite.			
								Py	1	DI
								Gn	5	BL
								Sp	65	BL
61.74	61.79	VN	37	80	NUL	1	Smokey quartz vein brecciated by white carbonate hosting disseminated pyrite.			
								Py	3	DI
67.62	67.63	GO	34	60	NUL	1	Weakly oxidized gouge surface with fine pyrite.			
								Py	0.1	DI
75.75	75.76	VT	37	25	NUL	1	Weakly crustiform white quartz-calcite veinlet.			
80.24	80.64	GO	34	60	NUL	1	Wide weakly gouged section with fine disseminated pyrite and weak pervasive oxide staining.			
								Py	0.5	DI
82.57	82.62	VN	37	80	NUL	2	Grey quartz veins with fine disseminated to blebby pyrite and fine fragments of incorporated host rock.			
								Py	0.5	DI
86.40	86.42	VN	37	25	NUL	1	White-grey massive quartz vein with fine stringers of chlorite.			
90.08	90.21	VN	37	65	NUL	3	Grey-smoky quartz veins hosting blebby pyrite, blebby arsenopyrite, and fine blebs of honey brown sphalerite. Arsenopyrite tends to be focused along the centres of veins, with pyrite along the outer margins. Fine honey brown sphalerite is adjacent to arsenopyrite.			
								Py	10	BL
								Sp	0.1	DI
								As	2	BL
90.70	90.71	VN	37	75	NUL	1	Quartz-pyrite vein with indistinct margins and slight bleaching.			
								Py	1	BL
92.64	92.65	VN	37	80	NUL	1	Quartz vein with fine disseminated pyrite.			
								Py	1	DI
95.17	95.52	GO	34	60	NUL	1	Soft gouge zone with fine disseminated pyrite. Contains pebbly fragments of the host granodiorite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
95.75	97.51	GO	34	20	NUL	1	Wide gouge zone with trace oxide staining.			
99.82	99.88	GO	34	40	NUL	1	Narrow gouge zone with weak oxidation. No mineralization.			
102.41	102.92	GO	34	30	NUL	1	Mostly coherent, weakly gouged, weakly oxidized zone with trace disseminated pyrite.			
								Py	0.1	DI
103.74	103.76	VN	37	20	NUL	1	Smoky quartz vein with fine blebby pyrite.			
								Py	0.5	BL
106.61	107.78	VT	37	30	NUL	5	White massive quartz veinlets with blurred margins, hosting blebby black tourmaline and blebby pyrite. Tourmaline tends to be in blebby masses along the vein margins.			
								To	5	BL
								Py	2	BL
114.08	114.09	VN	37	30	NUL	1	White massive quartz vein hosting fine disseminated pyrite along its centreline.			
								Py	0.5	DI
123.21	123.25	VB	37	70	NUL	1	Smokey quartz breccia vein hosting disseminated to blebby pyrite.			
								Py	20	BL
124.35	124.64	VB	37	65	NUL	1	Smokey vein breccia hosting disseminated to blebby pyrite. Smokey quartz is minorly brecciated by white carbonate veinlets.			
								Py	10	BL
126.96	126.98	VB	37	50	NUL	1	Smokey quartz vein breccia. Hosts trace disseminated pyrite. Partially gouge altered along selvedges.			
								Py	3	DI
127.73	127.74	VT	37	70	NUL	1	Grey quartz veinlet hosting disseminated pyrite. White carbonate stringers along selvedges.			
								Py	3	DI
131.91	131.93	VN	37	30	NUL	1	Milky white quartz vein hosting blebby pyrite. Quartz exhibits comb texture.			
								Py	3	BL
135.00	136.12	GO	34	-	NUL	1	Wide gouge zone with weak oxide staining and disseminated pyrite throughout. Zone is softened and has pebbles of coherent rock.			
								Py	0.5	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
138.68	139.04	VN	37	60	NUL	4	White-pink quartz and rhodochrosite veins hosting blebby blackjack sphalerite are crosscut by grey smoky quartz veinlets hosting disseminated pyrite. There is trace finer disseminated arsenopyrite amongst pyrite in localized patches.			
								Sp	2	BL
								Py	1	DI
								As	0.1	DI
140.03	140.72	GO	34	25	NUL	1	Gouge in mineralized vein section with significant softening and white clay development. Fine to 1mm cubic disseminated pyrite is found throughout the gouge and groundmass.			
								Py	2	DI
144.34	144.38	VN	37	75	NUL	1	White-creamy massive calcite vein with white-smoky quartz veinlets along its selvedges. Veinlets host blebby pyrite, blackjack sphalerite, trace honey brown and sphalerite.			
								Py	1	BL
								Sp	1	BL
153.52	153.57	VN	37	75	NUL	1	Massive grey quartz vein hosting blebby pyrite and chalcopyrite. The vein has white milky quartz along its selvedges. The milky quartz is bordered by a fine black magnetite margin.			
								Py	1	BL
								Cp	1	BL
								Mg	0.5	BL
158.26	159.10	GO	34	-	NUL	1	Clay-altered gouge zone.			
162.23	162.26	VN	37	30	NUL	1	White quartz vein with a flooded morphology and indistinct boundaries. Quartz hosts blebby pyrite.			
								Py	1	BL
162.53	162.62	VN	37	30	NUL	1	Smoky quartz vein with a wide central vein of massive calcite. Massive calcite incorporates jagged fragments of the smoky quartz-pyrite vein. Smoky quartz hosts blebby-disseminated pyrite.			
								Py	2	BL
162.79	162.93	VN	37	20	NUL	2	White-milky massive quartz vein that is crosscut by higher angle massive white calcite vein with thin black magnetite selvedges.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	DI
								Mg	1	AN
164.12	164.51	VN	37	35	NUL	3	Series of white-milky quartz veins with a flooding-style morphology and blurred boundaries. Hosts fine blebby pyrite.			
								Py	0.5	BL
171.10	171.16	VN	37	90	NUL	1	White quartz-pyrite vein is crosscut by white carbonate veinlets/stringers and dark smoky quartz-pyrite stringers. Blebby blackjack sphalerite and galena are associated with white carbonates, closely following the veinlet selvedges.			
								Gn	0.5	BL
								Sp	1	BL
								Py	2	BL
171.39	171.44	VT	37	30	NUL	2	Fine pyrite stringers with dark grey selvedges.			
								Py	100	MA
183.50	183.58	VN	37	35	NUL	1	Irregularly banded white-grey quartz vein hosting fine disseminated pyrite. Slight clay alteration.			
								Py	0.5	DI
187.12	187.26	VN	37	75	NUL	1	Banded grey-smoky quartz vein with a central crackled zone of fine rhodochrosite-carbonate veinlets. Blebby-disseminated pyrite is hosted in the grey-smoky quartz, and is accompanied by blebby blackjack sphalerite near rhodochrosite veinlets.			
								Sp	0.5	BL
								Rh	6	BN
								Py	2	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381458	6890314	1245.6	143.86

ZONE: Western BRX

SECTION:

HOLE: KL-16-296

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 59.44m, In

Drilling Dates: Jun 24 - Jul 28, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Western BRX extension

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5	5	CAS
5	35.66	30.66	OVB
35.66	45.24	9.58	OVB
45.24	54.25	9.01	GRD
54.25	57.27	3.02	GRD
57.27	66.62	9.35	GRD
66.62	82.1	15.48	GRD
82.1	90.4	8.3	GRD
90.4	102.79	12.39	GRD
102.79	107.82	5.03	GRD
107.82	111.09	3.27	GRD
111.09	117.03	5.94	GRD
117.03	129.24	12.21	GRD
129.24	143.26	14.02	GRD
143.26	143.86	0.6	SAN

SAMPLES	
Numbers:	k290401 to k290421
Total:	21
Batch:	004
Certificates:	TR16108379

COMMENTS

EOH at 143.86 m (box 27) due to sand infilling of Drill hole and loss of Reflex Tool (downhole survey). Box 28,29 are cave and sand infill with repeat footages due to sand layer moving up DDH. Photos for record, but not teched or logged due to lack of data and duplicate footages causing database errors. No Downhole Survey due to hole condition.

Box Log

KL-16-296

Klaza

estern BRX Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	5	18
2	18	29
3	29	39.31
4	39.31	47.56
5	47.56	53.2
6	53.2	57.24
7	57.24	61.61
8	61.61	66.36
9	66.36	70.25
10	70.25	74.44
11	74.44	78.33
12	78.33	81.95
13	81.95	86.55
14	86.55	90.53
15	90.53	94.51
16	94.51	98.45
17	98.45	102.72
18	102.72	106.39
19	106.39	110.71
20	110.71	114.91
21	114.91	119.33
22	119.33	123.44
23	123.44	127.52
24	127.52	131.63
25	131.63	135.68
26	135.68	139.85
27	139.85	143.86

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	35.66	30.66	OVB	--	Overburden from drill casing.							
						MD	BR	RB				
						LT	BR					
35.66	45.24	9.58	OVB	--	Overburden and heavily weathered rock with minor to moderate oxidation. Interval is extremely weathered and broken down with no mineralization.							
						MD	BR					
						LT	BR	RB	OXI	3I	--	0
53.20	53.49	0.29	GRD	MG	Light to moderate argillic/propylitic altered granodiorite containing multiple quartz/hematite stringers (<1cm) over 14cm.							
						MD	WH		ARG	3I	He	5
						LT	GN		ARG	2I		
						LT	RD		PRO	1I		
									PRO	2I		
53.49	53.73	0.24	GRD	MG	Moderately to heavily hematized argillic granodiorite							
								RB	ARG	3I		
									ARG	2I		
									HEM	3I		
54.25	57.27	3.02	GRD	MG	Fractured moderately argillic altered granodiorite with minor oxidation.							
						MD	WH	RB	ARG	3I		
						LT	BR	FR	ARG	2I		
62.25	64.00	1.75	GRD	MG	Alternating patches of moderate to heavily oxidized granodiorite and light to moderate phyllic argillic altered granodiorite. Contains small pyrite/hematite stringers within oxidized granodiorite, as well as a ~12cm interval of small concentrated pyrite veinlets with minor hematite found in phyllic argillic granodiorite (slightly gouged).							
						MD	BN	PA	OXI	4I	Py	3
						LT	BN	FR	OXI	3I	Py	2
						LT	GN		PHC	1I		
									PHC	2I		
									ARG	2I		
									OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.82	77.00	2.18	GRD	MG	Weakly propylitic/potassic altered granodiorite with quartz carbonate veinlets occurring every ~1.5m. Quartz carbonate net texture present in one veinlet structure. Fracture contains moderate hematite staining.							
						MD	GN	FR	POT	2I		
						LT	GN	NE	PRO	2I	He	1
						LT	PK					
84.57	87.26	2.69	GRD	MG	Quartz flooded weakly phyllic/propylitic altered granodiorite that has undergone moderate to strong hematization. Multiple zones of hematite and chlorite/hematite veins, veinlets and stringers, along with quartz veins, veinlets and stringers occurring every 5-10cm.							
						MD	RD	NE	PHC	2I		
						MD	GN		HEM	3I		
						LT	RD		PRO	2I		
						LT	GN		POT	2I		
						DK	RD	PA	HEM	4I		
102.79	104.44	1.65	FLR	--	argillic/propylitic granodiorite with weak gouge alteration. Chloritization present.							
						LT	GN		PRO	2I		
						LT	GY		ARG	2I		
104.44	106.26	1.82	GRD	MG	Strongly gouge altered granodiorite with chloritizatoin and alternating propylitic to phyllic overprinting. No zones of mineralization.							
						MD	GN		PRO	2I		
						LT	GN	---	ARG	3I	--	0
						LT	GY		PHC	2I		
106.26	107.82	1.56	GRD	--	argillic/propylitic granodiorite with weak gouge alteration. Chloritization present.							
						LT	GY		ARG	2I		
						LT	GN		PRO	2I		
107.82	111.09	3.27	GRD	MG	moderately gouge altered granodiorite that displays weak propylitic alteration, along with patchy chloritic alteration and hematization.							
									HEM	2I		
									CHL	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
111.09	117.03	5.94	GRD	MG	Weakly phyllic to propylitic altered granodiorite with patches of weak potassic overprinting. Interval displays small zones of weak hematization along with chloritization of fractures and joint faces. No mineralization present.							
						MD	GN		CHL	2I		
						LT	GN		CHL	3I		
						LT	RD		PHC	2I		
									PRO	2I		
									POT	2I		
117.03	120.30	3.27	GRD	MG	Weak to moderate phyllic/potassic altered granodiorite. No mineralization present.							
						LT	WH		PHC	2I		
						LT	GN		ARG	2I		
120.30	122.10	1.80	FLR	MG	Weakly phyllic/argillic altered granodiorite that has undergone moderate to heavy gouge alteration. No present mineralization.							
						LT	GN	RB	PHC	2I		
									ARG	2I		
122.10	128.18	6.08	GRD	MG	Weak to moderate phyllic/potassic altered granodiorite alternating with moderate gouge altered phyllic granodiorite and argillic/potassic/phyllic granodiorite that has undergone weak silicification and quartz flooding. No mineralization present.							
						MD	WH		POT	2I		
						LT	RD		ARG	2I		
						LT	GN		PHC	2I		
128.18	128.97	0.79	FLR	--	Weakly phyllic/argillic altered granodiorite that has undergone moderate to heavy gouge alteration. A barren quartz carbonate vein and two smokey quartz veins are found within the heavily gouge altered granodiorite. The first vein is a small smokey quartz vein (1cm) that displays disseminated arsenopyrite, pyrite, and honey sphalerite. The second veinlet is a disseminated smokey quartz/pyrite vein that has been obilterated by heavy gouge alteration.							
						MD	GN				As	0.1
						LT	GN		PHC	2I	Py	0.5
											Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
128.97	129.24	0.27	GRD	MG	Weak to moderate phyllic/potassic altered granodiorite alternating with large zones of moderate to heavy gouge altered granodiorite							
						LT	GN		PHC	2I		
						LT	RD					
129.24	143.26	14.02	GRD	MG	Trace propylitic to weak potassic altered granodiorite. With chlorite infill within joints and fractures.							
						LT	GN		POT	2I		
						LT	RD		PRO	1I		
						LT	WH					
143.26	143.86	0.60	SAN	FG	Moderate argillic altered granodiorite leading into very fluid sand. **box 28, 29 are repeat footages and gen lith, but not entered due to duplicate data errors in database.							
						MD	WH	RB	ARG	2I		
						MD	GY		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	35.66	30.66	OVB	--	Overburden from drill casing.							
						LT	BR					
						MD	BR	RB				
35.66	45.24	9.58	OVB	--	Overburden and heavily weathered/oxidized rock. Interval is extremely weathered and broken down with no mineralization.							
						MD	BR					
						LT	BR	RB	OXI	3I	--	0
45.24	54.25	9.01	GRD	MG	Alternating patches of moderate to heavily oxidized granodiorite, clay gouge, and moderately altered argillic altered granodiorite. Interval contains small (<1cm) quartz/hematite stringers over 14cm within argillic propylitic altered granodiorite, as well as small patch of hematized granodiorite (~20cm).							
						LT	GN					
						LT	WH					
						LT	BR	RB	ARG	3I	He	0.1
						LT	RD		OXI	3I		
						MD	BR	FR	PRO	1I		
54.25	57.27	3.02	GRD	MG	Fractured moderately argillic altered granodiorite with minor oxidation.							
						LT	BR	FR	ARG	2I		
						MD	WH	RB	ARG	3I		
57.27	66.62	9.35	GRD	MG	Alternating sections of lightly phyllic/argillic altered granodiorite, moderate to heavily oxidized argillic altered granodiorite, and slightly silicic phyllic/argillic altered granodiorite. Contains small stringers and veinlets of quartz/carbonate. Interval contains a zone of phyllic argillic altered granodiorite with patches of gouge and heavy oxidation hosting a small concentrated pyrite stringer and disseminated pyrite.							
						MD	BR		PHC	2I	Py	0.1
						LT	GN		OXI	4I	He	0.1
						MD	WH		OXI	3I		
									ARG	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BR	FR	PHC	1I	Py	0.1
66.62	82.10	15.48	GRD	MG	Alternating intervals of silicified weakly potassic propylitic altered granodiorite, silicified lightly phyllic/potassic altered granodiorite, and argillic/phyllic altered granodiorite. Quartz/chlorite veins intersect all alteration types. Along with these, quartz/pyrite/hematite veins and veinlets intersect phyllic/potassic altered granodiorite. One occurrence of a rhodocrosite/pyrite veinlet.							
						MD	GN	BN	POT	3I	Py	0.1
									PHC	3I		
									POT	2I	Cl	1
						LT	PK	PA	PRO	2I	He	0.1
						LT	GN	BX	PHC	2I	Rh	0.1
									PRO	3I	Py	0.1
82.10	90.40	8.30	GRD	MG	Massive quartz flooded weakly phyllic altered granodiorite with weak silicification. Phyllic interval displays patches of potassic/propylitic altered granodiorite as well as a large interval of hematized propylitic granodiorite (christmas texture). Blebs and veinlets of quartz/carbonate present throughout phyllic, hematized, and propylitic altered granodiorite.							
						LT	GN		PRO	2I		
						MD	WH		POT	2I		
						LT	RD	PA	PHC	2I		
						MD	RD		HEM	3I		
						DK	RD		HEM	4I		
102.79	107.82	5.03	GRD	MG	Weakly propylitic to potassic altered granodiorite with a large interval of strongly gouge altered granodiorite with chloritization and alternating propylitic to phyllic overprinting. No zones of mineralization.							
						LT	GN		PRO	2I		
									CHL	3I		
									PRO	3I		
						MD	GN	RB	PHC	2I		
									ARG	2I		
107.82	111.09	3.27	GRD	MG	moderately gouge altered granodiorite that displays weak propylitic alteration, along with patchy chloritic alteration and hematization.							
									HEM	2I		
									CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I		
111.09	117.03	5.94	GRD	MG	Weakly phyllic to propylitic altered granodiorite with patches of weak potassic overprinting. Interval displays small zones of weak hematization along with chloritization of fractures and joint faces. No mineralization present.							
									CHL	3I		
									CHL	2I		
						LT	GN		PHC	2I		
						MD	GN		POT	2I		
						LT	RD		PRO	2I		
117.03	129.24	12.21	GRD	MG	Weak to moderate phyllic/potassic altered granodiorite alternating with large zones of moderate to heavy gouge altered granodiorite (1-1.8m), and argillic/potassic/phyllic granodiorite that has undergone weak silicification and quartz flooding. Gouge altered granodiorite contains a small veins <1cm over 8cm containing smokey quartz and pyrite.							
						LT	RD		PHC	2I	Py	0.1
						LT	WH		PRO	2I		
						LT	GN		ARG	2I		
									POT	2I		
129.24	143.26	14.02	GRD	MG	Trace propylitic to weak potassic altered granodiorite. With chlorite infill within joints and fractures. No present mineralization .							
						LT	GN		POT	2I		
						LT	WH					
						LT	RD		PRO	1I		
143.26	143.86	0.60	SAN	FG	Moderate argillic altered granodiorite leading into very fluid sand. **box 28, 29 are repeat footages and gen lith, but not entered due to duplicate data errors in database.							
						MD	WH	RB	ARG	2I		
						MD	GY		ARG	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.00	5.00	0	0	0.00	0	--	--	--	No Rec.
5.00	5.18	0.18	0.18	100	0.00	0	--	2H	--	
5.18	8.23	3.05	0.82	27	0.00	0	--	1H	--	
8.23	11.28	3.05	0.92	30	0.00	0	--	1H	--	
11.28	14.33	3.05	1.07	35	0.00	0	--	1H	--	
14.33	17.37	3.04	0.57	19	0.00	0	--	1H	--	
17.37	20.42	3.05	1.77	58	0.00	0	--	1H	--	
20.42	23.47	3.05	0.81	27	0.00	0	--	1H	--	
23.47	26.52	3.05	0.55	18	0.00	0	--	1H	--	
26.52	29.57	3.05	0.53	17	0.00	0	--	1H	--	
29.57	32.61	3.04	1.6	53	0.00	0	--	1H	--	
32.61	35.66	3.05	0.52	17	0.00	0	--	1H	5W	End of casing
35.66	38.71	3.05	0.44	14	0.00	0	--	1H	5W	
38.71	41.76	3.05	1.68	55	0.00	0	--	1H	5W	
41.76	44.81	3.05	0.54	18	0.00	0	--	1H	5W	
44.81	47.85	3.04	1.75	58	0.00	0	--	1H	5W	
47.85	50.90	3.05	1.76	58	0.42	14	--	1H	5W	
50.90	53.95	3.05	2.44	80	0.12	4	--	1H	4W	
53.95	57.00	3.05	2.62	86	0.79	26	--	1H	4W	
57.00	60.05	3.05	2.63	86	0.54	18	--	3H	4W	
60.05	63.09	3.04	2.52	83	0.55	18	--	3H	3W	
63.09	66.14	3.05	2.31	76	0.38	12	--	2H	3W	
66.14	69.19	3.05	2.97	97	1.12	37	--	2H	2W	
69.19	72.24	3.05	2.9	95	1.88	62	--	3H	1W	
72.24	75.29	3.05	2.92	96	0.87	29	--	3H	1W	
75.29	78.33	3.04	2.83	93	0.34	11	--	2H	1W	
78.33	81.38	3.05	3.05	100	0.88	29	--	2H	1W	
81.38	84.43	3.05	2.47	81	1.20	39	--	3H	1W	
84.43	87.48	3.05	2.67	88	1.27	42	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.73	90	1.45	48	--	3H	1W	
90.53	93.57	3.04	2.49	82	0.92	30	--	3H	1W	
93.57	96.62	3.05	2.79	91	1.29	42	--	3H	1W	
96.62	99.67	3.05	3.04	100	1.72	56	--	3H	1W	
99.67	102.72	3.05	2.77	91	0.56	18	--	3H	1W	
102.72	105.77	3.05	3.03	99	0.00	0	--	2H	1W	
105.77	108.81	3.04	2.7	89	1.29	42	--	3H	1W	
108.81	111.86	3.05	3.05	100	2.15	70	--	3H	1W	
111.86	114.91	3.05	2.98	98	2.06	68	--	3H	1W	
114.91	117.96	3.05	2.97	97	1.88	62	--	3H	1W	
117.96	121.00	3.04	2.51	83	0.37	12	--	1H	1W	soft crumbly zone
121.00	124.05	3.05	2.86	94	0.63	21	--	1H	1W	
124.05	127.10	3.05	2.61	86	0.89	29	--	2H	1W	
127.10	130.15	3.05	2.88	94	0.72	24	--	1H	1W	
130.15	133.20	3.05	2.74	90	0.78	26	--	3H	1W	
133.20	136.25	3.05	2.95	97	0.89	29	--	2H	1W	
136.25	139.29	3.04	2.7	89	0.00	0	--	1H	1W	Soft crumbly material with pervasive fractures and infill
139.29	142.34	3.05	2.25	74	0.63	21	--	2H	1W	
142.34	143.86	1.52	1.33	88	0.26	17	--	1H	1W	EOH due to sand layer infilling DDH.

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
36	0.16	OVB	
37	0.598	OVB	
38	0.392	OVB	
39	0.3	OVB	
40	0.287	OVB	
41	0.242	OVB	
42	0.23	OVB	
43	0.304	OVB	
46	0.018	GRD	
47	0.263	GRD	
48	0.164	GRD	
49	0.233	GRD	
50	0.367	GRD	
51	0.329	GRD	
52	0.179	GRD	
53	0.417	GRD	
54	0.635	GRD	
55	0.925	GRD	
56	0.19	GRD	
57	0.172	GRD	
58	0.265	GRD	
59	0.265	GRD	
60	0.195	GRD	
61	0.215	GRD	
62	0.18	GRD	
63	0.253	GRD	
64	0.356	GRD	
65	0.191	GRD	
66	0.297	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
67	0.343	GRD	
68	0.327	GRD	
69	0.451	GRD	
70	0.275	GRD	
71	3.158	GRD	
72	0.809	GRD	
73	0.509	GRD	
74	0.373	GRD	
75	3.82	GRD	
76	2.465	GRD	
77	0.425	GRD	
78	0.33	GRD	
79	0.315	GRD	
80	0.25	GRD	
81	0.349	GRD	
82	0.296	GRD	
83	0.175	GRD	
84	0.442	GRD	
85	0.27	GRD	
86	0.453	GRD	
87	0.324	GRD	
88	0.353	GRD	
89	1.218	GRD	
90	0.702	GRD	
91	0.478	GRD	
92	0.358	GRD	
93	0.841	GRD	
94	2.211	GRD	
95	0.207	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
96	0.522	GRD	
97	1.25	GRD	
98	0.292	GRD	
99	0.396	GRD	
100	0.337	GRD	
101	0.247	GRD	
102	0.416	GRD	
103	0.211	GRD	
104	0.197	GRD	
105	0.285	GRD	
106	0.325	GRD	
107	0.235	GRD	
108	0.223	GRD	
109	0.295	GRD	
110	0.334	GRD	
111	0.319	GRD	
112	0.318	GRD	
113	0.275	GRD	
114	0.298	GRD	
115	0.291	GRD	
116	0.248	GRD	
117	0.26	GRD	
118	0.284	GRD	
119	0.251	GRD	
120	0.306	GRD	
121	0.243	GRD	
122	0.298	GRD	
123	0.35	GRD	
124	0.299	GRD	
125	0.262	GRD	
126	0.371	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
127	0.254	GRD	
128	0.413	GRD	
129	0.2	GRD	
130	0.386	GRD	
131	0.283	GRD	
132	0.399	GRD	
133	0.272	GRD	
134	0.229	GRD	
135	0.256	GRD	
136	0.331	GRD	
137	0.256	GRD	
138	0.332	GRD	
139	0.314	GRD	
140	0.325	GRD	
141	0.272	GRD	
142	0.422	GRD	
143	0.468	GRD	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	k290409	☐	16-004		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k290406	☐	16-004			☑	☐	☐
61.12	61.61	0.49	GRD	0.49	100	k290401	☐	16-004			☐	☐	☐
61.61	62.25	0.64	GRD	0.48	75	k290402	☐	16-004			☐	☐	☐
62.25	62.67	0.42	GRD	0.42	100	k290403	☐	16-004			☐	☐	☐
62.67	63.49	0.82	GRD	0.82	100	k290404	☐	16-004			☐	☐	☐
63.49	63.85	0.36	GRD	0.36	100	k290405	☐	16-004			☐	☐	☐
63.85	64.30	0.45	GRD	0.45	100	k290407	☐	16-004			☐	☐	☐
64.30	65.10	0.80	GRD	0.49	61	k290408	☐	16-004			☐	☐	☐
79.75	80.40	0.65	GRD	0.65	100	k290410	☐	16-004			☐	☐	☐
80.40	80.83	0.43	GRD	0.43	100	k290411	☐	16-004			☐	☐	☐
80.83	81.38	0.55	GRD	0.55	100	k290412	☐	16-004			☐	☐	☐
81.38	81.82	0.44	GRD	0.44	100	k290413	☐	16-004			☐	☐	☐
81.82	82.49	0.67	GRD	0.67	100	k290414	☐	16-004			☐	☐	☐
82.49	83.17	0.68	GRD	0.68	100	k290415	☐	16-004			☐	☐	☐
127.52	127.97	0.45	GRD	0.45	100	k290416	☐	16-004			☐	☐	☐
127.52	127.97	0.45	GRD	0.45	100	k290417	☐	16-004			☐	☐	☑
127.97	128.41	0.44	GRD	0.44	100	k290418	☐	16-004			☐	☐	☐
128.41	128.97	0.56	GRD	0.56	100	k290419	☐	16-004			☐	☐	☐
128.97	129.50	0.53	GRD	0.50	94	k290420	☐	16-004			☐	☐	☐
129.50	130.00	0.50	GRD	0.50	100	k290421	☐	16-004			☐	☐	☐

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Western BRX

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-004	K290406	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-004	K290409	0.00	0.00	0.35	330	☐	☐	☐	☑ KL-STD4	
16-004	K290401	61.12	61.61	0.00	1580	☐	☐	☐	☐	
16-004	K290402	61.61	62.25	0.01	9160	☐	☐	☐	☐	
16-004	K290403	62.25	62.67	0.00	1080	☐	☐	☐	☐	
16-004	K290404	62.67	63.49	0.00	1920	☐	☐	☐	☐	
16-004	K290405	63.49	63.85	0.00	1100	☐	☐	☐	☐	
16-004	K290407	63.85	64.30	0.00	1100	☐	☐	☐	☐	
16-004	K290408	64.30	65.10	0.00	2240	☐	☐	☐	☐	
		65.10	79.75			☐	☐	☐	☐	
16-004	K290410	79.75	80.40	0.00	1600	☐	☐	☐	☐	
16-004	K290411	80.40	80.83	0.00	1900	☐	☐	☐	☐	
16-004	K290412	80.83	81.38	0.00	870	☐	☐	☐	☐	
16-004	K290413	81.38	81.82	0.03	430	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-004	K290414	81.82	82.49	0.00	760	☐	☐	☐	☐	
16-004	K290415	82.49	83.17	0.00	810	☐	☐	☐	☐	
		83.17	######			☐	☐	☐	☐	
16-004	K290416	127.52	127.97	0.00	2070	☐	☐	☐	☐	
16-004	K290417	127.52	127.97	0.00	2210	☐	☑	☐	☐	
16-004	K290418	127.97	128.41	0.00	2140	☐	☐	☐	☐	
16-004	K290419	128.41	128.97	0.01	1110	☐	☐	☐	☐	
16-004	K290420	128.97	129.50	0.00	470	☐	☐	☐	☐	
16-004	K290421	129.50	130.00	0.00	500	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
63.49	63.85	VN	37	40	NUL	1	Weakly phyllic argillic altered granodiorite with moderate weathering. Contains a concentrated pyrite stringer ~2cm long.			
								Py	3	BL
73.04	73.25	VN	37	50	NUL	1	Smokey quartz vein (1.5cm) with disseminated pyrite stringers emanating from small micro fractures surrounding the vein. Proximal to a moderately pervasive chlorite halo along the smokey quartz selvedges that envelopes blebs of rhodochrosite and smokey quartz. Trace to minor amounts of hematite stain present. Light brecciation along both smokey quartz vein and chloritized halo.			
								Py	1	BN
								Rh	2	BL
								He	1	BN
77.40	77.50	VN	37	60	NUL	1	Fractures smokey quartz vein (4.5cm) with hematite staining along fracture/joint faces.			
								He	2	---
78.42	78.61	VN	37	45	NUL	1	Chlorite vein ~2cm flooded by blebby quartz carbonate veins. Slight net and brecciated texture with no mineralization present.			
								Cl	10	BN
81.38	81.89	VN	37	40	NUL	3	Moderately phyllic altered granodiorite with brecciated smokey quartz vein across ~24cm. Smokey quartz vein contains pervasive bull quartz/carbonate blebs, as well as blebs and stringers of pyrite/arsenopyrite/galena proximal to blebs and stringers of sphalerite. Two quartz/pyrite veinlets (~1cm) found in two 13cm intervals below initial brecciated vein.			
								Py	1	DI
								Py	1	BL
								Gn	1	DI
								As	0.5	DI
								Sp	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
93.60	93.83	VN	37	45	NUL	1	Weakly potassic/propylitic altered granodiorite crosscut by two quartz/smokey quartz veins (6cm apart). The first vein is a quartz/carbonate vein (6cm) containing pervasive blebs of chlorite. This vein is surrounded by a small chlorite halo (1cm) and hosts disseminated to slightly blebby hematite/pyrite along the lower selvege. The second vein is a smokey quartz vein with no mineralization that pervasively crosscuts propylitic/potassic altered granodiorite in a netted texture.			
								Py	1	DI
								He	1	BL
								He	1	DI
								Py	1	BL
93.94	94.06	VN	37	45	NUL	1	Quartz/carbonate vein (4cm) cross cutting weakly potassic/propylitic altered granodiorite and black hematite veinlets following the selvedges of the vein			
								He	4	BL
128.43	128.96	VN	37	30	NUL	2	The first vein is a small smokey quartz vein (1cm) that displays disseminated arsenopyrite, pyrite, and honey sphalerite. The second veinlet is a disseminated smokey quartz/pyrite vein that has been obilterated by heavy gouge alteration.			
								Py	2	DI
								Sp	1	DI
								As	1	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383481	6889566	1389.87	154.53

ZONE: Pearl

SECTION:

HOLE: KL-16-297

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: Jun 25 - Jun 26, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	206.9	-49.8	Reflex
154.53	33.7	-50.9	Reflex

TARGET: Pearl

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.1	5.1	CAS
5.1	10.77	5.67	GRD
10.77	19.46	8.69	GRD
19.46	67.1	47.64	GRD
67.1	126.19	59.09	GRD
126.19	135.36	9.17	GRD
135.36	139.7	4.34	QFP
139.7	144.15	4.45	GRD
144.15	154.53	10.38	GRD

SAMPLES	
Numbers:	K292017 to K292066, K292702 to K292703
Total:	52
Batch:	003, 006, 007
Certificates:	KL16107504, TR16108378, VA16104645

COMMENTS

Box Log

KL-16-297

Klaza
Pearl Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	5.1	10.15
2	10.15	14.48
3	14.48	18.6
4	18.6	22.96
5	22.96	26.52
6	26.52	30.53
7	30.53	34.8
8	34.8	39.25
9	39.25	43.17
10	43.17	47.62
11	47.62	51.54
12	51.54	55.87
13	55.87	60.12
14	60.12	64.19
15	64.19	68.54
16	68.54	72.79
17	72.79	76.73
18	76.73	81.28
19	81.28	85.71
20	85.71	89.8
21	89.8	94.16
22	94.16	98.51
23	98.51	102.72
24	102.72	106.89
25	106.89	110.94
26	110.94	114.94
27	114.94	119.15
28	119.15	123.54
29	123.54	127.6
30	127.6	131.9
31	131.9	136.21
32	136.21	140.22
33	140.22	144.45
34	144.45	148.63
35	148.63	153
36	153	154.53

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-297									
	83.61	19	NQ2	GRD	994.3	621.2	2.46	2.7	Trace to weakly propyllitic and potassic altered granodiorite.
	128.25	23	NQ2	GRD	1264.1	817.4	2.59	2.8	Pearl Vein: Polymetallic smokey quartz vein breccia. Smokey quartz brecciates granule to cobble sized clasts of silicified phyllic granodiorite and grey quartz vein. Hosts disseminated to blebby arsenopyrite, galena, blackjack sphalerite and pyrite.
	132.62	7.5	NQ2	GRD	415.7	281.3	2.61	3.1	Pearl Vein: Polymetallic vein with central carbonate band. Blebby honey brown sphalerite, pyrite, arsenopyrite, and interstitial galena. Galena is interstitial to honey brown sphalerite. Pyrite and arsenopyrite are intergrown. Mineralization tends to cluster along vein margins, with white carbonate and ankerite along the center. The vein is bordered by gouge.
	137	12.65	NQ2	QFP	681.5	427.1	2.54	2.7	Medium grey to light grey quartz feldspar porphyry dyke. Hosts sporadic white calcite veins at various orientation.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.10	10.77	5.67	GRD	MG	Rubbly moderate to strongly unaltered granodiorite with patchy weak to moderate argillic alteration. Oxidation obscures rock textures.							
						MD	GY	RB	OXI	3I		
						MD	OR	PA	OXI	4I		
									ARG	3I		
									ARG	2I		
10.77	19.46	8.69	GRD	MG	Silicified moderate phyllic alteration envelope hosting a quartz/carbonate/pyrite vein breccia, a quartz/pyrite vein a weakly mineralized gouge zone, multiple pyrite stringers and disseminated pyrite. Phyllic alteration transitions do moderate argillic alteration distally from veining and mineralization. Moderate oxidation along fracture surfaces and strong oxidation in areas of stronger mineralization.							
						MD	OR		OXI	4I		
						LT	GN	EN	OXI	3I	Py	1
						LT	WH		PHC	3I		
									SIL	3I		
									ARG	3I		
19.46	23.04	3.58	GRD	MG	Unaltered granodiorite with minor patches of weak argillic alteration. Weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		ARG	2I		
						LT	WH					
						LT	GN					
23.04	29.39	6.35	GRD	MG	Moderately argillic altered granodiorite with minor patchy weak phyllic alteration. Moderate to strong oxidation along fracture surfaces with large patches of strong pervasive oxidation obscuring rock textures. Contains multiple broken up or rubbly patches.							
						MD	OR	RB	OXI	3I		
						LT	WH	FR	OXI	4I		
								PA	ARG	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
29.39	33.80	4.41	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
33.80	43.98	10.18	GRD	MG	Silicified weak to moderate phyllic altered granodiorite with occasional patches of weak argillic alteration. Moderate oxidation along fracture surfaces with occasional patches of strong pervasive oxidation.							
						MD	GN		PHC	3I		
						MD	OR		ARG	2I		
						LT	GN		PHC	2I		
						LT	GY		SIL	3I		
									OXI	2I		
									OXI	3I		
									OXI	4I		
43.98	47.85	3.87	GRD	MG	Silicified weakly phyllic/propyllitic altered granodiorite with weak oxidation along fracture surfaces.							
						MD	GN		OXI	2I		
						LT	GY		PHC	3I		
						LT	GN		PRO	2I		
									SIL	3I		
									PHC	2I		
47.85	53.70	5.85	GRD	MG	Silicified moderately phyllic and weakly propyllitic altered granodiorite with patchy weak to moderate argillic alteration. Patchy moderate to strong pervasive oxidation throughout.							
						MD	GY		OXI	4I		
						MD	OR		PRO	2I		
						MD	GN		ARG	2I		
						LT	GN		PHC	3I		
						LT	GY		OXI	3I		
									ARG	3I		
53.70	63.90	10.20	GRD	MG	Silicified moderately phyllic and weakly propyllitic altered granodiorite hosting sporadic quartz pyrite veinlets and stringers along with a quartz/carbonate/pyrite vein. Trace disseminated pyrite throughout interval. Weak to moderate oxidation along fracture surfaces.							
						MD	GN		OXI	2I		
						MD	OR		OXI	3I		
						LT	GN		SIL	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I		
									PHC	3I		
63.90	67.10	3.20	GRD	MG	Weakly propyllitic and potassic altered granodiorite with minor patchy trace to weak phyllic alteration.							
						LT	GY		PHC	2I		
						LT	GN		SIL	2I		
									PHC	1I		
									PRO	2I		
									POT	2I		
67.10	75.05	7.95	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Sporadic trace to weak oxidation along fractures surfaces. Has sporadic minor patches of weak to moderate argillic/propyllitic alteration.							
						MD	GY		OXI	1I		
						MD	PK		PRO	2I		
						DK	GN		OXI	2I		
									PRO	1I		
									POT	1I		
									POT	2I		
75.05	75.99	0.94	GRD	MG	Moderately argillic and weakly propyllitic altered granodiorite hosting multiple calcite and quartz/carbonate veins and veinlets of various widths and orientations.							
						MD	GN		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN					
75.99	88.56	12.57	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Sporadic trace to weak oxidation along fractures surfaces. Has sporadic minor patches of weak to moderate argillic/propyllitic alteration.							
						MD	GY		OXI	1I		
						MD	PK		PRO	2I		
						DK	GN		OXI	2I		
									POT	2I		
									PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.56	90.53	1.97	GRD	MG	Silicified moderate to strong phyllic and weakly propyllitic altered granodiorite. Hosts a net/flooding of light gray quartz and tan ankerite hosting pyrite and sphalerite. Trace disseminated pyrite throughout the envelope.							
						MD	GN		PRO	2I		
						LT	GN	EN	SIL	3I	Py	0.1
									PHC	3I		
									PHC	4I		
90.53	96.38	5.85	GRD	MG	Moderate argillic altered granodiorite with patchy weak phyllic overprinting and minor phyllic/propyllitic envelopes around sporadic quartz +/- carbonate veinlets.							
						LT	WH	PA	PRO	2I		
						LT	GN		PHC	2I		
						DK	GN		ARG	3I		
96.38	126.19	29.81	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Sporadic trace to weak oxidation along fractures surfaces. Has sporadic minor patches of weak to moderate argillic/propyllitic alteration.							
						MD	PK		PRO	1I		
						MD	GY		OXI	2I		
						DK	GN		PRO	2I		
									OXI	1I		
									POT	1I		
									POT	2I		
126.19	135.36	9.17	GRD	MG	Pearl Vein Zone. Silicified moderate phyllic altered granodiorite with patchy weak to moderate vein zone. Hosts and abundance of polymetallic black breccia veins of varying widths.							
						MD	GN		SIL	2I		
						LT	GN		PRO	2I		
						DK	GN		PHC	3I		
135.36	139.70	4.34	QFP	FG	Medium grey to light grey quartz feldspar porphyry dyke. Hosts sporadic white calcite veins at various orientation.							
						MD	GY					
						LT	GY	PO				
139.70	144.15	4.45	GRD	MG	Unaltered granodiorite with multiple phyllic/propyllitic envelopes around black breccia veins.							
						MD	GY	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.10	10.77	5.67	GRD	MG	Rubbly moderate to strongly unaltered granodiorite with patchy weak to moderate argillic alteration. Oxidation obscures rock textures.							
						MD	OR	PA	OXI	4I		
									ARG	3I		
									ARG	2I		
						MD	GY	RB	OXI	3I		
10.77	19.46	8.69	GRD	MG	Silicified moderate phyllic alteration envelope hosting a quartz/carbonate/pyrite vein breccia, a quartz/pyrite vein a weakly mineralized gouge zone, multiple pyrite stringers and disseminated pyrite. Phyllic alteration transitions do moderate argillic alteration distally from veining and mineralization. Moderate oxidation along fracture surfaces and strong oxidation in areas of stronger mineralization.							
									ARG	3I		
						LT	GN	EN	OXI	3I	Py	1
						MD	OR		OXI	4I		
						LT	WH		PHC	3I		
									SIL	3I		
19.46	67.10	47.64	GRD	MG	Unaltered granodiorite with minor patches of weak argillic alteration. Weak to moderate oxidation along fracture surfaces. Unaltered granodiorite is broken up by large intervals of strongly oxidized phyllic and/or argillic oxidation. Minor quartz/pyrite veining in altered patches.							
						LT	WH		PHC	2I		
						LT	GN		PHC	3I		
						MD	OR		OXI	4I		
									ARG	2I		
									ARG	3I		
						MD	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
67.10	126.19	59.09	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Sporadic trace to weak oxidation along fractures surfaces. Has sporadic minor patches of moderate argillic/propyllitic alteration and multiple silicified phyllic->argillic envelopes around quartz/carbonate +/- sulphide veining.							
									POT	2I		
						MD	GY		OXI	1I		
						DK	GN		OXI	2I		
						MD	PK		PRO	2I		
									PRO	1I		
									POT	1I		
126.19	135.36	9.17	GRD	MG	Pearl Vein Zone. Silicified moderate phyllic altered granodiorite with patchy weak to moderate vein zone. Hosts and abundance of polymetallic black breccia veins of varying widths.							
						DK	GN		SIL	2I		
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
135.36	139.70	4.34	QFP	FG	Medium grey to light grey quartz feldspar porphyry dyke. Hosts sporadic white calcite veins at various orientation.							
						MD	GY					
						LT	GY	PO				
139.70	144.15	4.45	GRD	MG	Unaltered granodiorite with multiple phyllic/propyllitic envelopes around black breccia veins.							
						LT	GN		PRO	3I		
						MD	GY	EN	PHC	3I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0	0	0.00	0	--	--	--	Casing
5.18	8.23	3.05	1.92	63	0.42	14	--	2H	4W	
8.23	11.28	3.05	2.25	74	0.16	5	--	1H	4W	
11.28	14.33	3.05	1.9	62	0.21	7	--	2H	4W	
14.33	17.37	3.04	2.82	93	1.64	54	--	3H	3W	
17.37	20.42	3.05	2.7	89	1.03	34	--	3H	4W	
20.42	23.47	3.05	2.8	92	1.22	40	--	3H	4W	
23.47	26.52	3.05	2.4	79	0.66	22	--	2H	5W	Rubble Zone
26.52	29.57	3.05	2.45	80	0.95	31	--	3H	4W	
29.57	32.61	3.04	2.94	97	2.41	79	--	4H	2W	
32.61	35.66	3.05	2.34	77	1.64	54	--	3H	2W	
35.66	38.71	3.05	2.42	79	0.89	29	--	3H	3W	
38.71	41.76	3.05	2.75	90	0.60	20	--	2H	4W	
41.76	44.81	3.05	3.02	99	2.29	75	--	3H	2W	
44.81	47.85	3.04	2.95	97	2.58	85	--	3H	1W	
47.85	50.90	3.05	2.9	95	1.66	54	--	3H	3W	
50.90	53.95	3.05	2.9	95	1.24	41	--	2H	3W	
53.95	57.00	3.05	2.95	97	1.93	63	--	3H	2W	
57.00	60.05	3.05	2.9	95	1.46	48	--	2H	2W	
60.05	63.09	3.04	2.85	94	1.43	47	--	3H	3W	
63.09	66.14	3.05	2.99	98	2.51	82	--	3H	2W	
66.14	69.19	3.05	3.01	99	2.72	89	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.73	90	--	4H	1W	
72.24	75.29	3.05	2.92	96	1.99	65	--	4H	2W	
75.29	78.33	3.04	2.79	92	0.91	30	--	3H	3W	
78.33	81.38	3.05	2.75	90	0.80	26	--	3H	4W	
81.38	84.43	3.05	2.88	94	2.48	81	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.99	98	--	4H	1W	
87.48	90.53	3.05	2.99	98	2.79	91	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	3.04	100	2.35	77	--	3H	1W	
93.57	96.62	3.05	3	98	1.60	52	--	3H	1W	
96.62	99.67	3.05	2.74	90	1.51	50	--	3H	1W	
99.67	102.72	3.05	2.7	89	1.20	39	--	4H	1W	
102.72	105.77	3.05	3.03	99	1.79	59	--	4H	1W	
105.77	108.81	3.04	3	99	1.67	55	--	3H	1W	
108.81	111.86	3.05	2.74	90	1.20	39	--	4H	1W	
111.86	114.91	3.05	2.92	96	1.28	42	--	4H	1W	
114.91	117.96	3.05	2.03	67	0.44	14	--	4H	1W	Rubbly zone
117.96	121.01	3.05	1.73	57	0.10	3	--	4H	1W	Rubbly zone
121.01	124.05	3.04	2.89	95	2.39	79	--	4H	1W	
124.05	127.10	3.05	3.03	99	2.53	83	--	3H	1W	
127.10	130.15	3.05	3.05	100	2.35	77	--	3H	1W	
130.15	133.20	3.05	3.02	99	1.43	47	--	2H	1W	
133.20	136.25	3.05	3.04	100	2.31	76	--	3H	1W	
136.25	139.29	3.04	2.97	98	1.40	46	--	3H	1W	
139.29	142.34	3.05	2.95	97	1.63	53	--	3H	1W	
142.34	145.39	3.05	3.05	100	1.93	63	--	4H	1W	
145.39	148.44	3.05	2.97	97	1.97	65	--	4H	1W	
148.44	151.49	3.05	2.85	93	1.87	61	--	4H	1W	
151.49	154.53	3.04	2.76	91	1.43	47	--	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
6	5.61	GRD	
7	10.3	GRD	
8	9.24	GRD	
9	0.16	GRD	
10	0.183	GRD	
11	0.033	GRD	
12	0.152	GRD	
13	0.033	GRD	
14	0.046	GRD	
15	0.428	GRD	
16	0.522	GRD	
17	0.376	GRD	
18	0.172	GRD	
19	0.535	GRD	
20	0.393	GRD	
21	1.84	GRD	
22	7.86	GRD	
23	0.757	GRD	
24	0.125	GRD	
25	0	GRD	no large enough piece to mag.
26	0.982	GRD	
27	0.437	GRD	
28	0.496	GRD	
29	0.242	GRD	
30	32.2	GRD	
31	15.6	GRD	
32	0.62	GRD	
33	0.284	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
34	1.5	GRD	
35	0.312	GRD	
36	0.421	GRD	
37	0.319	GRD	
38	0.191	GRD	
39	0.17	GRD	
40	0.221	GRD	
41	0.096	GRD	
42	0.197	GRD	
43	0.265	GRD	
44	0.155	GRD	
45	0.228	GRD	
46	0.156	GRD	
47	0.209	GRD	
48	0.322	GRD	
49	1.57	GRD	
50	0.17	GRD	
51	0.51	GRD	
52	0.188	GRD	
53	0.249	GRD	
54	0.582	GRD	
55	21.1	GRD	
56	0.367	GRD	
57	0.221	GRD	
58	0.592	GRD	
59	0.44	GRD	
60	0.273	GRD	
61	0.177	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
62	0	GRD	no piece thick enough to mag.
63	0.177	GRD	
64	0.379	GRD	
65	5.68	GRD	
66	20.6	GRD	
67	30.7	GRD	
68	33	GRD	
69	51.6	GRD	
70	51.8	GRD	
71	43.4	GRD	
72	30.3	GRD	
73	0.809	GRD	
74	29.4	GRD	
75	0.157	GRD	
76	0.134	GRD	
77	0.167	GRD	
78	0.139	GRD	
79	0.142	GRD	
80	28.4	GRD	
81	0.153	GRD	
82	35.2	GRD	
83	38.8	GRD	
84	62.9	GRD	
85	52	GRD	
86	0.2	GRD	
87	0.164	GRD	
88	1.2	GRD	
89	0.177	GRD	
90	0.167	GRD	
91	0.165	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
92	0.344	GRD	
93	0.292	GRD	
94	0.727	GRD	
95	0.388	GRD	
96	1.76	GRD	
97	20.5	GRD	
98	46.4	GRD	
99	24.8	GRD	
100	0.471	GRD	
101	16.5	GRD	
102	1.43	GRD	
103	40.5	GRD	
104	38.4	GRD	
105	21.7	GRD	
106	0.517	GRD	
107	35.6	GRD	
108	22.3	GRD	
109	40.2	GRD	
110	38	GRD	
111	2.92	GRD	
112	36.2	GRD	
113	43.2	GRD	
114	42.1	GRD	
115	6.4	GRD	
116	52.9	GRD	
117	8.53	GRD	
118	3.99	GRD	
119	0.3	GRD	
120	0	GRD	no large enough piece to mag.
121	25.2	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	18.5	GRD	
123	27.5	GRD	
124	23.1	GRD	
125	40	GRD	
126	0.152	GRD	
127	0.258	GRD	
128	0.396	GRD	
129	0.186	GRD	
130	0.168	GRD	
131	0	GRD	no piece large enough to mag.
132	0.522	GRD	
133	0.334	GRD	
134	0.315	GRD	
135	0.454	GRD	
136	0.358	QFP	
137	0.257	QFP	
138	0.249	QFP	
139	0.275	QFP	
140	0.249	GRD	
141	5.56	GRD	
142	10.3	GRD	
143	17	GRD	
144	17.8	GRD	
145	25.8	GRD	
146	30.2	GRD	
147	38.7	GRD	
148	19.7	GRD	
149	20.4	GRD	
150	4.22	GRD	
151	23.9	GRD	
152	15.1	GRD	
153	18.7	GRD	
154	2.74	GRD	EOH

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292024	☐	16-006			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292036	☐	16-006			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292039	☐	16-006		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292056	☐	16-007			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292020	☐	16-006		KL-STD4	☐	☐	☐
10.81	11.40	0.59	GRD	0.52	88	K292017	☐	16-006			☐	☐	☐
11.40	11.93	0.53	GRD	0.53	100	K292018	☐	16-006			☐	☐	☐
11.93	12.48	0.55	GRD	0.55	100	K292019	☐	16-006			☐	☐	☐
12.48	14.33	1.85	GRD	1.08	58	K292021	☐	16-006			☐	☐	☐
14.33	14.92	0.59	GRD	0.59	100	K292022	☐	16-006			☐	☐	☐
14.92	15.28	0.36	GRD	0.36	100	K292023	☐	16-006			☐	☐	☐
15.28	15.99	0.71	GRD	0.71	100	K292025	☐	16-006			☐	☐	☐
15.99	17.77	1.78	GRD	1.72	97	K292026	☐	16-006			☐	☐	☐
17.77	18.27	0.50	GRD	0.50	100	K292027	☐	16-006			☐	☐	☐
18.27	18.77	0.50	GRD	0.50	100	K292028	☐	16-006			☐	☐	☐
18.77	19.27	0.50	GRD	0.50	100	K292029	☐	16-006			☐	☐	☐
19.27	19.78	0.51	GRD	0.50	98	K292030	☐	16-006			☐	☐	☐
87.55	88.09	0.54	GRD	0.44	81	K292031	☐	16-006			☐	☐	☐
88.09	88.59	0.50	GRD	0.50	100	K292032	☐	16-006			☐	☐	☐
88.09	88.59	0.50	GRD	0.50	100	K292033	☐	16-006			☐	☑	☐
88.59	89.17	0.58	GRD	0.58	100	K292034	☐	16-006			☐	☐	☐
89.17	90.18	1.01	GRD	1.00	99	K292035	☐	16-006			☐	☐	☐
90.18	90.77	0.59	GRD	0.53	90	K292037	☐	16-006			☐	☐	☐
90.77	93.00	2.23	GRD	2.23	100	K292038	☐	16-006			☐	☐	☐
93.00	93.57	0.57	GRD	0.57	100	K292040	☐	16-006			☐	☐	☐
93.57	94.16	0.59	GRD	0.59	100	K292041	☐	16-006			☐	☐	☐
124.64	125.14	0.50	GRD	0.50	100	K292042	☐	16-006			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
125.14	125.64	0.50	GRD	0.50	100	K292043	☐	16-006			☐	☐	☐
125.64	126.17	0.53	GRD	0.51	96	K292044	☐	16-006			☐	☐	☐
126.17	126.78	0.61	GRD	0.61	100	K292045	☐	16-007			☐	☐	☐
126.78	127.31	0.53	GRD	0.52	98	K292046	☐	16-007			☐	☐	☐
127.31	127.89	0.58	GRD	0.58	100	K292047	☐	16-007			☐	☐	☐
127.89	128.43	0.54	GRD	0.54	100	K292702	☐	16-003			☐	☐	☐
128.43	129.00	0.57	GRD	0.57	100	K292048	☐	16-007			☐	☐	☐
129.00	130.21	1.21	GRD	1.21	100	K292049	☐	16-007			☐	☐	☐
129.00	130.21	1.21	GRD	1.21	100	K292050	☐	16-007			☐	☑	☐
130.21	131.90	1.69	GRD	1.63	96	K292051	☐	16-007			☐	☐	☐
131.90	132.42	0.52	GRD	0.52	100	K292052	☐	16-007			☐	☐	☐
132.42	132.92	0.50	GRD	0.48	96	K292703	☐	16-003			☐	☐	☐
132.92	133.41	0.49	GRD	0.49	100	K292053	☐	16-007			☐	☐	☐
133.41	133.92	0.51	GRD	0.51	100	K292054	☐	16-007			☐	☐	☐
133.92	134.64	0.72	GRD	0.72	100	K292055	☐	16-007			☐	☐	☐
134.64	135.36	0.72	GRD	0.72	100	K292057	☐	16-007			☐	☐	☐
135.36	136.93	1.57	GRD, QFP	1.57	100	K292058	☐	16-007			☐	☐	☐
136.93	138.55	1.62	QFP	1.62	100	K292059	☐	16-007			☐	☐	☐
138.55	139.70	1.15	QFP	1.15	100	K292060	☐	16-007			☐	☐	☐
139.70	141.13	1.43	QFP, GRD	1.24	87	K292061	☐	16-007			☐	☐	☐
139.70	141.13	1.43	QFP, GRD	1.24	87	K292062	☐	16-007			☐	☐	☑
141.13	141.67	0.54	GRD	0.54	100	K292063	☐	16-007			☐	☐	☐
141.67	142.77	1.10	GRD	1.10	100	K292064	☐	16-007			☐	☐	☐
142.77	144.02	1.25	GRD	1.23	98	K292065	☐	16-007			☐	☐	☐
144.02	144.52	0.50	GRD	0.50	100	K292066	☐	16-007			☐	☐	☐

KL-16-297
Pearl

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	10.81			☐	☐	☐	☐	
16-006	K292020	0.00	0.00	0.37	820	☐	☐	☐	☑ KL-STD4	
16-006	K292024	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-006	K292036	0.00	0.00	0.00	80	☐	☐	☑	☐	
16-006	K292039	0.00	0.00	0.85	1010	☐	☐	☐	☑ KL-STD5	
16-007	K292056	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-006	K292017	10.81	11.40	0.05	2440	☐	☐	☐	☐	
16-006	K292018	11.40	11.93	0.02	1980	☐	☐	☐	☐	
16-006	K292019	11.93	12.48	0.07	1970	☐	☐	☐	☐	
16-006	K292021	12.48	14.33	0.72	1640	☐	☐	☐	☐	
16-006	K292022	14.33	14.92	0.04	1710	☐	☐	☐	☐	
16-006	K292023	14.92	15.28	0.09	880	☐	☐	☐	☐	
16-006	K292025	15.28	15.99	0.06	910	☐	☐	☐	☐	
16-006	K292026	15.99	17.77	0.28	550	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-006	K292027	17.77	18.27	2.09	780	☐	☐	☐	☐	
16-006	K292028	18.27	18.77	0.03	1260	☐	☐	☐	☐	
16-006	K292029	18.77	19.27	0.01	1550	☐	☐	☐	☐	
16-006	K292030	19.27	19.78	0.01	2900	☐	☐	☐	☐	
		19.78	87.55			☐	☐	☐	☐	
16-006	K292031	87.55	88.09	0.01	1700	☐	☐	☐	☐	
16-006	K292032	88.09	88.59	0.00	1260	☐	☐	☐	☐	
16-006	K292033	88.09	88.59	0.00	1250	☑	☐	☐	☐	
16-006	K292034	88.59	89.17	0.02	830	☐	☐	☐	☐	
16-006	K292035	89.17	90.18	0.29	370	☐	☐	☐	☐	
16-006	K292037	90.18	90.77	0.01	920	☐	☐	☐	☐	
16-006	K292038	90.77	93.00	0.01	940	☐	☐	☐	☐	
16-006	K292040	93.00	93.57	0.23	1030	☐	☐	☐	☐	
16-006	K292041	93.57	94.16	0.00	1690	☐	☐	☐	☐	
		94.16	######			☐	☐	☐	☐	
16-006	K292042	124.64	125.14	0.00	1990	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-006	K292043	125.14	125.64	0.00	1880	☐	☐	☐	☐	
16-006	K292044	125.64	126.17	0.01	1100	☐	☐	☐	☐	
16-007	K292045	126.17	126.78	0.04	720	☐	☐	☐	☐	
16-007	K292046	126.78	127.31	0.01	790	☐	☐	☐	☐	
16-007	K292047	127.31	127.89	0.08	810	☐	☐	☐	☐	
16-003	K292702	127.89	128.43	0.63	270	☐	☐	☐	☐	
16-007	K292048	128.43	129.00	0.06	870	☐	☐	☐	☐	
16-007	K292049	129.00	130.21	0.02	510	☐	☐	☐	☐	
16-007	K292050	129.00	130.21	0.02	520	☑	☐	☐	☐	
16-007	K292051	130.21	131.90	0.02	1430	☐	☐	☐	☐	
16-007	K292052	131.90	132.42	0.12	1180	☐	☐	☐	☐	
16-003	K292703	132.42	132.92	0.77	310	☐	☐	☐	☐	
16-007	K292053	132.92	133.41	0.06	800	☐	☐	☐	☐	
16-007	K292054	133.41	133.92	0.01	2780	☐	☐	☐	☐	
16-007	K292055	133.92	134.64	0.06	1420	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-007	K292057	134.64	135.36	0.06	2350	☐	☐	☐	☐	
16-007	K292058	135.36	136.93	0.00	1120	☐	☐	☐	☐	
16-007	K292059	136.93	138.55	0.00	1560	☐	☐	☐	☐	
16-007	K292060	138.55	139.70	0.00	2990	☐	☐	☐	☐	
16-007	K292061	139.70	141.13	0.02	1630	☐	☐	☐	☐	
16-007	K292062	139.70	141.13	0.02	1640	☐	☑	☐	☐	
16-007	K292063	141.13	141.67	0.02	1030	☐	☐	☐	☐	
16-007	K292064	141.67	142.77	0.01	2210	☐	☐	☐	☐	
16-007	K292065	142.77	144.02	0.00	2250	☐	☐	☐	☐	
16-007	K292066	144.02	144.52	0.00	2400	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
12.18	12.49	BX	34	-	NUL	1	Rubbly, fractured weakly phyllic/argillic altered granodiorite that has undergone brecciation. Fractures are moderately to strongly oxidized, and disseminated to slight blebs of pyrite can be found.			
								Py	1	BL
								Py	1	DI
15.05	15.20	VN	37	45	NUL	1	Weakly phyllic/argillic altered granodiorite that contains a strongly oxidized zone hosting semi-massive to blebby pyrite in a pervasive quartz vein (~10cm).			
								Py	5	MA
								Py	2	BL
18.10	18.30	GO	34	-	NUL	1	Weakly phyllic/propylitic altered granodiorite with highly oxidized fractures containing a zone of severely oxidized phyllic/propylitic granodiorite (~10cm). The severely oxidized zone and immediate surrounding altered granodiorite hosts trace disseminated pyrite.			
								Py	1	DI
24.26	24.43	GO	34	-	NUL	1	intensely gouge altered argillic granodiorite with weak to moderate oxidation. Gouge contains disseminated to blebby pyrite.]			
								Py	3	DI
								Py	1	BL
34.90	35.00	ST		65	NUL	1	Argillic phyllic altered granodiorite with slight oxidation containing an fracture filled pyrite stringer.			
								Py	3	DI
41.55	41.41	VN	37	85	NUL	1	Weakly phyllic to propylitic altered granodiorite with an oxidized slightly gouge altered quartz vein containing black stringers of ground pyrite and slightly blebby to disseminated pyrite. Pyrite stringers eminate from the vein into a phyllic propylitic altered halo.			
								Py	2	DI
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
49.50	49.64	VN	37	75	NUL	1	Weak phyllic to weak/moderate argillic altered granodiorite with weak to moderate oxidation. Zone is weakly gouge altered with brecciation occurring. Hosts black breccia, pyrite.			
								Py	1	DI
58.22	58.38	VN	37	45	NUL	1	weakly argillic/phyllic altered granodiorite that has seen weak oxidation. Oxidized quartz/carbonate vein (4cm) hosting disseminated to blebby pyrite, disseminated black to honey sphalerite and disseminated galena cross cuts zone.			
								Py	1	BL
								Py	2	DI
								Sp	1	DI
								Gn	1	DI
59.56	59.35	VT	37	75	NUL	2	two smokey quartz veinlets (0.5,0.7cm) intersecting weakly phyllic/argillic altered granodiorite. Veinlets contain disseminated pyrite/arsenopyrite stringers throughout, with arsenopyrite and pyrite also present disseminated through ~13cm of argillic/phyllic altered granodiorite around main veinlet.			
								Py	6	DI
								As	4	DI
59.94	59.85	VN	37	60	NUL	1	Weak phyllic to argillic granodiorite that has an oxidized gouge altered vein of semi massive pyrite leading to disseminated pyrite throughout a slightly oxidized argillic halo.			
								Py	5	DI
								Py	35	MA
66.83	68.49	DY	37	60	NUL	2	Aplite dyke crosscutting trace potassic/phyllic altered granodiorite. Aplite intersects granodiorite in two sections (2cm, 20cm) over 1.7m			
74.64	74.68	DY	37	40	NUL	1	Aplite dyke cross cutting weakly argillic/phyllic altered granodiorite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
89.17	89.98	VN	37	45	NUL	1	Trace to weak argillic altered granodiorite with weak to slightly moderate phyllic overprinting and weak to moderate silicification. This vein zone is an interconnected net texture of quartz/ankerite flooding over a 70cm interval. This interval hosts disseminated/blebby/semi-massive pyrite in association with disseminated to blebby sphalerite (both honey brown and blackjack) throughout the entire flooded zone, along with disseminated to semi-blebby arsenopyrite found within a single quartz zone.			
								Sp	2	DI
								Py	1	DI
								As	0.5	BL
								As	1	DI
								Py	1	BL
								Py	2	MA
90.07	90.13	VN	37	50	NUL	1	smoky quartz / carbonate vein zone found within weak argillic altered granodiorite with weak phyllic overprinting. This vein hosts disseminated pyrite and sphalerite found in stringers proximal to the smokey quartz injection.			
93.12	93.33	VN	37	70	NUL	3	Weaklty phyllic altered granodiorite overprinting argillic alteration that intersects three small veins. The first vein is a small quartz carbonate vein (3cm) hosting minor disseminated to blebby pyrite. Followed by a 1.5cm quartz/carbonate vein hosting blackjack sphalerite and tan ankerite. Small sphalerite stringers feed from the vein that contain trace disseminated pyrite. This vein is followed by a small quartz/ankerite veinlet with disseminated pyrite and sphalerite.			
								Py	2	DI
								Sp	3	DI
101.20	101.27	VN	37	40	NUL	1	Weakly propylitic/potassic altered granodiorite that intersects a quartz vein (1cm) that hosts minor disseminated pyrite.			
								Py	1	DI
105.91	105.94	VT	37	60	NUL	1	Weakly phyllic argillic altered granodiorite hosting a quartz vein (1cm) that contains trace to minor disseminated pyrite, and hematite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								He	1	DI
111.46	111.73	VN	37	85	NUL	1	Moderately phyllic/propylitic altered granodiorite which hosts two veins. The first vein is a quartz vein (~2cm) which hosts minor disseminated to slightly blebby pyrite, while the second is a 2cm quartz/carbonate vein that hosts blebby sphalerite (honey brown and blackjack), disseminated to blebby pyrite, and disseminated galena.			
								Gn	0.5	DI
								Py	1	BL
								Py	2	DI
								Sp	5	BL
126.26	126.27	VB	37	80	NUL	1	Smokey quartz vein breccia hosting disseminated pyrite.			
								Py	1	DI
126.48	126.51	VN	37	70	NUL	1	Smokey quartz vein breccia. Hosts granule to pebble sized clasts of phyllic altered granodiorite and grey quartz vein. Quartz hosts disseminated to blebby pyrite.			
								Py	3	BL
127.32	127.48	VB	37	50	NUL	1	Stringers, veinlets and veins of black breccia veining brecciate phyllic altered granodiorite. Hosts disseminated to blebby pyrite.			
127.89	127.97	VN	37	75	NUL	1	Smokey quartz vein breccia. Hosts granule to pebble sized clasts of phyllic altered granodiorite and grey quartz vein. Quartz hosts disseminated to blebby pyrite.			
								Py	5	BL
128.11	128.40	PL		80	NUL	1	Pearl Vein: Polymetallic smokey quartz vein breccia. Smokey quartz brecciates granule to cobble sized clasts of silicified phyllic granodiorite and grey quartz vein. Hosts disseminated to blebby arsenopyrite, galena, blackjack sphalerite and pyrite.			
								Py	10	BL
								Sp	2	BL
								As	2	BL
								Gn	1	DI
128.49	128.50	VN	37	80	NUL	1	Dark grey gouge seam hosting disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
128.62	128.70	VB	37	80	NUL	1	Smokey quartz vein breccia. Hosts granule to pebble sized clasts of phyllic altered granodiorite and grey quartz vein. Quartz hosts disseminated to blebby pyrite.			
								Py	1	DI
129.60	127.69	VB	37	50	NUL	1	Smokey quartz vein breccia. Hosts granule to pebble sized clasts of phyllic altered granodiorite and grey quartz vein. Quartz hosts disseminated to blebby pyrite.			
								Py	3	DI
130.16	130.20	VB	37	80	NUL	1	Smokey quartz vein breccia. Hosts granule to pebble sized clasts of phyllic altered granodiorite. Quartz hosts disseminated to blebby pyrite.			
								Py	3	BL
132.63	132.69	GO	34	60	NUL	1	Gouge seam with clasts of mineralized vein. Vein fragments contain pyrite and arsenopyrite.			
								Py	0.5	BL
								As	0.5	BL
132.72	133.17	BX	34	70	NUL	2	Smoky quartz breccia with pebbble-granule angular clasts of granodiorite. Some clasts host blebby pyrite, honey brown sphalerite, and trace galena.			
								Gn	0.1	BL
								Py	0.5	BL
								Sp	0.1	BL
132.75	132.78	PL		70	NUL	1	Pearl Vein: Polymetallic vein with central carbonate band. Blebby honey brown sphalerite, pyrite, arsenopyrite, and interstitial galena. Galena is interstitial to honey brown sphalerite. Pyrite and arsenopyrite are intergrown. Mineralization tends to cluster along vein margins, with white carbonate and ankerite along the center. The vein is bordered by gouge.			
								Sp	10	BL
								Gn	0.1	IN
								As	2	BL
								Py	10	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
133.27	133.39	BX	34	70	NUL	1	Lighter quartz-matrix breccia with sub-angular strongly altered phyllic granodiorite clasts. Clasts have partially obliterated primary textures and are silicified by matrix infill.			
134.07	135.07	BX	34	60	NUL	6	Series of 6 smoky quartz breccias of 3-10cm in width. Dark smoky quartz matrix tends to show a fine banding, unlike deeper similar breccias. Breccia matrix contains very fine disseminated pyrite.			
								Py	1	DI
136.43	136.44	VB	37	75	NUL	1	Black breccia vein with pebble sized clasts of phyllic granodiorite and granule sized clasts of quartz/pyrite vein.			
								Py	1	DI
141.22	143.93	BX	34	60	NUL	5	Series of 1-5cm wide smoky quartz breccias with fine disseminated pyrite and clasts of sub-angular propylitic granodiorite.			
								Py	0.5	DI
147.74	147.78	VN	37	30	NUL	1	Magnetite vein with blebby-fine pyrite and dark green chloritic halos.			
								Py	3	BL
								Mg	75	MA
150.22	150.29	BX	34	65	NUL	1	Black breccia with dark smoky quartz breccia and pyrite-rich angular clasts of propylytic granodiorite. There is some blebby sphalerite where pyrite is heavily concentrated.			
								Sp	0.5	BL
								Py	2	BL
154.15	154.18	DY	37	40	NUL	1	Pink aplite dyke with weak chloritic overprinting.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383335	6889370	1415.13	185.01

ZONE: Herc

SECTION:

HOLE: KL-16-298

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: Jun 27 - Jun 28, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	27.8	-50.3	Reflex
185.01	319.4	-5.5	Reflex

TARGET: Herc

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.67	6.67	OVB
6.67	7.78	1.11	GRD
7.78	13.5	5.72	GRD
13.5	19.64	6.14	GRD
19.64	50.46	30.82	GRD
50.46	61.54	11.08	GRD
61.54	66.14	4.6	GRD
66.14	76.27	10.13	GRD
76.27	81.61	5.34	GRD
81.61	91.42	9.81	GRD
91.42	95.98	4.56	GRD
95.98	139.8	43.82	GRD
139.8	141.94	2.14	GRD
141.94	145.11	3.17	QFP
145.11	145.97	0.86	GRD
145.97	146.74	0.77	VEN

SAMPLES	
Numbers:	K292067 to K292155, K292704 to K292708
Total:	94
Batch:	003, 007, 008, 009, 010
Certificates:	KL16107504, TR16108378, TR16108380, TR16108381, TR16108382

COMMENTS

Downhole survey completed with a damaged tool. Survey may be incorrect.

146.74	170.62	23.88	GRD
170.62	185.01	14.39	GRD

Box Log

KL-16-298

Klaza
Herc Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	6.67	10.46
2	10.46	14.61
3	14.61	18.54
4	18.54	22.82
5	22.82	26.92
6	26.92	31.07
7	31.07	35.36
8	35.36	39.76
9	39.76	44.23
10	44.23	48.25
11	48.25	52.4
12	52.4	56.5
13	56.5	60.77
14	60.77	65.05
15	65.05	69.19
16	69.19	73.22
17	73.22	77.32
18	77.32	81.38
19	81.38	85.97
20	85.97	90.13
21	90.13	94
22	94	98.4
23	98.4	102.4
24	102.4	106.5
25	106.5	111.17
26	111.17	115.28
27	115.28	119.34
28	119.34	123.14
29	123.14	127.36
30	127.36	131.41
31	131.41	135.81
32	135.81	139.74
33	139.74	143.63
34	143.63	147.46
35	147.46	151.49
36	151.49	155.51
37	155.51	159.57
38	159.57	163.62
39	163.62	167.6
40	167.6	171.75
41	171.75	176.01
42	176.01	179.99
43	179.99	183.88
44	183.88	185.01

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-298									
	84.19	25	NQ2	GRD	1320	849.6	2.49	2.8	Moderate propylitic altered granodiorite with slight quartz flooding and silicification. Oxidation is also present within fractures and joints. Interval contains trace to minor disseminated pyrite and arsenopyrite throughout
	94.33	20	NQ2	GRD	946.6	568.6	2.23	2.5	Moderately argillic altered granodiorite with potassic overprinting
	117.37	14	NQ2	GRD	722.4	454.2	2.43	2.7	Highly silicified quartz/carbonate vein with slight net texture. Contains disseminated to blebs of pyrite along with pyrite stringers found along fractures
	144.28	18	NQ2	QFP	886.4	549.8	2.32	2.6	Interconnected quartz/carbonate veins and veinlets crosscutting QFP dyke.
	146.27	15	NQ2	VEN	846.3	519.4	2.66	2.6	Milky white quartz vein with disseminated pyrite and pyrite stringers.
	152.98	19	NQ2	GRD	1157.1	718.4	2.87	2.6	moderately argillic altered granodiorite with weak phyllic overprinting.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.67	7.78	1.11	GRD	--	Trace to weakly propyllitic and potassic altered granodiorite with strong pervasive oxidation throughout obscuring rock textures. Goethite and limonite staining along fracture surfaces.							
						MD	OR	RB	POT	1I	Go	1
						MD	GY		POT	2I	Li	1
									PRO	1I		
									PRO	2I		
7.78	13.50	5.72	GRD	--	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
13.50	19.64	6.14	GRD	--	Phyllic alteration envelope surrounding a large oxidized milky white quartz vein. Phyllic alteration transitions to oxidized weak argillic alteration distally from vein. Patchy pervasive oxidation throughout with strong oxidation along fracture surfaces.							
						MD	GN	EN	PHC	3I		
						MD	OR		ARG	2I		
						LT	WH		OXI	3I		
						LT	OR		OXI	4I		
19.64	50.46	30.82	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite +/- carbonate.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
50.46	61.54	11.08	GRD	MG	Weak to moderately argillic/potassic altered granodiorite with multiple small to medium sized silicified phyllic envelopes surrounding quartz/sulphide veins. Moderate oxidation along fracture surfaces. Oxidation is stronger proximal to veining.							
						MD	GN		SIL	3I		
						MD	GY		PHC	3I		
						MD	OR		POT	3I		
						MD	PK		POT	2I		
						LT	WH	EN	ARG	3I		
									OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	3I		
									OXI	4I		
									ARG	2I		
61.54	66.14	4.60	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite.							
						MD	GY	EN	OXI	2I		
						MD	OR		OXI	3I		
						LT	GN					
66.14	76.27	10.13	GRD	MG	Phyllic alteration envelope surrounding a large oxidized milky white quartz/pyrite vein. Phyllic alteration transitions to oxidized weak argillic alteration distally from vein. Patchy pervasive oxidation throughout with strong oxidation along fracture surfaces. Hosts multiple quartz/sulphide veins and veinlets with minor oxidized phyllic envelopes.							
						MD	GN	EN	PHC	3I		
						MD	OR		ARG	2I		
						LT	WH		OXI	3I		
						LT	OR		OXI	4I		
76.27	81.61	5.34	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite.							
						MD	GY		OXI	2I		
						MD	OR					
						LT	GN					
81.61	91.42	9.81	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy moderate argillic alteration throughout. Hosts disseminated pyrite, multiple mineralized gouge zones and an abundance of quartz/pyrite veins, veinlets and stringers. Oxidaion along fracture surfaces and around veining.							
						MD	GN		PHC	4I		
						MD	OR		SIL	3I		
						LT	GN		PHC	3I	Py	3
						LT	WH		OXI	3I		
									ARG	3I		
91.42	95.98	4.56	GRD	MG	Moderately argillic/potassic altered granodiorite with weak oxidation along fracture surfaces.							
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	WH					
95.98	102.15	6.17	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation staining along fracture surfaces.							
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
102.15	103.87	1.72	GRD	MG	Small moderate phyllic envelope around a quartz/ankerite vein. Phyllic alteration transitions to moderate argillic/potassic/propyllitic alteration distally from vein.							
						MD	PK					
						LT	GN	EN				
						LT	WH					
						DK	GN					
103.87	110.90	7.03	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation staining along fracture surfaces.							
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
110.90	111.86	0.96	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/pyrite vein. Moderate oxidation along fracture surfaces. Hosts trace disseminated pyrite.							
						MD	GN		OXI	3I		
						MD	GY		PHC	3I		
						LT	GN	EN	SIL	3I	Py	0.1
									SIL	4I		
111.86	113.71	1.85	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy propyllitic alteration. Hosts trace disseminated pyrite and multiple quartz/pyrite veinlets and stringers. Moderate oxidation along fracture surfaces.							
						MD	GN		PHC	4I		
						MD	GY		PRO	3I		
						MD	OR					
						LT	GN		PHC	3I	Py	0.1
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
113.71	123.32	9.61	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation staining along fracture surfaces.							
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
123.32	127.90	4.58	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy moderate argillic/potassic and propyllitic potassic altered granodiorite.							
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
									ARG	3I		
127.90	139.80	11.90	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation and sporadic hematite staining along fracture surfaces.							
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I	He	0.1
									POT	2I		
139.80	141.94	2.14	GRD	MG	Hanging wall alteration halo of moderately phyllic and weak to moderately propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz pyrite veins and mineralized zones of partial gouge alteration.							
						MD	GY		PHC	4I		
						MD	GY					
						LT	GN		PRO	2I		
						LT	GY		PHC	3I	Py	1
						DK	GN					
141.94	145.11	3.17	QFP	FG	Partially gouge altered light to medium grey quartz feldspar porphyry dyke hosting multiple white carbonate veinlets and stringers.							
						MD	GY					
						LT	GY	PO				
145.11	145.97	0.86	GRD	MG	Partially gouge altered light to medium grey quartz feldspar porphyry dyke hosting multiple white carbonate veinlets and stringers.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	RB	PHC	3I	Py	5
						LT	GN		PHC	4I		
145.97	146.74	0.77	VEN	--	Grey to milky whiter massive quartz vein hosting disseminated to blebby pyrite. Vein is broken up and rubbly.							
						LT	GY	RB			Py	5
						LT	WH					
146.74	170.62	23.88	GRD	MG	Sporadically partially gouge altered moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite and multiple mineralized quartz and quartz/carbonate veins and gouge zones. Granodiorite distal from veining and mineralization transitions to argillic/potassic/propyllitic alteration.							
						MD	GN		ARG	3I		
						LT	GN		PHC	3I		
						LT	GY		PHC	3I	Py	2
						LT	WH		POT	3I		
						DK	GN		PRO	2I		
170.62	174.74	4.12	GRD	MG	Weakly propyllitic and potassic altered granodiorite with minor sporadic patches of argillic/potassic alteration. Moderate hematite staining along ~40% of the fracture surfaces. ~1 white carbonate veinlet/stringer per meter.							
						MD	GY		PRO	2I	He	2
						MD	PK		ARG	3I		
						DK	GN		POT	2I		
174.74	175.87	1.13	GRD	MG	Moderately argillic altered granodiorite with a strong potassic and weak propyllitic overprint.							
						MD	PK		POT	4I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
175.87	185.01	9.14	GRD	MG	Weakly propyllitic and potassic altered granodiorite with minor sporadic patches of argillic/potassic alteration. Moderate hematite staining along ~40% of the fracture surfaces. ~1 white carbonate veinlet/stringer per meter.							
						MD	PK		ARG	3I		
						MD	GY		PRO	2I	He	2
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.67	7.78	1.11	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with strong pervasive oxidation throughout obscuring rock textures. Goethite and limonite staining along fracture surfaces.							
									POT	2I		
						MD	OR	RB	PRO	1I	Go	1
						MD	GY		PRO	2I	Li	1
									POT	1I		
7.78	13.50	5.72	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
13.50	19.64	6.14	GRD	MG	Phyllic alteration envelope surrounding a large oxidized milky white quartz vein. Phyllic alteration transitions to oxidized weak argillic alteration distally from vein. Patchy pervasive oxidation throughout with strong oxidation along fracture surfaces.							
						LT	OR		OXI	4I		
						MD	GN	EN	PHC	3I		
						MD	OR		ARG	2I		
						LT	WH		OXI	3I		
19.64	50.46	30.82	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite +/- carbonate.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
50.46	61.54	11.08	GRD	MG	Weak to moderately argillic/potassic altered granodiorite with multiple small to medium sized silicified phyllic envelopes surrounding quartz/sulphide veins. Moderate oxidation along fracture surfaces. Oxidation is stronger proximal to veining.							
									OXI	4I		
									SIL	3I		
						MD	GN		PHC	3I		
						MD	GY		POT	3I		
						MD	OR		POT	2I		
						MD	PK		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	3I		
									OXI	2I		
						LT	WH	EN	ARG	2I		
61.54	66.14	4.60	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite.							
						MD	OR		OXI	3I		
						MD	GY	EN	OXI	2I		
						LT	GN					
66.14	76.27	10.13	GRD	MG	Phyllic alteration envelope surrounding a large oxidized milky white quartz/pyrite vein. Phyllic alteration transitions to oxidized weak argillic alteration distally from vein. Patchy pervasive oxidation throughout with strong oxidation along fracture surfaces. Hosts multiple quartz/sulphide veins and veinlets with minor oxidized phyllic envelopes.							
						LT	OR		OXI	4I		
						LT	WH		OXI	3I		
						MD	GN	EN	PHC	3I		
						MD	OR		ARG	2I		
76.27	81.61	5.34	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces. Minor trace to weak phyllic envelopes around quartz/pyrite.							
						MD	GY		OXI	2I		
						MD	OR					
						LT	GN					
81.61	91.42	9.81	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy moderate argillic alteration throughout. Hosts disseminated pyrite, multiple mineralized gouge zones and an abundance of quartz/pyrite veins, veinlets and stringers. Oxidaion along fracture surfaces and around veining.							
						LT	GN		PHC	3I	Py	3
						MD	GN		PHC	4I		
									ARG	3I		
						LT	WH		OXI	3I		
						MD	OR		SIL	3I		
91.42	95.98	4.56	GRD	MG	Moderately argillic/potassic altered granodiorite with weak oxidation along fracture surfaces.							
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	WH					
95.98	139.80	43.82	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite patches moderate argillic potassic alteration and silicified phyllic envelopes around minor quartz carbonate veining. Weak oxidation staining along fracture surfaces.							
									POT	2I		
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
139.80	141.94	2.14	GRD	MG	Hanging wall alteration halo of moderately phyllic and weak to moderately propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz pyrite veins and mineralized zones of partial gouge alteration.							
						MD	GY					
						LT	GN		PRO	2I		
						DK	GN					
						LT	GY		PHC	3I	Py	1
						MD	GY		PHC	4I		
141.94	145.11	3.17	QFP	FG	Partially gouge altered light to medium grey quartz feldspar porphyry dyke hosting multiple white carbonate veinlets and stringers.							
						LT	GY	PO				
						MD	GY					
145.11	145.97	0.86	GRD	MG	Partially gouge altered light to medium grey quartz feldspar porphyry dyke hosting multiple white carbonate veinlets and stringers.							
						LT	GY	RB	PHC	3I	Py	5
						LT	GN		PHC	4I		
						MD	GN					
145.97	146.74	0.77	VEN	--	Grey to milky whiter massive quartz vein hosting disseminated to blebby pyrite. Vein is broken up and rubbly.							
						LT	GY	RB			Py	5
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
146.74	170.62	23.88	GRD	MG	Sporadically partially gouge altered silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite and multiple mineralized quartz and quartz/carbonate veins and gouge zones. Granodiorite distal from veining and mineralization transitions to argillic/potassic/propyllitic alteration.							
						MD	GN		ARG	3I		
						LT	WH		POT	3I		
						LT	GN		PHC	3I		
						LT	GY		PHC	3I	Py	2
						DK	GN		PRO	2I		
170.62	185.01	14.39	GRD	MG	Weakly propyllitic and potassic altered granodiorite with minor sporadic patches of argillic/potassic alteration. Moderate hematite staining along ~40% of the fracture surfaces. ~1 white carbonate veinlet/stringer per meter.							
						MD	PK		ARG	3I		
						MD	GY		PRO	2I	He	2
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	6.67	6.67	0	0	0.00	0	--	--	--	Cased
6.67	8.23	1.56	1.35	87	0.38	24	--	2H	4W	heavily fractured and weathered zone
8.23	11.28	3.05	2.81	92	2.00	66	--	4H	2W	
11.28	14.33	3.05	2.93	96	2.15	70	--	3H	3W	interval contains both highly oxidized material and fresher granodiorite
14.33	17.37	3.04	2.5	82	1.00	33	--	2H	4W	
17.37	20.42	3.05	2.63	86	1.10	36	--	2H	4W	
20.42	23.47	3.05	2.94	96	2.58	85	--	4H	2W	
23.47	26.52	3.05	3	98	2.12	70	--	4H	2W	
26.52	29.57	3.05	2.88	94	1.99	65	--	4H	2W	
29.57	32.61	3.04	3.04	100	2.90	95	--	4H	2W	
32.61	35.66	3.05	2.97	97	2.57	84	--	4H	2W	
35.66	38.71	3.05	2.95	97	2.74	90	--	4H	2W	
38.71	41.76	3.05	2.96	97	2.63	86	--	4H	2W	
41.76	44.81	3.05	2.94	96	2.38	78	--	4H	2W	
44.81	47.85	3.04	2.95	97	2.00	66	--	4H	2W	
47.85	50.90	3.05	2.8	92	2.54	83	--	4H	3W	
50.90	53.95	3.05	2.68	88	0.42	14	--	2H	4W	heavily fractured zone
53.95	57.00	3.05	3	98	1.30	43	--	2H	2W	
57.00	60.05	3.05	2.59	85	1.90	62	--	2H	3W	
60.05	63.09	3.04	2.75	90	1.85	61	--	3H	2W	
63.09	66.14	3.05	2.89	95	2.56	84	--	4H	2W	
66.14	69.19	3.05	3	98	1.87	61	--	3H	1W	
69.19	72.24	3.05	3.04	100	2.21	72	--	3H	1W	
72.24	75.29	3.05	2.74	90	1.71	56	--	3H	1W	
75.29	78.33	3.04	3.01	99	2.65	87	--	4H	1W	
78.33	81.38	3.05	3.05	100	3.05	100	--	4H	1W	
81.38	84.43	3.05	2.96	97	1.88	62	--	2H	1W	Strength is generally 4 with exception of soft pyrite gouge
84.43	87.48	3.05	2.81	92	1.90	62	--	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.75	90	2.30	75	--	3H	3W	Crumbled zone in bottom 40 cm of run
90.53	93.57	3.04	2.96	97	2.24	74	--	3H	2W	
93.57	96.62	3.05	2.98	98	2.72	89	--	3H	1W	
96.62	99.67	3.05	2.96	97	2.13	70	--	3H	1W	
99.67	102.72	3.05	3.05	100	2.27	74	--	4H	1W	
102.72	105.77	3.05	2.85	93	2.54	83	--	4H	1W	
105.77	108.81	3.04	2.83	93	1.94	64	--	4H	1W	
108.81	111.86	3.05	2.81	92	2.29	75	--	4H	1W	
111.86	114.91	3.05	3	98	2.73	90	--	4H	1W	
114.91	117.96	3.05	2.56	84	1.85	61	--	4H	1W	
117.96	121.01	3.05	2.95	97	2.38	78	--	4H	1W	
121.01	124.05	3.04	2.76	91	2.23	73	--	4H	1W	
124.05	127.10	3.05	2.92	96	1.62	53	--	3H	1W	
127.10	130.15	3.05	3.02	99	1.22	40	--	4H	1W	
130.15	133.20	3.05	2.96	97	2.21	72	--	4H	1W	
133.20	136.25	3.05	2.81	92	1.06	35	--	4H	1W	
136.25	139.29	3.04	2.73	90	1.35	44	--	3H	1W	
139.29	142.34	3.05	2.8	92	1.04	34	--	3H	1W	
142.34	145.39	3.05	2.72	89	1.79	59	--	2H	1W	
145.39	148.44	3.05	2.58	85	1.83	60	--	3H	1W	
148.44	151.49	3.05	2.39	78	0.93	30	--	2H	1W	Has small (10 cm) fractured zones
151.49	154.53	3.04	2.8	92	1.67	55	--	3H	1W	
154.53	157.58	3.05	2.41	79	1.64	54	--	2H	1W	
157.58	160.63	3.05	2.23	73	0.55	18	--	3H	1W	Contains rubble zone
160.63	163.68	3.05	2.89	95	0.84	28	--	3H	1W	
163.68	166.73	3.05	2.6	85	1.38	45	--	2H	1W	
166.73	169.77	3.04	2.73	90	1.66	55	--	3H	1W	
169.77	172.82	3.05	3.05	100	1.30	43	--	4H	1W	
172.82	175.87	3.05	2.75	90	2.10	69	--	3H	1W	
175.87	178.92	3.05	2.71	89	1.54	50	--	3H	1W	
178.92	181.96	3.04	2.82	93	1.27	42	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.96	185.01	3.05	2.11	69	0.28	9	--	4H	1W	heavily fractured zone

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
7	5.95	GRD	
8	0.397	GRD	
9	0.679	GRD	
10	10.4	GRD	
11	10.7	GRD	
12	18.8	GRD	
13	1.28	GRD	
14	0.289	GRD	
15	0.157	GRD	
16	0.037	GRD	
17	0.042	GRD	
18	0.512	GRD	
19	24	GRD	
20	17	GRD	
21	21.4	GRD	
22	0.444	GRD	
23	15.5	GRD	
24	0.394	GRD	
25	2.39	GRD	
26	1.03	GRD	
27	1.09	GRD	
28	14.4	GRD	
29	19.5	GRD	
30	23.7	GRD	
31	23	GRD	
32	20.6	GRD	
33	0.495	GRD	
34	23.1	GRD	
35	15.6	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
36	0.979	GRD	
37	22.9	GRD	
38	17.2	GRD	
39	23.6	GRD	
40	8.31	GRD	
41	20.9	GRD	
42	17.6	GRD	
43	26.2	GRD	
44	25.2	GRD	
45	0.431	GRD	
46	24.2	GRD	
47	1.96	GRD	
48	0.55	GRD	
49	1.45	GRD	
57	0.238	GRD	
58	0.303	GRD	
59	0.017	GRD	
60	0.245	GRD	
61	0.462	GRD	
62	0.18	GRD	
63	8.43	GRD	
64	1.27	GRD	
65	20.6	GRD	
66	18.3	GRD	
67	0.488	GRD	
68	0.337	GRD	
69	0.009	GRD	
70	0.135	GRD	
71	0.171	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
72	0.317	GRD	
73	0.036	GRD	
74	0.396	GRD	
75	2.37	GRD	
76	0.14	GRD	
77	0.497	GRD	
78	22.4	GRD	
79	6.81	GRD	
80	0.176	GRD	
81	12	GRD	
82	2.43	GRD	
83	0.264	GRD	
84	0.191	GRD	
85	0.223	GRD	
86	0.244	GRD	
87	0.28	GRD	
88	0.338	GRD	
89	0.346	GRD	
90	0.33	GRD	
91	0.393	GRD	
92	8.39	GRD	
93	0.349	GRD	
94	6.79	GRD	
95	0.477	GRD	
96	5.55	GRD	
97	0.629	GRD	
98	0.234	GRD	
99	0.695	GRD	
100	0.673	GRD	
101	6.82	GRD	
102	14.6	GRD	
103	0.297	GRD	
104	29.9	GRD	
105	24.2	GRD	
106	2.89	GRD	
107	4.3	GRD	
108	0.779	GRD	
109	0.242	GRD	
110	4.85	GRD	
111	0.276	GRD	
112	4.2	GRD	
113	0.232	GRD	
114	0.185	GRD	
115	0.294	GRD	
116	0.267	GRD	
117	0.303	GRD	
118	0.671	GRD	
119	0.279	GRD	
120	0.374	GRD	
121	12	GRD	
122	1.6	GRD	
123	11.9	GRD	
124	0.913	GRD	
125	0.267	GRD	
126	0.283	GRD	
127	0.3	GRD	
128	6.34	GRD	
129	0.76	GRD	
130	2.61	GRD	
131	0.539	GRD	
132	26.1	GRD	
133	0.288	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
134	1	GRD	
135	20.7	GRD	
136	30.3	GRD	
137	0.385	GRD	
138	47.3	GRD	
139	2.69	GRD	
140	0.54	GRD	
141	0.115	GRD	
142	0.176	QFP	
143	0.185	QFP	
144	0.23	QFP	
145	0.258	QFP	
146	0.023	VEN	
147	0.281	GRD	
148	0.27	GRD	
149	0.252	GRD	
150	0.191	GRD	
151	0.241	GRD	
152	0.362	GRD	
153	0.333	GRD	
154	0.344	GRD	
155	0.28	GRD	
156	0.196	GRD	
157	0.222	GRD	
158	2.67	GRD	
159	0.581	GRD	
160	0.124	GRD	
161	0.156	GRD	
162	0.035	GRD	
163	0.164	GRD	
164	0.143	GRD	
165	0.268	GRD	
166	0.281	GRD	
167	0.651	GRD	
168	0.185	GRD	
169	0.199	GRD	
170	1.44	GRD	
171	10.3	GRD	
172	32.9	GRD	
173	2.22	GRD	
174	10.5	GRD	
175	0.382	GRD	
176	10.7	GRD	
177	0.378	GRD	
178	25.9	GRD	
179	1.78	GRD	
180	0.326	GRD	
181	35.9	GRD	
182	10.7	GRD	
183	15.7	GRD	
184	21.5	GRD	
185	1.4	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292147	☐	16-009			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292071	☐	16-007		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292705	☐	16-003			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292141	☐	16-009		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292134	☐	16-009			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292127	☐	16-009		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292103	☐	16-008		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292088	☐	16-008		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292084	☐	16-008			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292078	☐	16-007		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292074	☐	16-007			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292109	☐	16-008			☑	☐	☐
12.95	13.45	0.50	GRD	0.50	100	K292067	☐	16-007			☐	☐	☐
13.45	14.19	0.74	GRD	0.64	86	K292068	☐	16-007			☐	☐	☐
14.19	14.72	0.53	GRD	0.53	100	K292069	☐	16-007			☐	☐	☐
14.72	15.16	0.44	GRD	0.44	100	K292070	☐	16-007			☐	☐	☐
15.16	16.08	0.92	GRD	0.92	100	K292072	☐	16-007			☐	☐	☐
16.08	17.21	1.13	GRD	1.11	98	K292073	☐	16-007			☐	☐	☐
17.21	17.95	0.74	GRD	0.74	100	K292075	☐	16-007			☐	☐	☐
17.95	18.69	0.74	GRD	0.54	73	K292076	☐	16-007			☐	☐	☐
18.69	19.25	0.56	GRD	0.56	100	K292077	☐	16-007			☐	☐	☐
56.36	56.88	0.52	GRD	0.50	96	K292079	☐	16-007			☐	☐	☐
56.88	57.41	0.53	GRD	0.52	98	K292080	☐	16-007			☐	☐	☐
57.41	57.90	0.49	GRD	0.49	100	K292081	☐	16-008			☐	☐	☐
57.90	59.00	1.10	GRD	0.95	86	K292082	☐	16-008			☐	☐	☐
59.00	59.39	0.39	GRD	0.39	100	K292083	☐	16-008			☐	☐	☐
59.39	60.00	0.61	GRD	0.61	100	K292085	☐	16-008			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
60.00	61.46	1.46	GRD	1.40	96	K292086	☐	16-008			☐	☐	☐
67.29	67.80	0.51	GRD	0.50	98	K292087	☐	16-008			☐	☐	☐
67.80	68.32	0.52	GRD	0.52	100	K292089	☐	16-008			☐	☐	☐
68.32	69.37	1.05	GRD	1.05	100	K292090	☐	16-008			☐	☐	☐
69.37	70.41	1.04	GRD	1.04	100	K292091	☐	16-008			☐	☐	☐
70.41	70.95	0.54	GRD	0.54	100	K292092	☐	16-008			☐	☐	☐
70.95	71.45	0.50	GRD	0.50	100	K292093	☐	16-008			☐	☐	☐
71.45	72.00	0.55	GRD	0.55	100	K292094	☐	16-008			☐	☐	☐
71.45	72.00	0.55	GRD	0.55	100	K292095	☐	16-008			☐	☑	☐
72.00	72.58	0.58	GRD	0.58	100	K292096	☐	16-008			☐	☐	☐
78.78	79.30	0.52	GRD	0.51	98	K292097	☐	16-008			☐	☐	☐
79.30	79.76	0.46	GRD	0.46	100	K292098	☐	16-008			☐	☐	☐
79.76	80.19	0.43	GRD	0.43	100	K292099	☐	16-008			☐	☐	☐
80.19	80.83	0.64	GRD	0.64	100	K292100	☐	16-008			☐	☐	☐
80.83	81.63	0.80	GRD	0.80	100	K292101	☐	16-008			☐	☐	☐
81.63	82.14	0.51	GRD	0.50	98	K292102	☐	16-008			☐	☐	☐
82.14	82.89	0.75	GRD	0.74	99	K292104	☐	16-008			☐	☐	☐
82.89	83.45	0.56	GRD	0.56	100	K292105	☐	16-008			☐	☐	☐
83.45	84.18	0.73	GRD	0.72	99	K292106	☐	16-008			☐	☐	☐
84.18	84.81	0.63	GRD	0.63	100	K292107	☐	16-008			☐	☐	☐
84.81	86.92	2.11	GRD	2.01	95	K292108	☐	16-008			☐	☐	☐
86.92	89.20	2.28	GRD	2.23	98	K292110	☐	16-008			☐	☐	☐
89.20	90.04	0.84	GRD	0.84	100	K292111	☐	16-008			☐	☐	☐
90.04	91.00	0.96	GRD	0.86	90	K292112	☐	16-008			☐	☐	☐
91.00	91.50	0.50	GRD	0.50	100	K292113	☐	16-008			☐	☐	☐
91.00	91.50	0.50	GRD	0.50	100	K292114	☐	16-008			☐	☐	☑
91.50	92.00	0.50	GRD	0.50	100	K292115	☐	16-008			☐	☐	☐
109.84	110.42	0.58	GRD	0.58	100	K292116	☐	16-008			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
110.42	110.92	0.50	GRD	0.50	100	K292117	☐	16-009			☐	☐	☐
110.92	111.49	0.57	GRD	0.57	100	K292118	☐	16-009			☐	☐	☐
111.49	112.00	0.51	GRD	0.51	100	K292119	☐	16-009			☐	☐	☐
112.00	114.89	2.89	GRD	2.89	100	K292120	☐	16-009			☐	☐	☐
112.00	114.89	2.89	GRD	2.89	100	K292121	☐	16-009			☐	☐	☑
114.89	117.01	2.12	GRD	2.12	100	K292122	☐	16-009			☐	☐	☐
117.01	117.72	0.71	GRD	0.71	100	K292123	☐	16-009			☐	☐	☐
117.72	118.32	0.60	GRD	0.50	83	K292124	☐	16-009			☐	☐	☐
118.32	119.34	1.02	GRD	1.02	100	K292125	☐	16-009			☐	☐	☐
119.34	138.24	18.90	GRD	0.00	0		☑	16-009			☐	☐	☐
138.24	138.76	0.52	GRD	0.52	100	K292126	☐	16-009			☐	☐	☐
138.76	139.29	0.53	GRD	0.53	100	K292128	☐	16-009			☐	☐	☐
139.29	139.92	0.63	GRD	0.62	98	K292129	☐	16-009			☐	☐	☐
139.92	141.07	1.15	GRD	1.11	97	K292704	☐	16-003			☐	☐	☐
141.07	141.92	0.85	GRD	0.72	85	K292130	☐	16-009			☐	☐	☐
141.92	143.35	1.43	GRD	1.43	100	K292131	☐	16-009			☐	☐	☐
143.35	145.16	1.81	QFP	1.61	89	K292132	☐	16-009			☐	☐	☐
145.16	145.86	0.70	GRD	0.70	100	K292133	☐	16-009			☐	☐	☐
145.86	146.47	0.61	GRD	0.61	100	K292706	☐	16-003			☐	☐	☐
146.47	147.07	0.60	VEN	0.50	83	K292135	☐	16-009			☐	☐	☐
147.07	149.13	2.06	GRD	1.98	96	K292136	☐	16-009			☐	☐	☐
147.07	149.13	2.06	GRD	1.98	96	K292137	☐	16-009			☐	☑	☐
149.13	149.84	0.71	GRD	0.71	100	K292138	☐	16-009			☐	☐	☐
149.84	151.49	1.65	GRD	1.15	70	K292139	☐	16-009			☐	☐	☐
151.49	154.01	2.52	GRD	2.25	89	K292140	☐	16-009			☐	☐	☐
154.01	155.21	1.20	GRD	1.20	100	K292142	☐	16-009			☐	☐	☐
155.21	155.71	0.50	GRD	0.50	100	K292707	☐	16-003			☐	☐	☐
155.71	157.87	2.16	GRD	1.88	87	K292143	☐	16-009			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
157.87	159.41	1.54	GRD	1.54	100	K292144	☐	16-009			☐	☐	☐
159.41	161.19	1.78	GRD	1.78	100	K292145	☐	16-009			☐	☐	☐
161.19	162.01	0.82	GRD	0.75	91	K292146	☐	16-009			☐	☐	☐
162.01	164.08	2.07	GRD	2.07	100	K292148	☐	16-009			☐	☐	☐
164.08	165.92	1.84	GRD	1.80	98	K292149	☐	16-009			☐	☐	☐
165.92	166.54	0.62	GRD	0.61	98	K292150	☐	16-009			☐	☐	☐
166.54	168.47	1.93	GRD	1.89	98	K292708	☐	16-003			☐	☐	☐
168.47	168.97	0.50	GRD	0.50	100	K292151	☐	16-009			☐	☐	☐
168.97	169.66	0.69	GRD	0.63	91	K292152	☐	16-009			☐	☐	☐
169.66	170.16	0.50	GRD	0.50	100	K292153	☐	16-010			☐	☐	☐
170.16	170.66	0.50	GRD	0.50	100	K292154	☐	16-010			☐	☐	☐
170.66	171.22	0.56	GRD	0.56	100	K292155	☐	16-010			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	12.95			☐	☐	☐	☐	
16-003	K292705	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-008	K292084	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-008	K292088	0.00	0.00	0.91	670	☐	☐	☐	☑ KL-STD5	
16-008	K292103	0.00	0.00	0.36	450	☐	☐	☐	☑ KL-STD4	
16-008	K292109	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-009	K292127	0.00	0.00	0.89	560	☐	☐	☐	☑ KL-STD5	
16-009	K292134	0.00	0.00	0.00	130	☐	☐	☑	☐	
16-009	K292141	0.00	0.00	0.35	370	☐	☐	☐	☑ KL-STD4	
16-009	K292147	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-007	K292071	0.00	0.00	0.82	960	☐	☐	☐	☑ KL-STD5	
16-007	K292074	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-007	K292078	0.00	0.00	0.34	610	☐	☐	☐	☑ KL-STD4	
16-007	K292067	12.95	13.45	0.01	2620	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-007	K292068	13.45	14.19	0.02	2200	☐	☐	☐	☐	
16-007	K292069	14.19	14.72	0.01	1610	☐	☐	☐	☐	
16-007	K292070	14.72	15.16	0.03	1520	☐	☐	☐	☐	
16-007	K292072	15.16	16.08	0.09	1220	☐	☐	☐	☐	
16-007	K292073	16.08	17.21	0.19	670	☐	☐	☐	☐	
16-007	K292075	17.21	17.95	0.03	5150	☐	☐	☐	☐	
16-007	K292076	17.95	18.69	0.02	3210	☐	☐	☐	☐	
16-007	K292077	18.69	19.25	0.01	2690	☐	☐	☐	☐	
		19.25	56.36			☐	☐	☐	☐	
16-007	K292079	56.36	56.88	0.06	1670	☐	☐	☐	☐	
16-007	K292080	56.88	57.41	0.02	2670	☐	☐	☐	☐	
16-008	K292081	57.41	57.90	0.47	480	☐	☐	☐	☐	
16-008	K292082	57.90	59.00	0.04	1420	☐	☐	☐	☐	
16-008	K292083	59.00	59.39	1.89	190	☐	☐	☐	☐	
16-008	K292085	59.39	60.00	0.96	730	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-008	K292086	60.00	61.46	0.33	960	☐	☐	☐	☐	
		61.46	67.29			☐	☐	☐	☐	
16-008	K292087	67.29	67.80	0.01	3490	☐	☐	☐	☐	
16-008	K292089	67.80	68.32	0.30	830	☐	☐	☐	☐	
16-008	K292090	68.32	69.37	0.14	400	☐	☐	☐	☐	
16-008	K292091	69.37	70.41	0.19	870	☐	☐	☐	☐	
16-008	K292092	70.41	70.95	0.47	640	☐	☐	☐	☐	
16-008	K292093	70.95	71.45	0.03	1100	☐	☐	☐	☐	
16-008	K292094	71.45	72.00	0.14	1640	☐	☐	☐	☐	
16-008	K292095	71.45	72.00	0.16	1540	☑	☐	☐	☐	
16-008	K292096	72.00	72.58	1.22	2120	☐	☐	☐	☐	
		72.58	78.78			☐	☐	☐	☐	
16-008	K292097	78.78	79.30	0.02	2350	☐	☐	☐	☐	
16-008	K292098	79.30	79.76	0.03	2120	☐	☐	☐	☐	
16-008	K292099	79.76	80.19	2.25	450	☐	☐	☐	☐	
16-008	K292100	80.19	80.83	0.16	1800	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-008	K292101	80.83	81.63	0.01	1890	☐	☐	☐	☐	
16-008	K292102	81.63	82.14	0.59	1770	☐	☐	☐	☐	
16-008	K292104	82.14	82.89	0.08	930	☐	☐	☐	☐	
16-008	K292105	82.89	83.45	0.07	1390	☐	☐	☐	☐	
16-008	K292106	83.45	84.18	0.53	80	☐	☐	☐	☐	
16-008	K292107	84.18	84.81	0.85	450	☐	☐	☐	☐	
16-008	K292108	84.81	86.92	0.48	660	☐	☐	☐	☐	
16-008	K292110	86.92	89.20	0.04	2320	☐	☐	☐	☐	
16-008	K292111	89.20	90.04	0.09	1070	☐	☐	☐	☐	
16-008	K292112	90.04	91.00	0.08	960	☐	☐	☐	☐	
16-008	K292113	91.00	91.50	0.05	1550	☐	☐	☐	☐	
16-008	K292114	91.00	91.50	0.04	1610	☐	☑	☐	☐	
16-008	K292115	91.50	92.00	0.07	2270	☐	☐	☐	☐	
		92.00	######			☐	☐	☐	☐	
16-008	K292116	109.84	110.42	0.01	1350	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-009	K292117	110.42	110.92	0.02	2500	☐	☐	☐	☐	
16-009	K292118	110.92	111.49	0.12	230	☐	☐	☐	☐	
16-009	K292119	111.49	112.00	0.01	1840	☐	☐	☐	☐	
16-009	K292120	112.00	114.89	0.08	310	☐	☐	☐	☐	
16-009	K292121	112.00	114.89	0.07	340	☐	☑	☐	☐	
16-009	K292122	114.89	117.01	0.03	280	☐	☐	☐	☐	
16-009	K292123	117.01	117.72	0.10	90	☐	☐	☐	☐	
16-009	K292124	117.72	118.32	0.02	760	☐	☐	☐	☐	
16-009	K292125	118.32	119.34	0.34	560	☐	☐	☐	☐	
16-009		119.34	138.24			☐	☐	☐	☐	
16-009	K292126	138.24	138.76	0.02	1670	☐	☐	☐	☐	
16-009	K292128	138.76	139.29	0.01	2180	☐	☐	☐	☐	
16-009	K292129	139.29	139.92	0.03	2050	☐	☐	☐	☐	
16-003	K292704	139.92	141.07	0.80	360	☐	☐	☐	☐	
16-009	K292130	141.07	141.92	0.06	490	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-009	K292131	141.92	143.35	0.00	1680	☐	☐	☐	☐	
16-009	K292132	143.35	145.16	0.02	670	☐	☐	☐	☐	
16-009	K292133	145.16	145.86	1.12	60	☐	☐	☐	☐	
16-003	K292706	145.86	146.47	0.10	240	☐	☐	☐	☐	
16-009	K292135	146.47	147.07	0.05	1290	☐	☐	☐	☐	
16-009	K292136	147.07	149.13	0.08	2130	☐	☐	☐	☐	
16-009	K292137	147.07	149.13	0.08	2320	☑	☐	☐	☐	
16-009	K292138	149.13	149.84	0.25	200	☐	☐	☐	☐	
16-009	K292139	149.84	151.49	0.05	1860	☐	☐	☐	☐	
16-009	K292140	151.49	154.01	0.01	2020	☐	☐	☐	☐	
16-009	K292142	154.01	155.21	0.03	2090	☐	☐	☐	☐	
16-003	K292707	155.21	155.71	0.41	130	☐	☐	☐	☐	
16-009	K292143	155.71	157.87	0.02	1810	☐	☐	☐	☐	
16-009	K292144	157.87	159.41	0.05	200	☐	☐	☐	☐	
16-009	K292145	159.41	161.19	0.10	600	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-009	K292146	161.19	162.01	0.06	1060	☐	☐	☐	☐	
16-009	K292148	162.01	164.08	0.04	830	☐	☐	☐	☐	
16-009	K292149	164.08	165.92	0.03	1450	☐	☐	☐	☐	
16-009	K292150	165.92	166.54	0.11	980	☐	☐	☐	☐	
16-003	K292708	166.54	168.47	0.71	130	☐	☐	☐	☐	
16-009	K292151	168.47	168.97	0.12	1330	☐	☐	☐	☐	
16-009	K292152	168.97	169.66	0.49	1070	☐	☐	☐	☐	
16-010	K292153	169.66	170.16	0.13	2600	☐	☐	☐	☐	
16-010	K292154	170.16	170.66	0.00	2630	☐	☐	☐	☐	
16-010	K292155	170.66	171.22	0.00	1650	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
15.27	15.65	GO	34	20	NUL	1	Oxidized gouge.			
16.20	17.19	VN	37	15	NUL	1	Grey to milky white quartz vein hosting disseminated to blebby pyrite. Veins is broken up and has moderate oxidation along fracture surfaces.			
								Py	1	BL
46.48	47.64	ST		70	NUL	6	Six pyrite stringers			
								Py	100	MA
50.26	50.27	VN	37	60	NUL	1	Grey quartz/white carbonate vein hosting blebby pyrite.			
								Py	40	BL
53.42	56.02	ST		70	NUL	1	Twelve quartz/pyrite stringers.			
								Py	50	DI
55.53	55.00	VN	37	60	NUL	1	Grey quartz vein hosting disseminated to blebby pyirte.			
								Py	10	DI
57.67	57.70	VN	37	60	NUL	1	Grey quartz/white carbonate vein hosting disseminated to blebby pyrite.			
								Py	75	DI
59.08	59.31	VB	37	60	NUL	1	Oxidized vuggy smokey quartz vein breccia hosting disseminated to blebby pyrite. Has granule to pebble sized clasts of grey quartz and white carbonate.			
								Py	10	BL
60.83	60.84	VT	37	60	NUL	1	Grey quartz veinlet hosting blebby pyrite.			
								Py	20	BL
61.25	61.28	GO	34	-	NUL	1	Broken up oxidized gouge zone hosting disseminated pyrite.			
								Py	10	DI
68.40	69.30	VN	37	40	NUL	1	Grey to milky white quartz vein hosting disseminated to blebby pyrite. Veins is broken up and has weak oxidation along fracture surfaces.			
								Py	5	BL
70.53	70.71	BN		50	NUL	1	Band or flood of intensely silicified granodiorite hosting disseminated pyrite and pyrite stringers.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	5	DI
70.53	72.56	ST		70	NUL	14	Fourteen quartz/pyrite stringers.			
								Py	50	DI
75.54	75.74	VT	37	80	NUL	2	Weakly argillic altered granodiorite with moderate phyllic overprinting that hosts two quartz/carbonate veinlets over 13cm. Hosts disseminated to blebby pyrite with oxidation present along fractures.			
								Py	2.5	DI
								Py	1.5	BL
75.91	76.18	VN	37	-	NUL	1	Phyllic overprinted altered granodiorite with a flooded quartz zone displaying moderate to strong silicification. Quartz flooded zone hosts disseminated and blebs of pyrite, with no other textures due to silicification.			
								Py	1	BL
								Py	1	DI
79.97	79.99	VN	37	70	NUL	1	Moderately silicified zone of flooded quartz containing a smoky quartz vein. Vein dominantly displays semi-massive pyrite with oxidation along fractures. Joint runs parallel to vein.			
								Py	30	MA
82.20	82.25	VT	37	80	NUL	1	Smoky quartz carbonate veinlet (0.80cm) enveloped by a zone of slightly quartz flooded granodiorite. Hosts disseminated blackjack/honey brown sphalerite, disseminated to semi-blebby pyrite, and disseminated arsenopyrite along the outer selveges of the veinlet.			
								Py	1	BL
								Py	2	DI
								Sp	1	DI
								As	2	DI
82.22	82.24	VN	37	70	NUL	1	Grey quartz vein hosting disseminated pyrite crosscut by white carbonate veinlets hosting disseminated honey brown sphalerite.			
								Py	5	DI
								Sp	2	DI
83.24	83.31	GO	34	-	NUL	1	Grey/orange oxidized gouge seam.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
83.52	83.74	GO	34	-	NUL	1	Significantly gouge altered oxidized mineralized vein zone(?). Gouge alteration has destroyed most rock textures. Hosts disseminated pyrite.			
								Py	10	DI
83.91	84.04	GO	34	-	NUL	1	Significantly gouge altered oxidized mineralized vein zone(?). Gouge alteration has destroyed most rock textures. Hosts disseminated pyrite.			
								Py	5	DI
84.73	85.97	VT	37	80	NUL	7	Seven 0.5-0.9cm quartz/pyrite +/- carbonate veins.			
86.07	86.58	VT	37	60	NUL	5	Five 0.3cm quartz/pyrite veinlets.			
								Py	30	DI
89.22	89.94	VT	37	80	NUL	4	Four 0.3cm quartz/pyrite veinlets.			
91.27	91.30	BN		50	NUL	1	Band of strong Silicification cut by a fine net of white carbonate stringers. Host disseminated pyrite.			
								Py	1	DI
94.85	94.86	VT	37	50	NUL	1	0.8cm intermixed grey quartz/white carbonated and tan ankerite veinlet. Hosts disseminated pyrite.			
								Py	5	DI
97.93	93.97	ST		70	NUL	2	Two pyrite stringers.			
								Py	100	DI
102.97	102.98	VT	37	70	NUL	1	Tan ankerite veinlet.			
108.17	105.18	VN	37	50	NUL	1	Grey quartz vein hosting disseminated pyrite and blebby epidote.			
								Py	2	DI
								Ep	10	BL
108.57	109.76	VN	37	70	NUL	4	Four 1cm grey quartz veins hosting disseminated to blebby pyrite.			
								Py	25	BL
111.12	111.19	VN	37	65	NUL	1	Grey to smokey quartz vein hosting disseminated to blebby pyrite.			
								Py	25	BL
113.64	113.94	VT	37	30	NUL	2	Two 0.3 quartz/pyrite veinlets.			
								Py	65	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
117.27	117.47	VN	37	30	NUL	1	Grey to milky white quartz vein, host disseminated pyrite.			
								Py	5	DI
135.43	143.45	VN	37	25	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite, hematite, magnetite and epidote.			
								Py	5	BL
								Ep	10	BL
								Mg	3	BL
								He	5	BL
139.94	139.97	VT	37	70	NUL	2	Two 0.5cm veinlets. One very light pink rhodochrosite and one quartz/semi-massive pyrite veinlet.			
								Py	40	MA
140.13	140.20	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite. White carbonate veinlet along upper selvedge.			
								Py	60	BL
140.56	140.58	VN	37	70	NUL	1	Grey quartz vein with interstitial white carbonate hosting blebby pyrite and chalcopyrite.			
								Cp	3	BL
								Py	80	BL
140.90	141.10	GO	34	-	NUL	1	Partially gouge altered phyllic granodiorite hosting trace disseminated pyrite.			
								Py	3	DI
141.80	141.92	GO	34	-	NUL	1	Grey to dark grey gouge seam at dyke/granodiorite contact hosting disseminated pyrite.			
								Py	0.1	DI
144.35	144.45	VB	37	-	NUL	1	Grey quartz and white carbonate brecciating quartz feldspar porphyry dyke.			
145.17	145.19	VN	37	60	NUL	1	Grey to dark gray quartz vein hosting disseminated to blebby pyrite.			
								Py	25	BL
145.39	145.70	VN	37	-	NUL	1	Grey to smokey quartz vein breccia crosscut by white carbonate veinlets. Hosts disseminated to blebby pyrite and blackjack sphalerite and disseminated chalcopyrite.			
								Cp	2	DI
								Py	30	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
145.74	145.69	GO	34	-	NUL	1	Significantly gouge altered phyllic granodiorite at vein/dyke contact.			
								Py	1	DI
145.97	146.74	VN	37	-	NUL	1	Grey to milky whiter massive quartz vein hosting disseminated to blebby pyrite. Vein is broken up and rubbly.			
								Py	5	BL
149.16	145.65	GO	34	-	NUL	1	Significantly gouge altered phyllic granodiorite. Hosts disseminated pyrite.			
								Py	10	DI
152.05	152.06	VN	37	70	NUL	1	Grey quartz/whiet carboante vein hosting disseminated pyrite.			
								Py	3	DI
155.43	155.57	VN	37	70	NUL	1	Grey quartz vein heavily brecciated by white carbonate and light rhodochrosite. Hosts disseminated to blebby pyrite, honey brown sphalerite and galena.			
								Sp	5	BL
								Gn	3	BL
								Py	25	BL
156.70	156.71	VN	37	70	NUL	1	Banded smoky quartz and tan ankerite vein hosting disseminated pyrite.			
								Py	15	DI
157.96	158.22	VN	37	35	NUL	1	Grey to dark grey quartz vein hosting disseminated to blebby pyrite.			
								Py	20	BL
159.05	159.28	VN	37	-	NUL	1	Rubbly grey to dark grey quartz vein with interstitial tan ankerite hosting disseminated to blebby pyrite.			
								Py	10	BL
159.90	159.98	VN	37	50	NUL	1	Grey quartz vein hosting disseminated pyrite. Vein is cut by banded light pink rhodochrosite.			
								Py	5	DI
160.10	160.26	VN	37	-	NUL	1	Rubbly grey quartz vein hosting disseminated pyrite.			
								Py	5	DI
161.22	161.83	VN	37	10	NUL	1	Undulating long low angle grey quartz vein hosting disseminated to blebby pyrite.			
								Py	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
162.01	163.93	VN	37	10	NUL	1	Undulating long low angle grey quartz vein hosting disseminated to blebby pyrite.			
166.05	166.10	VN	37	-	NUL	1	Rubbly and broken up grey quartz and white carbonate vein hosting disseminated to blebby pyrite and blackjack sphalerite.			
								Py	15	BL
								Sp	5	BL
166.33	166.40	VN	37	40	NUL	1	Grey quartz vein with interstitial tan ankerite hosting disseminated to blebby pyrite.			
								Py	10	BL
166.45	166.45	VN	37	50	NUL	1	Dark grey gouge altered quartz/pyrite vein.			
								Py	10	DI
168.65	169.05	VB	37	70	NUL	1	Smokey quartz vein partially brecciated by white carbonate veinlets and stringers. Disseminated pyrite and trace disseminated chalcopyrite throughout vein. Cm grey quartz/white carbonate vein along lower selvedge hosting disseminated to blebby pyrite and trace disseminated blackjack sphalerite.			
								Ch	0.1	DI
								Sp	0.1	DI
								Py	5	DI
169.50	169.54	VN	37	80	NUL	1	Grey quartz/white carbonate vein hosting disseminated to blebby pyrite.			
								Py	25	BL
175.30	175.33	VB	37	70	NUL	1	Grey quartz brecciating granodiorite and tan ankerite.			
176.34	176.35	VB	37	35	NUL	1	Hematite stained dark grey quartz breccia.			
177.48	177.50	VN	37	30	NUL	1	Light grey quartz vein hosting disseminated to blebby pyrite and hematite.			
								He	5	BL
								Py	10	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381380	6890200	1244.42	567.26

ZONE: Western BRX

SECTION:

HOLE: KL-16-299

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jun 28 - Jul 06, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
44.8	34	-50.8	Reflex
562.96	47.5	-46.5	Reflex

TARGET: FWB02

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.65	6.65	OVB
6.65	7.3	0.65	GRD
7.3	11.61	4.31	GRD
11.61	38.45	26.84	GRD
38.45	39.75	1.3	GRD
39.75	52.47	12.72	GRD
52.47	56.14	3.67	GRD
56.14	62.68	6.54	GRD
62.68	63.94	1.26	FLR
63.94	71.82	7.88	GRD
71.82	72.43	0.61	QFP
72.43	78.33	5.9	GRD
78.33	79.93	1.6	GRD
79.93	81.01	1.08	FLR
81.01	88.78	7.77	GRD
88.78	89.68	0.9	FLR

SAMPLES	
Numbers:	K290422 to K290501, k292713 to K292714, K292730, K292737
Total:	84
Batch:	003, 004, 014, 020, 021
Certificates:	TR16108378, TR16108379, VA16112555, VA16112560, VA16121836

COMMENTS

Last 27 runs of KL-16-299 were completed using Metric Drill rods. Data for box log, magnetics, density, general lithology, and secondary structures have been adjusted, but Geotech is unable to be adjusted due to large margins of error that would result in recovery and RQD.

89.68	95.14	5.46	GRD
95.14	98	2.86	GRD
98	104.7	6.7	FLR
104.7	107.53	2.83	GRD
107.53	109.63	2.1	GRD
109.63	110.46	0.83	FLR
110.46	137.07	26.61	GRD
137.07	143.68	6.61	GRD
143.68	147.82	4.14	GRD
147.82	148.8	0.98	FLR
148.8	150.26	1.46	GRD
150.26	152.73	2.47	GRD
152.73	164.05	11.32	GRD
164.05	165.27	1.22	GRD
165.27	167.64	2.37	GRD
167.64	192	24.36	GRD
192	197.3	5.3	GRD
197.3	221.79	24.49	GRD
221.79	222.17	0.38	GRD
222.17	243.64	21.47	GRD
243.64	261.6	17.96	GRD
261.6	263.2	1.6	POR
263.2	267	3.8	GRD
267	271.34	4.34	GRD
271.34	284.92	13.58	GRD
284.92	366.86	81.94	GRD
366.86	370.26	3.4	QFP
370.26	370.36	0.1	FLR
370.36	376.04	5.68	QFP
376.04	380.54	4.5	GRD
380.54	383.37	2.83	FLR
383.37	464.64	81.27	GRD

464.64	464.69	0.05	GRD
464.69	464.81	0.12	QFP
464.81	468.14	3.33	GRD
468.14	469.54	1.4	QFP
469.54	474.57	5.03	GRD
474.57	475.28	0.71	BXA
475.28	483	7.72	QFP
483	484.51	1.51	BXA
484.51	509.1	24.59	QFP
509.1	550.75	41.65	GRD
550.75	558.69	7.94	QFP
558.69	563.87	5.18	GRD
563.87	564.05	0.18	GRD
564.05	567.26	3.21	GRD

Box Log

KL-16-299

Klaza
estern BRX Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	8.18
2	8.18	10.97
3	10.97	14.33
4	14.33	17.25
5	17.25	20.09
6	20.09	22.51
7	22.51	25.69
8	25.69	31.34
9	31.34	36
10	36	39.25
11	39.25	42.3
12	42.3	45.07
13	45.07	47.85
14	47.85	50.68
15	50.68	53.21
16	53.21	55.52
17	55.52	58.17
18	58.17	60.71
19	60.71	63.54
20	63.54	66.14
21	66.14	68.79
22	68.79	72.07
23	72.07	75.25
24	75.25	78.19
25	78.19	81.09
26	81.09	84.1
27	84.1	87
28	87	89.9
29	89.9	93.27
30	93.27	96.24
31	96.24	98.6
32	98.6	102.16
33	102.16	104.7
34	104.7	107.53
35	107.53	110.46
36	110.46	113.22
37	113.22	116.21
38	116.21	119.12
39	119.12	122.19
40	122.19	124.53
41	124.53	127.1
42	127.1	130.15
43	130.15	133.06
44	133.06	135.61
45	135.61	138
46	138	140.71
47	140.71	143.72
48	143.72	146.56
49	146.56	149.37
50	149.37	152.73
51	152.73	155.47
52	155.47	158.48
53	158.48	161.6
54	161.6	164.27
55	164.27	167.41
56	167.41	170.35
57	170.35	173.41
58	173.41	176.44
59	176.44	179.21
60	179.21	181.88
61	181.88	184.54
62	184.54	187.16
63	187.16	190.28
64	190.28	193
65	193	195.61
66	195.61	198.52
67	198.52	201.22
68	201.22	204
69	204	206.99
70	206.99	209.74
71	209.74	212.78
72	212.78	215.78
73	215.78	218.84
74	218.84	221.79
75	221.79	224.77
76	224.77	228
77	228	231.16
78	231.16	234.23
79	234.23	237.41
80	237.41	240.5
81	240.5	243.64
82	243.64	246.95
83	246.95	249.52
84	249.52	252.78
85	252.78	255.12
86	255.12	257.89
87	257.89	260.82
88	260.82	263.4
89	263.4	266.24
90	266.24	269.1

Box Number	From (m)	To (m)
91	269.1	271.77
92	271.77	274.56
93	274.56	277.56
94	277.56	280.5
95	280.5	283.52
96	283.52	286.34
97	286.34	289.5
98	289.5	292.54
99	292.54	295.57
100	295.57	298.84
101	298.84	301.87
102	301.87	305.1
103	305.1	308.17
104	308.17	311.35
105	311.35	314.41
106	314.41	317.58
107	317.58	320.58
108	320.58	323.83
109	323.83	326.98
110	326.98	329.92
111	329.92	333.25
112	333.25	336.6
113	336.6	339.77
114	339.77	342.56
115	342.56	345.3
116	345.3	348.17
117	348.17	351.04
118	351.04	353.91
119	353.91	357.15
120	357.15	360.18
121	360.18	363.34
122	363.34	366.51
123	366.51	369.68
124	369.68	372.84
125	372.84	375.91
126	375.91	379.16
127	379.16	382.22
128	382.22	385.09
129	385.09	388.49
130	388.49	391.65
131	391.65	394.6
132	394.6	397.68
133	397.68	401.07
134	401.07	403.98
135	403.98	406.97
136	406.97	409.92
137	409.92	413.11
138	413.11	416.2
139	416.2	419.44
140	419.44	422.55
141	422.55	425.76
142	425.76	428.72
143	428.72	431.81
144	431.81	434.6
145	434.6	437.58
146	437.58	440.86
147	440.86	443.89
148	443.89	446.97
149	446.97	449.67
150	449.67	452.21
151	452.21	455.87
152	455.87	458.69
153	458.69	461.8
154	461.8	464.81
155	464.81	468.08
156	468.08	471.73
157	471.73	474.41
158	474.41	477.37
159	477.37	480.33
160	480.33	483.44
161	483.44	486.64
162	486.64	489.65
163	489.65	492.62
164	492.62	495.57
165	495.57	498.86
166	498.86	502.1
167	502.1	505.45
168	505.45	508.5
169	508.5	511.92
170	511.92	515.11
171	515.11	518.45
172	518.45	521.77
173	521.77	525.01
174	525.01	528.15
175	528.15	531.41
176	531.41	534.7
177	534.7	537.85
178	537.85	544.12
179	544.12	547.12
180	547.12	550.11
181	550.11	556.21
182	556.21	559.3
183	559.3	562.15
184	562.15	565.45
185	565.45	567.26

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-299									
	78.19	11	HQ	GRD	971.4	615.3	2.83	2.7	Weakly chlorite altered granodiorite. Interval is moderately silicified due to quartz flooding present within entire zone.
	118.56	13	HQ	GRD	1149.5	722.2	2.84	2.7	Granodiorite that has undergone intense chlorite alteration and hematization (Christmas tree texture). Moderate to strong quartz flooding throughout.
	165	6	HQ	GRD	640.6	408.2	3.43	2.8	Dark smoky quartz vein 14cm long found within moderately phyllic altered granodiorite. Vein resembles a flooded quartz zone, with the main smoky quartz vein being accompanied by lesser smoky quartz mineralization along the lower selvedge extending another 8cm. Vein zone hosts blebby and disseminated pyrite, disseminated sphalerite around pyrite mineralizatoin, and arsenopyrite (?). Tan ankerite also accompanies sulfide mineralization, creating a breccia-like texture.
	178.93	8	HQ	GRD	700.5	439	2.81	2.7	Flooded quartz vein zone enveloped by . Quartz vein hosts trace hematization, as well as small veinlets of hematite (magnetite?) and pyrite in semi-blebs.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	195.38	11	HQ	GRD	968.2	610.1	2.82	2.7	Intensely chloritized granodiorite with intense pervasive hematization. A flooded quartz vein within this interval brecciates the chloritized/hemitized granodiorite, leaving an interconnected net texture of quartz, hematite, and chlorite.
	261.93	18	HQ	POR	1250	726.4	2.23	2.4	Purple/Green quartz feldspar porphyry with weak chloritization.
	280.14	14	HQ	GRD	1191.4	746.6	2.73	2.7	Weakly potassic to trace propylitic altered granodiortie
	370.07	11	HQ	QFP	988.8	610.3	2.88	2.6	quartz feldspar porphyry dyke with bands of brown and green QFP dyke transitioning into the brown-green QFP dyke intertonguing patches of quartz breccia. No mineralization present
	470.55	12	HQ	GRD	1112.1	702.7	2.97	2.7	Smokey quartz veins and veinlets found within moderately phyllic altered granodiorite. Veins crosscut granodiorte in a net texture, and are interconnected along the entire interval. Hosts disseminated blebby honey brown sphalerite. Veins slighly brecciate phyllic granodiorite.
	501.04	15.5	HQ	QFP	1242.8	758.4	2.57	2.6	Silicic tan quartz feldspar porphyry dyke.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	6.65	6.65	OVB	--	Overburden							
						MD	BR					
6.65	7.30	0.65	GRD	MG	Interval of heavily decomposed and weathered granodiorite. Highly fractured.							
						MD	BR					
						MD	WH					
7.30	11.61	4.31	GRD	--	Intensely broken down, rubbly, and weathered moderately argillic altered granodiorite. Displays moderate to strong oxidation in sections.							
						MD	BR					
						MD	OR					
						LT	BR		ARG	3I		
						LT	OR					
11.61	38.45	26.84	GRD	--	Alternating zones of Intensely broken down, rubbly, and weathered moderately argillic altered granodiorite and Interval of highly fractured and weathered granodiorite with argillic alteration. Highly fractured.Displays moderate to strong oxidation in sections.							
						MD	BR					
						MD	OR					
						MD	WH					
						LT	OR					
						LT	BR					
38.45	39.75	1.30	GRD	MG	Fractured granodiorite displaying strong oxidation and weathering which leads into competent weakly propylitic/oxidized granodiorite.							
						LT	OR		OXI	2I		
						LT	BR		PRO	2I		
						LT	GN					
39.75	52.47	12.72	GRD	MG	Zones of granodiorite alternating between highly fractured and oxidized weak to moderately argillic altered granodiorite, and more competent granodiorite that shows weak to moderate argillic/potassic alteration with weak to moderate oxidation.							
						LT	BR	RB	ARG	3I		
						LT	OR	FR	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		OXI	2I		
						LT	WH		OXI	3I		
									POT	2I		
52.47	56.14	3.67	GRD	MG	Trace to weak propylitic altered granodiorite that has been intensely fractured. Joints and fractures show calcite and chlorite infill.							
						LT	GN	FR	PRO	1I		
									PRO	2I		
58.37	59.98	1.61	GRD	MG	60cm zone of weakly hematite overprinted propylitic granodiorigte, hematite infill also in fractures and joints. Zone is severely fractured.							
						LT	RD	FR	HEM	2I		
						LT	GN		PRO	2I		
62.68	63.94	1.26	FLR	--	Fault zone displaying strong gouge altered granodiorite along the selvedges of the fault zone, leading to moderately gouge altered fault rock In the middle section of the zone.							
						LT	GN	RB				
						LT	GY	FR				
66.97	67.24	0.27	FLR	--	Small fault zone within moderate argillic altered granodiorite with weak phyllic overprinting that shows minor gouge alteration. Highyl fractured with little gouge, and moderate rubble.							
						MD	WH	RB	ARG	3I		
						LT	GN	FR	PHC	2I		
71.82	72.43	0.61	QFP	FG	Moderate to strongly silicified red QFP dyke with small quartz/carbonate stringers present throughout.							
						MD	RD		SIL	3I		
									SIL	4I		
78.33	79.93	1.60	GRD	MG	weak chloritized granodiorite with moderate quartz flooding. Slight trace hematization present in patches.							
						LT	GN	FR	CHL	1I		
						LT	RD		HEM	1I		
									CHL	2I		
79.93	81.01	1.08	FLR	--	Fault zone with moderate to strong gouge alteration. Contains a competent zone of quartz flooding along the lower selvedge of the fault zone.							
						LT	GN	RB				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
81.01	88.78	7.77	GRD	MG	weak to moderately chloritized/potassic granodiorite. Highly fractured.							
						LT	GN	FR	CHL	2I		
						LT	PK		POT	2I		
88.78	89.68	0.90	FLR	--	strongly gouge altered fault rock. Highly fractured with clay like textures.							
						LT	GN	FR				
89.68	95.14	5.46	GRD	--	weakly chloritic altered granodiorite with moderate quartz flooding. Contains patches of weak hematization, and is partially gouge altered in sections of the interval.							
						LT	GN	FR	CHL	2I		
						LT	RD		HEM	2I		
95.14	98.00	2.86	GRD	MG	Lightly chloritic/potassic altered granodiorite with intense fractures and weak quartz flooding.							
						LT	GN	FR	SIL	2I		
						LT	PK		POT	2I		
									CHL	2I		
98.00	104.70	6.70	FLR	--	Severely fractured weak chloritic/hematite altered granodiorite with moderate gouge alteration. Sections of compentent rock within interval.							
						MD	GY					
						LT	PK	RB	POT	2I		
						LT	GN	FR	CHL	2I		
104.70	107.53	2.83	GRD	MG	Highly fractured granodiorite that displays weak potassic alteration with trace to weak chloritization.							
						LT	GN	FR	CHL	1I		
						LT	PK		POT	2I		
107.53	109.63	2.10	GRD	MG	Intensely fractured weakly potassic/propylitic altered granodiorite. Large intervals of moderately gouged rock present.							
						LT	GN		POT	2I		
									PRO	2I		
109.63	110.46	0.83	FLR	--	Intensely gouged, weakly hematized fault gouge rock.							
						LT	GN		HEM	2I		
						LT	WH					
111.91	112.00	0.09	GRD	--	Highly fractured, moderately gouge altered granodiorite							
						MD	GY		CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	RD		HEM	2I		
112.00	112.59	0.59	GRD	MG	Lightly to trace potassic altered granodiorite with weak chloritization.							
						LT	GN					
						LT	PK					
137.07	143.68	6.61	GRD	MG	Alternating zones of weakly propylitic to argillic/potassic altered granodiorite, and weakly chloritized granodiorite with weak hematite overprinting. Interval is weakly quartz flooded with small quartz/carbonate stringers and veinlets occuring sporadically through entire interval.							
						MD	GN		HEM	2I		
						LT	GN		ARG	2I		
						LT	RD		POT	2I		
						LT	PK		PRO	2I		
									CHL	2I		
143.68	147.82	4.14	GRD	MG	strongly chlorite/hematite altered granodiorite. (Christmas tree texture). Rock is moderately to highly fractured with moderate to strong quartz flooding throughout.							
						MD	GN		CHL	4I		
						MD	RD		HEM	4I		
147.82	148.80	0.98	FLR	--	Moderately gouge altered granodiorite that has been moderately fractured. Interval ranges from competent to soft enough to deform with a finger.							
						MD	WH					
						LT	GN	FR				
148.80	150.03	1.23	GRD	MG	weakly chlorite/hematite altered granodiorite tha displays trace to moderate gouge aleration.							
									HEM	1I		
									CHL	2I		
150.03	150.26	0.23	FLR	--	moderately gouge altered granodiorite. Has weak hematizaion and chloritization and breaks down when poked with scribe.							
						LT	GN		CHL	2I		
						LT	RD		HEM	1I		
150.26	152.73	2.47	GRD	MG	Moderate chlorite overprinted by weak hematite altered granodiorite with deep green chlorite veins and veinlets throughout. Becomes less altered towards end of interval.							
						MD	GN		CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	RD		HEM	2I		
152.73	154.73	2.00	GRD	MG	Trace to weak propylitic/potassic altered granodiorite with small patches of weak argillic alteration							
						LT	GN					
						LT	PK					
154.73	155.00	0.27	GRD	MG	Highly fractured, broken down zone of lightly chloritic/hematite altered granodiorite. Has presence of minor clay infill between fractures.							
						LT	GN		CHL	2I		
						LT	RD		HEM	2I		
155.00	164.05	9.05	GRD	MG	Trace to weak propylitic/potassic altered granodiorite with small patches of weak argillic alteration							
						LT	GN					
						LT	PK					
164.05	165.27	1.22	GRD	MG	Moderately phyllic/chloritic altered granodiorite. Interval hosts a vein zone ~45cm long hosting both a small quartz vein and a larger vein with slight brecciation.							
						MD	GN		PHC	3I	Sp	0.1
						LT	GN	BX	PHC	2I	Py	1
									CHL	2I	Gn	0.1
165.27	167.64	2.37	GRD	MG	Lightly to moderately chloritized granodiorite that displays moderate quartz flooding throughout. Rock textures have been destroyed, leaving only patchy quartz and chlorite stringers present							
						LT	GN		CHL	2I	--	0
									CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
167.64	184.73	17.09	GRD	MG	Large interval of alternating granodiorite with three recurring alteration patterns throughout the entire section. Large patches of weakly propylitic/potassic altered granodiorite are present with sporadic aplite dyke intersections occur as a dominant alteration type. This is followed by large patchy intervals of weak to moderately chloritic altered granodiorite with weak to moderate hematite overprinting. Chlorite veins and veinlets, as well as hematite veinlets are abundant in these zones, along with hematite infill along fractures and joints. This alteration has no identifiable rock textures, and is weakly to moderately silicified. A final, more intense chlorite/hematite altered zone is found within this interval, containing multiple chlorite veins and hematite infill (displays christmas tree texture). Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval, with no visible sulfide mineralization.							
						MD	GN		HEM	2I		
						MD	RD		CHL	2I		
						LT	GN	PA	HEM	4I		
						LT	RD	FR	HEM	3I		
						LT	PK		CHL	4I		
						DK	GN		CHL	3I		
									PRO	2I		
									POT	2I		
184.73	184.94	0.21	GRD	--	Zone of moderately gouge altered granodiorite. Contains barren quartz vein along lower selvedge.							
						LT	WH					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
184.94	192.00	7.06	GRD	MG	Large interval of alternating granodiorite with three recurring alteration patterns throughout the entire section. Large patches of weakly propylitic/potassic altered granodiorite are present with sporadic aplite dyke intersections occur as a dominant alteration type. This is followed by large patchy intervals of weak to moderately chloritic altered granodiorite with weak to moderate hematite overprinting. Chlorite veins and veinlets, as well as hematite veinlets are abundant in these zones, along with hematite infill along fractures and joints. This alteration has no identifiable rock textures, and is weakly to moderately silicified. A final, more intense chlorite/hematite altered zone is found within this interval, containing multiple chlorite veins and hematite infill (displays christmas tree texture). Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval, with no visible sulfide mineralization.							
						MD	RD		CHL	2I		
						MD	GN		HEM	2I		
						LT	GN	PA	HEM	4I		
						LT	RD	FR	HEM	3I		
						LT	PK		CHL	4I		
						DK	GN		CHL	3I		
									PRO	2I		
									POT	2I		
192.00	193.70	1.70	GRD	MG	Zone of weakly chloritized/hematite altered granodiorite that experiences stronger alteration gradually towards the centre of the Interval							
						MD	GN					
						MD	RD					
193.70	197.30	3.60	GRD	MG	Interval of weakly chloritized/hematite altered granodiorite that experiences stronger alteration gradually towards the centre of the zone. Contains a patch of intense chlorite/hematite altered granodiorite beiong intruded by an interconnected network of calcite/chlorite veins over 15cm with highly fractured rubble on either side.							
						MD	RD		CHL	5I		
						MD	GN		CHL	3I		
						LT	GN	NE	CHL	2I		
						LT	RD		CHL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		HEM	2I		
									HEM	3I		
									HEM	4I		
									HEM	5I		
202.44	202.79	0.35	GRD	MG	Quartz flooded propylitic/potassic altered granodiorite. Contains interconnecting veins of quartz over the length of the interval, as well as a zone of weak hematization. Weak chlorite overprinting is present.							
						MD	GN		POT	2I		
						LT	GN	NE	PRO	2I		
						LT	PK		CHL	2I		
						LT	WH		HEM	2I		
									CHL	3I		
205.70	206.11	0.41	GRD	MG	Chloritic altered granodiorite with a weak to moderate phyllic halo overprinting the original alteration. Hosts a quartz/carbonate vein hosting Sp, Gn, Py, Sy(?)							
						LT	GN		PHC	2I	Py	3
											Sy	0.1
									PHC	3I	Gn	0.1
									CHL	2I	Sp	0.1
212.70	213.63	0.93	GRD	MG	Large halo of weak propylitic/potassic/phyllic altered granodiorite that transitions into a moderate to strongly phyllic altered halo 22cm wide that envelopes a blebby pyrite veinlet with net texture pyrite stringers eminating around it.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I	Py	1
						LT	PK		PHC	3I		
									PRO	2I		
									POT	2I		
215.10	215.34	0.24	GRD	MG	Argillic altered granodiorite halo with weak chloritization containing a quartz veinlet with concentrated blebby pyrite.							
						MD	WH					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
221.79	222.17	0.38	GRD	MG	Zone of propylitic to phyllic altered granodiorite that has been weakly to moderately hematite altered and chloritized. Contains a small quartz vein hosting blebby to disseminated pyrite. Interval ends in a moderately gouge altered section of phyllic altered granodiorite with chloritic overprinting that hosts disseminated to blebby pyrite							
						MD	RD		PRO	2I		
						MD	GY		HEM	2I		
						MD	GN		PHC	3I		
						LT	GN		PHC	2I	Py	2
						LT	RD		CHL	2I		
222.17	243.64	21.47	GRD	MG	Large interval of granodiorite with multiple recurring alterations throughout. Patches of weakly chlorite altered granodiorite are present with high competency. This is followed by large patchy intervals of weakly argillic altered granodiorite with patches of weak to moderate chlorite overprinting. Alteration also fluctuates between weakly potassic/propylitic+-argillic altered granodiorite and weakly phyllic/chloritic altered zones containing chlorite veins and weak hematization. Chlorite stringers are present throughout the weakly chloritic granodiorite, as well as in the argillic/chloritic altered granodiorite, along with quartz flooding causing weak silicification (not enough to destroy rock textures). Sulfide mineralization is only present in a single vein, containing a range of sulfides within a halo of phyllic overprinted chlorite altered granodiorite at the beginning of the interval. Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval due to quartz flooding, and entire interval is sporadically quartz flooded with weak to moderate silicification.							
						MD	GN		PHC	3I	He	0.5
						MD	RD		ARG	2I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	RD		CHL	2I		
						LT	WH		CHL	3I		
						LT	PK		POT	2I		
									ARG	3I		
									HEM	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I		
243.64	261.60	17.96	GRD	MG	Interval containing 3 main types of recurring alteration. First is a moderate to strong propylitic/chloritic alteration. This is followed by weak to moderate potassic/propylitic alteration with sporadic patches of both weak argillic and hematite alteration. Finally, Granodiorite is altered by weak chloritization and hematization.							
						MD	GN		PRO	3I		
						LT	GN	PA	PRO	2I		
						LT	RD		ARG	2I		
						LT	PK		HEM	2I		
									CHL	2I		
									CHL	3I		
261.60	263.20	1.60	POR	MG	Purple/green quartz feldspar prophyry dyke with patchy weak to moderate chlorite alteration. Dyke has quartz carbonate veinlets throughout.							
						MD	GN					
						MD	PU					
						LT	WH					
263.20	267.00	3.80	GRD	MG	Highly fractured potassic/argillic altered granodiorite with weak hematization.							
						MD	PK	FR	POT	3I		
						LT	PK		HEM	2I		
						LT	GN					
267.00	271.34	4.34	GRD	MG	Intensely chloritic/hematite altered granodiorite. Highly fractured with chlorite and quartz infill. Displays moderate quartz flooding, with rock textures partially destroyed.							
						LT	WH					
						DK	RD					
						DK	GN					
271.34	284.92	13.58	GRD	MG	Weakly potassic to trace to weak propylitic altered granodiorite. Joints and fractures display hematite and calcite infill. Interval has patches of moderate chloritization and slight hematization.							
						LT	GN		PRO	2I		
						LT	PK		POT	2I		
									CHL	3I		
									HEM	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.92	292.59	7.67	GRD	MG	Large intervals of altered granodiorite alternating between three types of alteration. Moderate argillic/weak potassic with patches of trace propylitic overprinting occurs. This is followed by granodiorite ranging from trace to moderate propylitic/potassic alteration with strong competence. This interval contains a zone of chlorite/hematite altered granodiorite that has been silicified and quartz flooded, with a hematite/quartz/carbonate vein at the lower selvedge of the altered zone. The final style of alteration seen is a weak propylitic/potassic altered granodiorite with weak to moderate chlorite/hematite overprinting. This alteration has both chloritization and hematization along fractures and joints. Weak hemamtite infill along fractures and veins occurs in argillic/potassic/propylitic altered granodiorite. Aplite dyke also occurts within zone of argillic/potassic granodiorite. Moderate to strong silicificaton occurs throughout.							
						MD	GN		ARG	3I		
						LT	GN	PA	PRO	2I		
						LT	PK		POT	2I		
						LT	RD		ARG	2I		
									SIL	4I		
									HEM	2I		
									POT	1I		
									PRO	1I		
									SIL	2I		
									CHL	2I		
									HEM	3I		
									CHL	3I		
									SIL	3I		
									PRO	3I		
292.59	294.74	2.15	GRD	MG	Interval of quartz flooded weak to moderate potassic/propylitic altered granodiorite that displays large quartz flooding. Flooding has broken down rock textures and weakened rock competence. Quartz/carbonate veins present throughout. Zone contains a 6cm quartz/carbonate/hematite vein.							
						LT	WH		SIL	2I		
						LT	GN		POT	2I	He	3
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
294.74	306.28	11.54	GRD	MG	Large intervals of altered granodiorite alternating between three types of alteration. Moderate argillic/weak potassic with patches of trace propylitic overprinting occurs. This is followed by granodiorite ranging from trace to moderate propylitic/potassic alteration with strong competence. This interval contains a zone of chlorite/hematite altered granodiorite that has been silicified and quartz flooded, with a hematite/quartz/carbonate vein at the lower selvedge of the altered zone. The final style of alteration seen is a weak propylitic/potassic altered granodiorite with weak to moderate chlorite/hematite overprinting. This alteration has both chloritization and hematization along fractures and joints. Weak hemamtite infill along fractures and veins occurs in argillic/potassic/propylitic altered granodiorite. Aplite dyke also occurts within zone of argillic/potassic granodiorite. Moderate to strong silicificaton occurs throughout.							
						MD	GN		ARG	3I		
						LT	RD		ARG	2I		
						LT	GN		PRO	2I		
						LT	PK		POT	2I		
									PRO	3I		
									POT	1I		
									PRO	1I		
									SIL	2I		
									SIL	3I		
									HEM	3I		
									HEM	2I		
									CHL	3I		
									CHL	2I		
									SIL	4I		
306.28	308.81	2.53	GRD	MG	Interval of chloritized and hematized granodiorite. Contains chlorite, hematite, and quartz veinlets with hematite infill along joints.							
						MD	GN		HEM	3I		
						LT	GN		CHL	2I		
						LT	RD		CHL	3I		
									POT	2I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
308.81	366.86	58.05	GRD	MG	Large intervals of altered granodiorite alternating between three types of alteration. Moderate argillic/weak potassic with patches of trace propylitic overprinting occurs. This is followed by granodiorite ranging from trace to moderate propylitic/potassic alteration with strong competence. This interval contains a zone of chlorite/hematite altered granodiorite that has been silicified and quartz flooded, with a hematite/quartz/carbonate vein at the lower selvedge of the altered zone. The final style of alteration seen is a weak propylitic/potassic altered granodiorite with weak to moderate chlorite/hematite overprinting. This alteration has both chloritization and hematization along fractures and joints. Weak hemamtite infill along fractures and veins occurs in argillic/potassic/propylitic altered granodiorite. Aplite dyke also occurts within zone of argillic/potassic granodiorite. Moderate to strong silicificaton occurs throughout.							
						MD	GN		ARG	3I		
						LT	PK		POT	2I		
						LT	RD		ARG	2I		
						LT	GN		PRO	2I		
									HEM	3I		
									POT	1I		
									PRO	1I		
									SIL	2I		
									SIL	4I		
									SIL	3I		
									HEM	2I		
									CHL	3I		
									CHL	2I		
									PRO	3I		
366.86	367.50	0.64	QFP	--	Green to brown dyke with slight banding within the first 20cm.							
						LT	BR	PO				
						LT	GN					
367.50	369.68	2.18	QFP	--	Purple dyke with quartz/carbonate and chlorite stringers							
						MD	PU	PO				
370.36	375.77	5.41	QFP	--	Green quartz feldspar porphyry dyke. Range of clasts from aphanetic to pebble size. Quartz/carbonate veinlets and veins throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PO				
375.77	376.04	0.27	QFP	--	Gradual transiton to argillic/phyllic altered granodiorite. Contact hosts a zone smokey quartz, tan ankerite, honey brown sphalerite, magnetite, galena, and pyrite.							
						MD	GY				Sp	25
						LT	GN	PO			Mg	18
											Py	2
											Gn	4
376.04	380.54	4.50	GRD	MG	Large zone of recurring granodiorite alterations. 4 main types are seen. Moderately propylitic altered granodiorite with patches of chloritic/hematite overprinting occurr in patches with moderately argillic/propylitic altered granodiorite with weak chloritization and hematization. Patches of moderate to strongly gouge altered granodiorite. Quartz and chlorite veins to veinlets throughout.							
						MD	GN		ARG	3I		
						LT	GN	PA	ARG	2I	Py	0.1
						LT	PK		PRO	3I		
									POT	2I		
									HEM	2I		
									PRO	2I		
									CHL	3I		
									CHL	2I		
380.54	383.37	2.83	FLR	--	Interval of highly gouge altered phyllic/chloritic altered granodiorite. Highly gouge altered granodiorite is broken into two zones by an interval of trace gouge altered phyllic/chloritic granodiorite 52cm long. Zone has multiple quartz veins containing disseminated pyrite.							
						MD	GN	FR				
						LT	GN	RB				
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
383.37	410.00	26.63	GRD	--	Alternating zones of propylitic altered granodiorite with trace to weak chlorite/ hematite overprinting, phyllic altered granodiorite with weak chloritization and hematization, weak argillic/propylitic/potassic altered granodiorite, and moderate argillic alterd granodiorite with moderate chlorite overprinting. Contains sporadic mineralized quartz veins throughout. Interval is moderately silicified (no rock texture breakdown)							
						MD	GN		PRO	3I	Cl	3
						LT	GN	PA	PRO	2I	Sp	1
						LT	PK		POT	2I		
						LT	RD		CHL	2I		
						LT	WH		CHL	3I		
									ARG	2I		
									PHC	2I		
									PHC	3I		
									HEM	2I		
410.00	411.00	1.00	GRD	MG	Severe chlorite/hematite altered granodiorite with high chlorite/hematite fracture and stringer infill. Alteration has a weak phyllic/chloritic altered interval with trace hematizaton. Entire interval has quartz flooding. Quartz carbonate vein found within phyllic altered zone. No mineralization present.							
						MD	WH		PHC	2I		
						MD	GN		CHL	5I		
						MD	RD		HEM	5I		
						LT	GN					
						DK	RD	PA	HEM	4I		
						DK	GN		CHL	4I		
464.64	464.69	0.05	GRD	MG	Moderately gouge altered propylitic altered granodiorite. Lays at contact to purple quartz feldspar porphyry dyke.							
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
464.69	464.81	0.12	QFP	--	Purple quartz feldspar porphyry dyke. Displays weak gouge alteration along both selvedges of the dyke.							
						MD	PU	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
468.14	469.54	1.40	QFP	--	Purple quartz feldspar porphyry dyke. Found enveloped by light brown/green QFP dyke. Quartz stringers and small clasts found within.							
						MD	PU	PO				
469.54	474.57	5.03	GRD	MG	Moderate to strongly propylitic altered granodiorite							
						MD	GN		PRO	4I		
						LT	GN		PRO	3I		
474.57	475.28	0.71	BXA	MG	propylitic altered granodiorite that has been brecciated by both brown silicic quartz feldspar porphyry dyke and smokey quartz hosting disseminated to semi massive pyrite and blebby magnetite. Clast size ranges from pebble to cobble size. Entire interval contains disseminated pyrite throughout.							
						MD	GN	PA				
						MD	GY					
						LT	GN	PO	PRO	3I	Py	3
						LT	OR					
						LT	BR					
475.28	483.00	7.72	QFP	FG	Silicic quartz feldspar porphyry with multiple phases of colours, including red, green, red/green, light brown, tan.							
						LT	BR	PO				
						LT	TN					
						LT	GN					
						LT	RD					
483.00	484.51	1.51	BXA	MG	Strongly propylitic altered granodiorite that has undergone quartz flooding and brecciation. Breccia contains mottled zones of black sulfide (similar to 469m) with fine grained pyrite present within. Disseminated pyrite can be seen throughout the entire interval, and tan ankerite is seen along the upper selvedge in minor blebs along with minor zoned honey brown sphalerite.							
						MD	BK	MO			Sp	0.1
						MD	GN	BX	PRO	4I	Ak	0.1
						DK	GN	PO	PRO	3I	Py	5
484.51	496.67	12.16	QFP	MG	Quartz feldspar porphyry dyke. Ranges from red, purple light green, brown dyke with weak to strong silicification occuring in patches throughout. Interval contains sporadic quartz veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PU					
						LT	GN	PO				
						LT	BR					
496.67	506.40	9.73	QFP	--	Highly silicified tan quartz feldspar porphyry dyke							
						LT	TN	PO	SIL	3I		
									SIL	4I		
509.10	526.90	17.80	GRD	MG	Altered granodiorite with multiple alteration types. Large intervals of moderate propylitic/weak potassic altered granodiorite with patches of trace propylitic/potassic altered granodiorite occur (very trace alteration). Weak to slightly moderate chloritization with hematite overprinting occurs. Alteration contains sporadic patches of heavily quartz flooded granodiorite that displays unaltered granodiorite to weak phyllic/propylitic alteration. Quartz flooding completely replaces rock textures in patches along interval.							
						LT	GN	PA	PRO	2I		
						LT	PK		PRO	1I		
						LT	WH		POT	1I		
									HEM	1I		
									HEM	2I		
									CHL	2I		
									SIL	3I		
									SIL	4I		
									POT	2I		
526.90	527.94	1.04	GRD	MG	Weakly propylitic/potassic altered granodiorite with patches of phyllic/propylitic alteration. Entire interval has undergone strong silicification in patches. Granodiorite is completely replaced by quartz flooding in patches.							
						LT	PK		SIL	4I		
						LT	WH		PRO	1I		
						LT	GN		SIL	5I		
									PHC	2I		
									POT	1I		
529.31	529.86	0.55	GRD	MG	Trace to weakly propylitic/potassic altered granodiorite displaying strong silicification parallel to the core along a clay altered joint. Silicified zone shows weak hematization.							
						LT	GN		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	RD					
550.75	558.69	7.94	QFP	--	Green/light red quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	RD					
558.69	563.87	5.18	GRD	MG	Moderately argillic altered granodiorite with patchy weak to strong chloritic/hematized overprinting. Overprinted alterations get progressively stonger with depth until the end of the interval. Contains patches of weak to moderate propylitic/weak potassic altered granodiorite.							
						MD	GN		CHL	2I		
						MD	PK		HEM	4I		
						MD	RD		HEM	2I		
						LT	GN	PA	ARG	3I		
						LT	PK		HEM	3I		
						LT	RD		CHL	4I		
						DK	PK		PRO	2I		
						DK	GN		CHL	3I		
									PRO	3I		
									POT	2I		
563.87	564.05	0.18	GRD	MG	Strongly gouge altered weakly propylitic granodiorite.							
						LT	GN	RB				
564.05	567.26	3.21	GRD	MG	Weakly propylitic altered to moderately propylitic/weakly potassic altered granodiorite. Contains a phyllic/argillic halo carrying a milky quartz vein that displays weak mineralization.							
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	6.65	6.65	OVB	--	Overburden							
						MD	BR					
6.65	7.30	0.65	GRD	MG	Interval of heavily decomposed and weathered granodiorite. Highly fractured.							
						MD	BR					
						MD	WH					
7.30	11.61	4.31	GRD	--	Intensely broken down, rubbly, and weathered moderately argillic altered granodiorite. Displays moderate to strong oxidation in sections.							
						MD	OR					
						LT	BR		ARG	3I		
						LT	OR		ARG	4I		
						MD	BR		OXI	4I		
11.61	38.45	26.84	GRD	--	Alternating zones of Intensely broken down, rubbly, and weathered moderately argillic altered granodiorite and Interval of highly fractured and weathered granodiorite with argillic alteration. Highly fractured.Displays moderate to strong oxidation in sections.							
						MD	BR		ARG	4I		
						MD	WH		ARG	3I		
						LT	BR		OXI	4I		
						LT	OR					
						MD	OR					
38.45	39.75	1.30	GRD	MG	Fractured granodiorite displaying strong oxidation and weathering which leads into competent weakly propylitic/oxidized granodiorite.							
						LT	OR		OXI	2I		
						LT	BR		PRO	2I		
						LT	GN					
39.75	52.47	12.72	GRD	MG	Zones of granodiorite alternating between highly fractured and oxidized weak to moderately argillic altered granodiorite, and more competent granodiorite that shows weak to moderate argillic/potassic alteration with weak to moderate oxidation.							
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		OXI	3I		
						LT	PK		OXI	2I		
						LT	BR	RB	ARG	3I		
						LT	OR	FR	ARG	2I		
52.47	56.14	3.67	GRD	MG	Trace to weak propylitic altered granodiorite that has been intensely fractured. Joints and fractures show calcite and chlorite infill.							
									PRO	2I		
						LT	GN	FR	PRO	1I		
56.14	62.68	6.54	GRD	MG	Weakly propylitic altered granodiorite that has been severely fractuerd. Contains a zone of weakly overprinted hematite alteration, with hematite infill in fractures and joints (~60cm)							
						LT	RD		PRO	2I		
						LT	GN	FR	HEM	2I		
62.68	63.94	1.26	FLR	--	Fault zone displaying strong gouge altered granodiorite along the selvedges of the fault zone, leading to moderately gouge altered fault rock In the middle section of the zone.							
						LT	GY	FR				
						LT	GN	RB				
63.94	71.82	7.88	GRD	MG	weakly to moderate argillic altered granodiorite with weak phyllic overprinting that has been highly fractured. A small fault zone that shows minor gouge alteration is present in the middle of the zone (~23cm). This zone contains occasional barren quartz/carbonate veins (up to 2.5m apart) cross cutting the host rock as well as small chlorite veinlets and stringers.							
									ARG	3I		
									PHC	2I		
						LT	GN	FR	ARG	2I		
71.82	72.43	0.61	QFP	FG	Moderate to strongly silicified red QFP dyke with small quartz/carbonate stringers present throughout.							
						MD	RD		SIL	3I		
									SIL	4I		
78.33	79.93	1.60	GRD	MG	weak chloritized granodiorite with moderate quartz flooding. Slight trace hematization present in patches.							
						LT	RD		HEM	1I		
									CHL	2I		
						LT	GN	FR	CHL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
79.93	81.01	1.08	FLR	--	Fault zone with moderate to strong gouge alteration. Contains a competent zone of quartz flooding along the lower selvedge of the fault zone.							
						LT	GN	RB	---	--		
81.01	88.78	7.77	GRD	MG	weak to moderately chloritized/potassic granodiorite. Highly fractured.							
						LT	GN	FR	CHL	2I		
						LT	PK		POT	2I		
88.78	89.68	0.90	FLR	--	strongly gouge altered fault rock. Highly fractured with clay like textures.							
						LT	GN	FR				
89.68	95.14	5.46	GRD	--	weakly chloritic altered granodiorite with moderate quartz flooding. Contains patches of weak hematization, and is partially gouge altered in sections of the interval.							
						LT	RD		HEM	2I		
						LT	GN	FR	CHL	2I		
95.14	98.00	2.86	GRD	MG	Lightly chloritic/potassic altered granodiorite with intense fractures and weak quartz flooding.							
						LT	PK		POT	2I		
						LT	GN	FR	SIL	2I		
									CHL	2I		
98.00	104.70	6.70	FLR	--	Severely fractured weak chloritic/hematite altered granodiorite with moderate gouge alteration. Sections of compentent rock within interval.							
						MD	GY					
						LT	PK	RB	POT	2I		
						LT	GN	FR	CHL	2I		
104.70	107.53	2.83	GRD	MG	Highly fractured granodiorite that displays weak potassic alteration with trace to weak chloritization.							
						LT	PK		POT	2I		
						LT	GN	FR	CHL	1I		
107.53	109.63	2.10	GRD	MG	Intensely fractured weakly potassic/propylitic altered granodiorite. Large intervals of moderately gouged rock present.							
						LT	GN		POT	2I		
									PRO	2I		
109.63	110.46	0.83	FLR	--	Intensely gouged, weakly hematized fault gouge rock.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						LT	GN		HEM	2I		
110.46	137.07	26.61	GRD	MG	Intensely chlorite/hematite altered granodiorite. (Christmas tree texture). Rock is moderately to highly fractured with moderate to strong quartz flooding throughout. Contains small intervals of potassic/propylitic altered granodiorite.							
						DK	GN		CHL	3I		
						DK	RD		HEM	3I		
						MD	GN		CHL	4I		
						LT	GN		CHL	5I		
						LT	PK		HEM	5I		
									POT	1I		
									PRO	1I		
						MD	RD		HEM	4I		
137.07	143.68	6.61	GRD	MG	Alternating zones of weakly propylitic to argillic/potassic altered granodiorite, and weakly chloritized granodiorite with weak hematite overprinting. Interval is weakly quartz flooded with small quartz/carbonate stringers and veinlets occuring sporadically through entire interval.							
						LT	PK		PRO	2I		
						LT	GN		ARG	2I		
						MD	GN		HEM	2I		
						LT	RD		POT	2I		
									CHL	2I		
143.68	147.82	4.14	GRD	MG	strongly chlorite/hematite altered granodiorite. (Christmas tree texture). Rock is moderately to highly fractured with moderate to strong quartz flooding throughout.							
						MD	RD		HEM	4I		
						MD	GN		CHL	4I		
147.82	148.80	0.98	FLR	--	Moderately gouge altered granodiorite that has been moderately fractured. Interval ranges from competent to soft enough to deform with a finger.							
						LT	GN	FR				
						MD	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
148.80	150.26	1.46	GRD	--	weakly chlorite/hematite altered granodiorite tha displays trace to moderate gouge aleration. Interval ranges from competent chlorite/hematite altered granodiorie to gouge altered rock that is very soft.							
						LT	RD		HEM	2I		
						LT	GN	FR	CHL	2I		
150.26	152.73	2.47	GRD	MG	Moderate chlorite overprinted by weak hematite altered granodiorite with deep green chlorite veins and veinlets throughout. Becomes less altered towards end of interval.							
						LT	RD		HEM	2I		
						MD	GN		CHL	3I		
152.73	164.05	11.32	GRD	MG	Trace to weak propylitic/potassic altered granodiorite with small patches of weak argillic alteration. This zone alernates with small zones of weakly chloritized/hematite altered granodiorite, which carry sporadic veins/veinlets of quartz/carbonate with trace pyrite, and chlorite veins/veinlets. The zones of weak chloritizataion/hematization appear more fractured, and have more breakdown than the more competent potassic/propylitic altered granodiorite.							
									PRO	2I		
						LT	PK	FR	CHL	2I	Py	0.1
						LT	RD		HEM	2I		
						LT	GN		POT	2I		
164.05	165.27	1.22	GRD	MG	Moderately phyllic/chloritic altered granodiorite. Interval hosts a vein zone ~45cm long hosting both a small quartz vein and a larger vein with slight brecciation.							
						MD	GN		PHC	3I	Sp	0.1
						LT	GN	BX	PHC	2I	Py	1
									CHL	2I	Gn	0.1
165.27	167.64	2.37	GRD	MG	Lightly to moderately chloritized granodiorite that displays moderate quartz flooding throughout. Rock textures have been destroyed, leaving only patchy quartz and chlorite stringers present							
						LT	GN		CHL	2I	--	0
									CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
167.64	192.00	24.36	GRD	MG	Large interval of alternating granodiorite with three recurring alteration patterns throughout the entire section. Large patches of weakly propylitic/potassic altered granodiorite are present with sporadic aplite dyke intersections occur as a dominant alteration type. This is followed by large patchy intervals of weak to moderately chloritic altered granodiorite with weak to moderate hematite overprinting. Chlorite veins and veinlets, as well as hematite veinlets are abundant in these zones, along with hematite infill along fractures and joints. This alteration has no identifiable rock textures, and is weakly to moderately silicified. A final, more intense chlorite/hematite altered zone is found within this interval, containing multiple chlorite veins and hematite infill (displays christmas tree texture). Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval, with no visible sulfide mineralization.							
						DK	GN		CHL	3I		
						LT	GN	PA	HEM	4I		
						MD	RD		CHL	2I		
						LT	PK		CHL	4I		
									PRO	2I		
									POT	2I		
						LT	RD	FR	HEM	3I		
						MD	GN		HEM	2I		
192.00	197.30	5.30	GRD	MG	Zone of weakly chloritized/hematite altered granodiorite that experiences stronger alteration gradually towards the centre of the Interval. Contains a patch of intense chlorite/hematite altered granodiorite beiong intruded by an interconnected network of calcite/chlorite veins over 15cm with highly fractured rubble on either side.4							
						LT	RD		CHL	4I		
									HEM	5I		
									HEM	4I		
									HEM	3I		
						MD	RD		CHL	5I		
						MD	GN		CHL	3I		
						LT	GN	NE	CHL	2I		
						LT	WH		HEM	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
197.30	221.79	24.49	GRD	MG	Large interval of granodiorite with multiple recurring alterations throughout. Interval begins as a very weakly argillic/chloritic altered granodiorite,with alternating patterns of alteration. Large patches of weakly Chloritized/hematite altered granodiorite are present with high competence, and chlorite stringers present throughout. This is followed by large patchy intervals of moderately chlorite altered granodiorite with patches of weak hematitic overprinting. Chlorite veins and veinlets are abundant in these zones, along with quartz flooding causing weak silicification (not enough to destroy rock textures). Mineralization containing a range of sulfides is sporadically present within halos of phyllic overprinted chlorite altered granodiorite. Alteration also fluctuates between weakly potassic/propylitic+-argillic altered granodiorite and more modearte chlorite/hematite altered zones containin chlorite veins and hematite infill (displays weak christmas tree texture). Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval due to quartz flooding, and entire interval is sporadically quartz flooded with weak to moderate silicification.							
									POT	2I		
									ARG	2I		
									PRO	3I		
						LT	WH		CHL	3I		
						DK	GN		PRO	2I	Gn	0.1
						MD	GN		PHC	3I	Sp	0.1
						LT	PK		HEM	2I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	RD		CHL	2I	Sy	0.1
221.79	222.17	0.38	GRD	MG	Zone of propylitic to phyllic altered granodiorite that has been weakly to moderately hematite altered and chloritized. Contains a small quartz vein hosting blebby to disseminated pyrite. Interval ends in a moderately gouge altered section of phyllic altered granodiorite with chloritic overprinting that hosts disseminated to blebby pyrite							
						LT	GN		PHC	2I	Py	2
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	RD		CHL	2I		
						MD	RD		PRO	2I		
						MD	GY		HEM	2I		
222.17	243.64	21.47	GRD	MG	Large interval of granodiorite with multiple recurring alterations throughout. Patches of weakly chlorite altered granodiorite are present with high competency. This is followed by large patchy intervals of weakly argillic altered granodiorite with patches of weak to moderate chlorite overprinting. Alteration also fluctuates between weakly potassic/propylitic+-argillic altered granodiorite and weakly phyllic/chloritic altered zones containing chlorite veins and weak hematization. Chlorite stringers are present throughout the weakly chloritic granodiorite, as well as in the argillic/chloritic altered granodiorite, along with quartz flooding causing weak silicification (not enough to destroy rock textures). Sulfide mineralization is only present in a single vein, containing a range of sulfides within a halo of phyllic overprinted chlorite altered granodiorite at the beginning of the interval. Quartz/carbonate veins and veinlets can be found sporadically throughout entire interval due to quartz flooding, and entire interval is sporadically quartz flooded with weak to moderate silicification.							
						LT	GN	PA	PHC	2I	Py	0.1
									HEM	2I		
									ARG	3I		
						MD	RD		ARG	2I		
						LT	PK		POT	2I		
						LT	WH		CHL	3I		
						LT	RD		CHL	2I		
									PRO	2I		
						MD	GN		PHC	3I	He	0.5
243.64	261.60	17.96	GRD	MG	Interval containing 3 main types of recurring alteration. First is a moderate to strong propylitic/chloritic alteration. This is followed by weak to moderate potassic/propylitic alteration with sporadic patches of both weak argillic and hematite alteration. Finally, Granodiorite is altered by weak chloritization and hematization.							
						LT	RD		ARG	2I		
						LT	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									CHL	3I		
						LT	PK		HEM	2I		
									CHL	2I		
						MD	GN		PRO	3I		
261.60	263.20	1.60	POR	MG	Purple/green quartz feldspar prophyry dyke with patchy weak to moderate chlorite alteration. Dyke has quartz carbonate veinlets throughout.							
						MD	GN					
						MD	PU					
						LT	WH					
263.20	267.00	3.80	GRD	MG	Highly fractured potassic/argillic altered granodiorite with weak hematization.							
						LT	GN					
						MD	PK	FR	POT	3I		
						LT	PK		HEM	2I		
267.00	271.34	4.34	GRD	MG	Intensely chloritic/hematite altered granodiorite. Highly fractured with chlorite and quartz infill. Displays moderate quartz flooding, with rock textures partially destroyed.							
						DK	RD					
						DK	GN					
						LT	WH					
271.34	284.92	13.58	GRD	MG	Weakly potassic to trace to weak propylitic altered granodiorite. Joints and fractures display hematite and calcite infill. Interval has patches of moderate chloritization and slight hematization.							
									HEM	2I		
						LT	GN		PRO	2I		
						LT	PK		POT	2I		
									CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.92	366.86	81.94	GRD	MG	Large intervals of altered granodiorite alternating between three types of alteration. Moderate argillic/weak potassic with patches of trace propylitic overprinting occurs. This is followed by granodiorite ranging from trace to moderate propylitic/potassic alteration with strong competence. This interval contains a zone of chlorite/hematite altered granodiorite that has been silicified and quartz flooded, with a hematite/quartz/carbonate vein at the lower selvedge of the altered zone. The final style of alteration seen is a weak propylitic/potassic altered granodiorite with weak to moderate chlorite and/or hematite overprinting. This alteration has both chloritization and hematization along fractures and joints. Weak hemamtite infill along fractures and veins occurs in argillic/potassic/propylitic altered granodiorite. Aplite dyke also occurts within zone of argillic/potassic granodiorite. Moderate to strong silicificaton occurs throughout, with quartz veins and veinlets occuring sporadically in patches throughout.							
						LT	RD		ARG	2I		
						LT	GN	PA	PRO	2I		
									HEM	2I		
									HEM	3I		
									PRO	3I		
									SIL	3I		
									SIL	4I		
									SIL	2I		
									PRO	1I		
						LT	PK		POT	2I		
									CHL	2I		
									CHL	3I		
						MD	GN		ARG	3I		
									POT	1I		
366.86	370.26	3.40	QFP	--	Interval of quartz feldspar porphyry dyke alternating between brown, purple, and green altered quartz feldspar porphyry. Has Intertonguing as purple dyke transitions to green quartz feldspar porphyry. Range of clasts from aphanetic to pebble size. Quartz/carbonate veinlets and veins throughout.							
						LT	GN					
						LT	BR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PU					
370.36	376.04	5.68	QFP	--	Green quartz feldspar porphyry dyke. Range of clasts from aphanetic to pebble size. Quartz/carbonate veinlets and veins throughout.							
						LT	GN	PO				
376.04	380.54	4.50	GRD	MG	Large zone of recurring granodiorite alterations. 4 main types are seen. Moderately propylitic altered granodiorite with patches of chloritic/hematite overprinting occurr in patches with moderately argillic/propylitic altered granodiorite with weak chloritization and hematization. Patches of moderate to strongly gouge altered granodiorite. Quartz and chlorite veins to veinlets throughout.							
									CHL	3I		
									CHL	2I		
									POT	2I		
									PRO	2I		
						LT	PK		PRO	3I		
						MD	GN		ARG	3I		
						LT	GN	PA	ARG	2I	Py	0.1
									HEM	2I		
380.54	383.37	2.83	FLR	--	Interval of highly gouge altered phyllic/chloritic altered granodiorite. Highly gouge altered granodiorite is broken into two zones by an interval of trace gouge altered phyllic/chloritic granodiorite 52cm long. Zone has multiple quartz veins containing disseminated pyrite.							
						MD	GN	FR				
						LT	GN	RB				
						LT	WH					
383.37	464.64	81.27	GRD	--	Alternating zones of propylitic altered granodiorite with trace to weak chlorite/ hematite overprinting, phyllic altered granodiorite with weak chloritization and hematization, weak argillic/propylitic/potassic altered granodiorite, and moderate to strong argillic altered granodiorite with weak to moderate chlorite overprinting. Contains sporadic mineralized quartz veins throughout, as well as quartz/carbonate and chlorite veins to stringers. Interval is moderately silicified (no rock texture breakdown)							
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	4I		
									ARG	3I		
									SIL	3I		
									HEM	2I		
									PHC	3I		
									ARG	2I		
						LT	WH		CHL	3I		
						LT	RD		CHL	2I		
						MD	GN		PRO	3I	Cl	3
						LT	GN	PA	PRO	2I	Sp	1
									PHC	2I		
464.64	464.69	0.05	GRD	MG	Moderately gouge altered propylitic altered granodiorite. Lays at contact to purple quartz feldspar porphyry dyke.							
						LT	GN		PRO	2I		
						MD	GN		PRO	3I		
464.69	464.81	0.12	QFP	--	Purple quartz feldspar porphyry dyke. Displays weak gouge alteration along both selvedges of the dyke.							
						MD	PU	PO				
469.54	474.57	5.03	GRD	MG	Moderate to strongly propylitic altered granodiorite							
						LT	GN		PRO	3I		
						MD	GN		PRO	4I		
474.57	475.28	0.71	BXA	MG	propylitic altered granodiorite that has been brecciated by both brown silicic quartz feldspar porphyry dyke and smokey quartz hosting disseminated to semi massive pyrite and blebby magnetite. Clast size ranges from pebble to cobble size. Entire interval contains disseminated pyrite throughout.							
						LT	GN	PO	PRO	3I	Py	3
						MD	GN	PA				
						LT	OR					
						LT	BR					
						MD	GY					
475.28	483.00	7.72	QFP	FG	Silicic quartz feldspar porphyry with multiple phases of colours, including red, green, red/green, light brown, tan.							
						LT	GN					
						LT	RD					
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BR	PO				
483.00	484.51	1.51	BXA	MG	Strongly propylitic altered granodiorite that has undergone quartz flooding and brecciation. Breccia contains mottled zones of black sulfide (similar to 469m) with fine grained pyrite present within. Disseminated pyrite can be seen throughout the entire interval, and tan ankerite is seen along the upper selvedge in minor blebs along with minor zoned honey brown sphalerite.							
						MD	GN	BX	PRO	4I	Ak	0.1
						MD	BK	MO			Sp	0.1
						DK	GN	PO	PRO	3I	Py	5
484.51	509.10	24.59	QFP	MG	Quartz feldspar porphyry dyke. Ranges from red, purple light green, brown dyke with weak to strong silicification occuring in patches throughout. Interval contains sporadic quartz veinlets. With							
						LT	GN	PO				
						LT	BR					
						MD	PU					
509.10	550.75	41.65	GRD	MG	Altered granodiorite with multiple alteration types. Large intervals of moderate propylitic/weak potassic altered granodiorite with patches of trace propylitic/potassic altered granodiorite occur (very trace alteration). Weak to moderate chloritization with hematite overprinting occurs in patchy intervals throughout. Alteration contains sporadic patches of heavily quartz flooded granodiorite that displays unaltered granodiorite to weak phyllic/propylitic alteration. Quartz flooding completely replaces rock textures in patches along interval. Altered granodiorite is slightly to moderately silicified.							
						LT	PK		PRO	1I		
									HEM	2I		
									SIL	3I		
									CHL	2I		
									SIL	4I		
						LT	WH		POT	1I		
						LT	GN	PA	PRO	2I		
									HEM	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
550.75	558.69	7.94	QFP	--	Green/light red quartz feldspar porphyry dyke.							
						LT	RD					
						LT	GN	PO				
558.69	563.87	5.18	GRD	MG	Moderately argillic altered granodiorite with patchy weak to strong chloritic/hematized overprinting. Overprinted alterations get progressively stonger with depth until the end of the interval. Contains patches of weak to moderate propylitic/weak potassic altered granodiorite.							
									POT	2I		
						MD	GN		CHL	2I		
						DK	GN		CHL	3I		
						LT	RD		CHL	4I		
						MD	RD		HEM	2I		
						LT	PK		HEM	3I		
						MD	PK		HEM	4I		
									PRO	3I		
						LT	GN	PA	ARG	3I		
						DK	PK		PRO	2I		
563.87	564.05	0.18	GRD	MG	Strongly gouge altered weakly propylitic granodiorite.							
						LT	GN	RB				
564.05	567.26	3.21	GRD	MG	Weakly propylitic altered to moderately propylitic/weakly potassic altered granodiorite. Contains a phyllic/argillic halo carrying a milky quartz vein that displays weak mineralization.							
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0	0	0.00	0	--	--	--	
5.18	8.23	3.05	1.67	55	0.00	0	--	1H	5W	
8.23	11.28	3.05	2.8	92	0.00	0	--	1H	5W	
11.28	14.33	3.05	1.65	54	0.00	0	--	1H	5W	
14.33	17.37	3.04	1.4	46	0.00	0	--	1H	5W	
17.37	20.42	3.05	1.81	59	0.00	0	--	1H	5W	
20.42	23.47	3.05	2.24	73	0.00	0	--	1H	5W	
23.47	26.52	3.05	1.7	56	0.00	0	--	1H	5W	
26.52	29.57	3.05	1.26	41	0.46	15	--	1H	5W	
29.57	32.61	3.04	1.84	61	0.00	0	--	1H	5W	
32.61	35.66	3.05	1.84	60	0.00	0	--	1H	5W	
35.66	38.71	3.05	1.98	65	0.83	27	--	1H	5W	
38.71	41.76	3.05	1.68	55	0.97	32	--	3H	4W	Beginning of bedrock
41.76	44.81	3.05	3	98	0.87	29	--	3H	3W	
44.81	47.85	3.04	2.7	89	0.25	8	--	2H	3W	
47.85	50.90	3.05	2.84	93	0.52	17	--	2H	3W	
50.90	53.95	3.05	2.76	90	0.27	9	--	2H	3W	
53.95	57.00	3.05	2.95	97	0.19	6	--	2H	3W	
57.00	60.05	3.05	3.05	100	0.00	0	--	2H	3W	
60.05	63.09	3.04	3.04	100	0.18	6	--	2H	3W	
63.09	66.14	3.05	2.84	93	0.96	31	--	2H	3W	
66.14	69.19	3.05	3.02	99	1.32	43	--	2H	2W	
69.19	72.24	3.05	2.94	96	2.26	74	--	3H	2W	
72.24	75.29	3.05	3.05	100	2.21	72	--	2H	1W	
75.29	78.33	3.04	2.97	98	2.51	83	--	3H	1W	
78.33	81.38	3.05	3.05	100	0.76	25	--	1H	1W	
81.38	84.43	3.05	3.05	100	1.53	50	--	2H	1W	
84.43	87.48	3.05	2.7	89	0.44	14	--	1H	1W	
87.48	90.53	3.05	2.8	92	0.85	28	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.47	81	0.47	15	--	1H	1W	
93.57	96.62	3.05	2.97	97	0.26	9	--	1H	1W	
96.62	99.67	3.05	2.48	81	0.51	17	--	1H	1W	
99.67	102.72	3.05	2.31	76	0.00	0	--	1H	1W	
102.72	105.77	3.05	2.81	92	0.00	0	--	1H	1W	
105.77	108.81	3.04	2.74	90	0.00	0	--	1H	1W	
108.81	111.86	3.05	3	98	0.14	5	--	1H	1W	
111.86	114.91	3.05	2.76	90	1.15	38	--	1H	1W	
114.91	117.96	3.05	3.05	100	1.57	51	--	3H	1W	
117.96	121.00	3.04	2.89	95	0.61	20	--	2H	1W	
121.00	124.05	3.05	1.73	57	1.60	52	--	3H	1W	
124.05	127.10	3.05	2.63	86	1.31	43	--	3H	1W	
127.10	130.15	3.05	2.53	83	1.13	37	--	3H	1W	
130.15	133.20	3.05	2.72	89	1.60	52	--	3H	1W	
133.20	136.25	3.05	2.32	76	0.33	11	--	3H	1W	
136.25	139.29	3.04	3.04	100	0.29	10	--	1H	1W	
139.29	142.34	3.05	3.04	100	0.98	32	--	2H	1W	
142.34	145.39	3.05	3.02	99	0.72	24	--	1H	1W	
145.39	148.44	3.05	2.96	97	0.40	13	--	1H	1W	to Frac. To tell joint sets
148.44	151.49	3.05	2.81	92	0.80	26	--	1H	1W	
151.49	154.53	3.04	3.04	100	1.66	55	--	1H	1W	
154.53	157.58	3.05	3.02	99	0.74	24	--	1H	1W	to fractured to tell
157.58	160.63	3.05	2.82	92	2.00	66	--	1H	1W	
160.63	163.68	3.05	3.02	99	0.62	20	--	1H	1W	to fractured to tell joint sets
163.68	166.73	3.05	2.66	87	1.34	44	--	2H	1W	
166.73	169.77	3.04	2.9	95	1.60	53	--	1H	1W	
169.77	172.82	3.05	2.94	96	1.01	33	--	1H	1W	
172.82	175.87	3.05	2.9	95	1.85	61	--	3H	1W	
175.87	178.92	3.05	2.84	93	0.57	19	--	1H	1W	
178.92	181.97	3.05	2.91	95	0.61	20	--	1H	1W	to fractured to tell joint sets
181.97	185.01	3.04	2.8	92	0.55	18	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3	98	0.98	32	--	3H	1W	to fractured to tell joint sets
188.06	191.11	3.05	2.95	97	2.21	72	--	2H	1W	
191.11	194.16	3.05	2.95	97	0.57	19	--	2H	1W	to fractured to tell joint sets
194.16	197.21	3.05	2.97	97	1.11	36	--	1H	1W	to fractured to tell joint sets
197.21	200.25	3.04	3.02	99	0.49	16	--	1H	1W	to fractured to tell all joint sets
200.25	203.30	3.05	2.82	92	1.31	43	--	3H	1W	
203.30	206.35	3.05	2.85	93	2.09	69	--	3H	1W	
206.35	209.40	3.05	2.94	96	1.54	50	--	2H	1W	
209.40	212.45	3.05	2.55	84	1.17	38	--	3H	1W	
212.45	215.49	3.04	2.84	93	1.40	46	--	3H	1W	
215.49	218.54	3.05	3.01	99	1.72	56	--	3H	1W	
218.54	221.59	3.05	2.58	85	0.96	31	--	3H	1W	
221.59	224.64	3.05	2.74	90	1.99	65	--	3H	1W	
224.64	227.69	3.05	2.89	95	2.46	81	--	3H	1W	Crumbles when hit
227.69	230.73	3.04	2.95	97	2.39	79	--	2H	1W	
230.73	233.78	3.05	2.96	97	1.65	54	--	1H	1W	
233.78	236.83	3.05	3.05	100	2.54	83	--	3H	1W	
236.83	239.88	3.05	2.93	96	2.17	71	--	2H	1W	
239.88	242.93	3.05	2.86	94	1.38	45	--	2H	1W	
242.93	245.97	3.04	2.74	90	1.78	59	--	3H	1W	
245.97	249.02	3.05	2.99	98	1.86	61	--	3H	1W	
249.02	252.07	3.05	2.32	76	1.25	41	--	3H	1W	
252.07	255.12	3.05	2.97	97	1.06	35	--	3H	1W	
255.12	258.17	3.05	2.93	96	1.28	42	--	4H	1W	
258.17	261.21	3.04	2.62	86	1.00	33	--	2H	1W	
261.21	264.26	3.05	2.06	68	0.15	5	--	2H	1W	
264.26	267.31	3.05	2.39	78	0.20	7	--	2H	1W	Extremely fractured
267.31	270.36	3.05	2.78	91	0.72	24	--	3H	1W	
270.36	273.41	3.05	2.38	78	0.63	21	--	4H	1W	
273.41	276.45	3.04	3	99	1.71	56	--	4H	1W	
276.45	279.50	3.05	2.76	90	2.03	67	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	2.85	93	0.71	23	--	4H	1W	
282.55	285.60	3.05	2.77	91	0.98	32	--	3H	1W	
285.60	288.65	3.05	2.97	97	1.98	65	--	3H	1W	
288.65	291.69	3.04	2.97	98	2.63	87	--	4H	1W	
291.69	294.74	3.05	2.46	81	1.21	40	--	2H	1W	
294.74	297.79	3.05	3.03	99	1.42	47	--	3H	1W	
297.79	300.84	3.05	3.03	99	2.23	73	--	5H	1W	
300.84	303.89	3.05	2.9	95	2.18	71	--	5H	1W	
303.89	306.93	3.04	3	99	1.58	52	--	4H	1W	
306.93	309.98	3.05	3	98	1.58	52	--	5H	1W	
309.98	313.03	3.05	2.97	97	1.43	47	--	3H	1W	
313.03	316.08	3.05	2.99	98	1.16	38	--	3H	1W	
316.08	319.13	3.05	2.95	97	2.05	67	--	3H	1W	
319.13	322.17	3.04	2.74	90	0.62	20	--	3H	1W	
322.17	325.22	3.05	2.85	93	1.33	44	--	3H	1W	
325.22	328.27	3.05	2.78	91	1.45	48	--	3H	1W	
328.27	331.32	3.05	2.76	90	1.87	61	--	3H	1W	
331.32	334.37	3.05	3	98	2.30	75	--	3H	1W	
334.37	337.41	3.04	2.99	98	2.40	79	--	3H	1W	
337.41	340.46	3.05	2.77	91	2.16	71	--	3H	1W	
340.46	343.51	3.05	2.7	89	1.72	56	--	3H	1W	
343.51	346.56	3.05	2.43	80	1.28	42	--	3H	1W	
346.56	349.61	3.05	2.65	87	1.06	35	--	3H	1W	
349.61	352.65	3.04	2.82	93	1.65	54	--	3H	1W	
352.65	355.70	3.05	2.65	87	1.78	58	--	3H	1W	
355.70	358.75	3.05	2.89	95	1.42	47	--	3H	1W	
358.75	361.80	3.05	3	98	2.45	80	--	4H	1W	
361.80	364.85	3.05	3.05	100	2.39	78	--	3H	1W	
364.85	367.89	3.04	3.03	100	2.01	66	--	3H	1W	
367.89	370.94	3.05	2.87	94	1.57	51	--	3H	1W	
370.94	373.99	3.05	2.95	97	2.10	69	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	2.88	94	2.37	78	--	2H	1W	
377.04	380.09	3.05	3.02	99	1.03	34	--	3H	1W	
380.09	383.13	3.04	2.81	92	0.60	20	--	2H	1W	
383.13	386.18	3.05	2.41	79	1.40	46	--	2H	1W	
386.18	389.23	3.05	2.42	79	2.13	70	--	3H	1W	
389.23	392.28	3.05	2.95	97	1.97	65	--	3H	1W	
392.28	395.33	3.05	3.05	100	2.24	73	--	2H	1W	
395.33	398.37	3.04	2.92	96	2.54	84	--	3H	1W	
398.37	401.42	3.05	2.85	93	2.04	67	--	2H	1W	
401.42	404.47	3.05	3.04	100	2.00	66	--	2H	1W	
404.47	407.52	3.05	3.05	100	2.30	75	--	3H	1W	
407.52	410.57	3.05	2.93	96	1.55	51	--	3H	1W	
410.57	413.61	3.04	2.93	96	2.37	78	--	3H	1W	
413.61	416.66	3.05	3.05	100	2.95	97	--	3H	1W	
416.66	419.71	3.05	2.97	97	2.68	88	--	3H	1W	
419.71	422.76	3.05	3.05	100	2.67	88	--	3H	1W	
422.76	425.81	3.05	3.05	100	2.39	78	--	2H	1W	
425.81	428.85	3.04	2.89	95	1.16	38	--	3H	1W	
428.85	431.90	3.05	3.05	100	1.73	57	--	4H	1W	
431.90	434.95	3.05	3.05	100	0.98	32	--	3H	1W	
434.95	438.00	3.05	3.05	100	2.12	70	--	3H	1W	
438.00	441.05	3.05	2.99	98	2.03	67	--	3H	1W	
441.05	444.09	3.04	2.83	93	1.56	51	--	3H	1W	
444.09	447.14	3.05	2.87	94	1.51	50	--	3H	1W	
447.14	450.19	3.05	2.72	89	2.00	66	--	3H	1W	
450.19	453.24	3.05	3	98	2.11	69	--	3H	1W	
453.24	456.29	3.05	2.93	96	2.30	75	--	1H	1W	
456.29	459.33	3.04	2.73	90	1.38	45	--	5H	1W	
459.33	462.38	3.05	2.81	92	1.24	41	--	2H	1W	
462.38	465.43	3.05	3.05	100	2.22	73	--	2H	1W	
465.43	468.48	3.05	2.96	97	0.78	26	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
468.48	471.53	3.05	3	98	1.34	44	--	4H	1W	
471.53	474.57	3.04	3.02	99	2.25	74	--	3H	1W	
474.57	477.62	3.05	3	98	2.32	76	--	2H	1W	
477.62	480.67	3.05	2.72	89	1.06	35	--	2H	1W	
480.67	483.72	3.05	2.75	90	1.75	57	--	2H	1W	
483.72	486.77	3.05	2.66	87	1.60	52	--	3H	1W	
486.77	489.81	3.04	2.91	96	1.61	53	--	3H	1W	
489.81	492.86	3.05	3.05	100	1.70	56	--	3H	1W	
492.86	495.91	3.05	3.01	99	1.20	39	--	1H	1W	
495.91	498.96	3.05	3	98	1.55	51	--	2H	1W	
498.96	502.01	3.05	3.05	100	1.96	64	--	2H	1W	
502.01	505.05	3.04	3.03	100	1.89	62	--	2H	1W	
505.05	508.10	3.05	2.91	95	0.81	27	--	2H	1W	
508.10	511.15	3.05	2.92	96	2.39	78	--	1H	1W	
511.15	514.20	3.05	2.97	97	2.01	66	--	3H	1W	
514.20	517.25	3.05	2.85	93	1.74	57	--	3H	1W	
517.25	520.29	3.04	2.92	96	1.89	62	--	3H	1W	
520.29	523.34	3.05	3.05	100	2.10	69	--	3H	1W	
523.34	526.39	3.05	2.8	92	0.90	30	--	2H	1W	
526.39	529.44	3.05	2.94	96	2.36	77	--	2H	1W	
529.44	532.49	3.05	3	98	2.60	85	--	3H	1W	
532.49	535.53	3.04	2.82	93	1.91	63	--	1H	1W	
535.53	538.58	3.05	2.88	94	0.98	32	--	1H	1W	
538.58	541.63	3.05	3.02	99	1.54	50	--	2H	1W	
541.63	544.68	3.05	2.98	98	1.90	62	--	3H	1W	
544.68	547.73	3.05	2.86	94	1.25	41	--	3H	1W	
547.73	550.77	3.04	2.7	89	0.91	30	--	2H	1W	
550.77	553.82	3.05	2.85	93	1.88	62	--	1H	1W	
553.82	556.87	3.05	3.03	99	2.56	84	--	3H	1W	
556.87	559.92	3.05	3	98	1.17	38	--	3H	1W	
559.92	562.97	3.05	2.83	93	0.48	16	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
562.97	567.26	4.29	2.95	69	2.22	52	--	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	OVB	
1	0	OVB	
2	0	OVB	
3	0	OVB	
4	0	OVB	
5	0	OVB	
6	0	OVB	
7	0	GRD	
8	0	GRD	
9	0	GRD	
10	0	GRD	
11	0	GRD	
12	0	GRD	
13	4.19	GRD	
14	0	GRD	
15	11.8	GRD	
16	0	GRD	
17	0	GRD	
18	0	GRD	
19	0	GRD	
20	0.168	GRD	
21	0.203	GRD	
22	0	GRD	
23	0	GRD	
24	0	GRD	
25	0	GRD	
26	0	GRD	
27	0	GRD	
28	0	GRD	
29	0.225	GRD	
30	0	GRD	
31	0	GRD	
32	0.698	GRD	
33	0	GRD	
34	0	GRD	
35	11.1	GRD	
36	0	GRD	
37	0	GRD	
38	0.194	GRD	
39	0.189	GRD	
40	0.502	GRD	
41	4.72	GRD	
42	0.437	GRD	
43	0.251	GRD	
44	0.31	GRD	
45	0.972	GRD	
46	0.328	GRD	
47	0.968	GRD	
48	0.201	GRD	
49	0	GRD	no piece large enough to mag.
50	11.5	GRD	
51	9.46	GRD	
52	14	GRD	
53	0	GRD	no piece large enough to mag.
54	0.364	GRD	
55	0	GRD	no piece large enough to mag.

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
56	0	GRD	no piece large enough to mag.
57	0.576	GRD	
58	0.442	GRD	
59	2.91	GRD	
60	1	GRD	
61	0	GRD	no sample - fractured
62	0	GRD	no sample - fractured
63	0	FLR	no sample - fractured
64	0.353	GRD	
65	0.541	GRD	
66	0.273	GRD	
67	0	GRD	no sample - fractured
68	0.199	GRD	
69	0.34	GRD	
70	0.626	GRD	
71	0.324	GRD	
72	0.41	QFP	
73	0.332	GRD	
74	0.405	GRD	
75	0.358	GRD	
76	0.367	GRD	
77	0.515	GRD	
78	0.368	GRD	
79	0.314	GRD	
80	0	FLR	no sample - fault]
81	0.505	FLR	
82	0.376	GRD	
83	0.328	GRD	
84	0.466	GRD	
85	0.439	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
86	0.333	GRD	
87	0.315	GRD	
88	0.312	GRD	
89	0.312	FLR	
90	0.333	GRD	
91	0.311	GRD	
92	0.3	GRD	
93	0.308	GRD	
94	0.333	GRD	
95	1.38	GRD	
96	0.947	GRD	
97	1.06	GRD	
98	0.675	FLR	
98	0.675	GRD	
99	0.423	FLR	
100	0.326	FLR	
101	0.335	FLR	
102	0.259	FLR	
103	0.254	FLR	
104	0.185	FLR	
105	0.187	GRD	
106	0.237	GRD	
107	0	GRD	no sample. Frac.
108	0	GRD	no sample. Frac.
109	0	GRD	no sample. Frac.
110	0.359	FLR	
111	2.19	GRD	
112	0.799	GRD	
113	0.237	GRD	
114	0.298	GRD	
115	0.526	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
116	1.25	GRD	
117	1.72	GRD	
118	0.255	GRD	
119	2.08	GRD	
120	2.03	GRD	
121	0.89	GRD	
122	0	GRD	no sample. Frac.
123	0.782	GRD	
124	0.91	GRD	
125	2.2	GRD	
126	7.78	GRD	
127	0.871	GRD	
128	1.94	GRD	
129	1.96	GRD	
130	9.86	GRD	
131	2.94	GRD	
132	14.8	GRD	
133	19.1	GRD	
134	6.4	GRD	
135	20.2	GRD	
136	2.76	GRD	
137	1.62	GRD	
138	2.33	GRD	
139	0.486	GRD	
140	0.762	GRD	
141	2.08	GRD	
142	2.65	GRD	
143	0.428	GRD	
144	1.5	GRD	
145	0.991	GRD	
146	0.376	GRD	
147	0.267	GRD	
148	0.276	FLR	
149	0.349	GRD	
150	0.315	GRD	
151	0.371	GRD	
152	0.309	GRD	
153	0.981	GRD	
154	0.297	GRD	
155	0.458	GRD	
156	0.464	GRD	
157	6.31	GRD	
158	0.884	GRD	
159	10.7	GRD	
160	2.73	GRD	
161	0.686	GRD	
162	0.531	GRD	
163	0.878	GRD	
164	0	GRD	to fractured to mag.
165	0.247	GRD	
166	0.315	GRD	
167	0.52	GRD	
168	0.746	GRD	
169	0.39	GRD	
170	0.868	GRD	
171	0.451	GRD	
172	0.376	GRD	
173	0.386	GRD	
174	0.578	GRD	
175	0.49	GRD	
176	0.304	GRD	
177	0.293	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
178	0.353	GRD	
179	0.159	GRD	
180	8.244	GRD	
181	8.511	GRD	
182	0	GRD	to fractured to mag.
183	13.56	GRD	
184	7.627	GRD	
185	0	GRD	to fractured to mag.
186	0.555	GRD	
187	0.501	GRD	
188	21.93	GRD	
189	24.7	GRD	
190	20.54	GRD	
191	0.296	GRD	
192	11.05	GRD	
192	11.05	GRD	
193	14.99	GRD	
194	8.343	GRD	
195	0.536	GRD	
196	2	GRD	
197	2.805	GRD	
198	14.28	GRD	
199	0.622	GRD	
200	0.352	GRD	
201	0.277	GRD	
202	0.319	GRD	
203	0.358	GRD	
204	0.394	GRD	
205	0.289	GRD	
206	0.237	GRD	
207	0.203	GRD	
208	0.38	GRD	
209	0	GRD	to fractured to mag.
210	0.658	GRD	
211	0.312	GRD	
212	0.29	GRD	
213	0.39	GRD	
214	0.424	GRD	
215	1.71	GRD	
216	0.325	GRD	
217	0.287	GRD	
218	0.299	GRD	
219	0.414	GRD	
220	0.245	GRD	
221	0.272	GRD	
222	0.305	GRD	
223	0.263	GRD	
224	0.303	GRD	
225	0.31	GRD	
226	0.247	GRD	
227	0.378	GRD	
228	0.37	GRD	
229	0.335	GRD	
230	0.261	GRD	
231	0.236	GRD	
232	0.972	GRD	
233	0.26	GRD	
234	1.494	GRD	
235	0.453	GRD	
236	0.376	GRD	
237	0.356	GRD	
238	0.349	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
239	0.288	GRD	
240	0.539	GRD	
241	0.625	GRD	
242	0.272	GRD	
243	0.289	GRD	
244	0.27	GRD	
245	0.643	GRD	
246	0.358	GRD	
247	0.794	GRD	
248	2.49	GRD	
249	0.261	GRD	
250	5.48	GRD	
251	0.215	GRD	
252	0.488	GRD	
253	0.383	GRD	
254	0.591	GRD	
255	0.229	GRD	
256	0.933	GRD	
257	10.3	GRD	
258	0.257	GRD	
259	0.241	GRD	
260	0.262	GRD	
261	0.684	GRD	
262	0.329	POR	
263	0.31	POR	
264	3.23	GRD	
265	1.83	GRD	
266	1.13	GRD	
267	1.7	GRD	
267	1.7	GRD	
268	0.388	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
269	0.282	GRD	
270	2.58	GRD	
271	0.245	GRD	
272	18.9	GRD	
273	10.3	GRD	
274	10.5	GRD	
275	11.2	GRD	
276	8.39	GRD	
277	15.2	GRD	
278	16.9	GRD	
279	15.6	GRD	
280	16.2	GRD	
281	3.52	GRD	
282	2.22	GRD	
283	2.62	GRD	
284	5.36	GRD	
285	9.73	GRD	
286	16.4	GRD	
287	19.5	GRD	
288	6.64	GRD	
289	16	GRD	
290	16.3	GRD	
291	17.9	GRD	
292	15	GRD	
293	0.032	GRD	
294	0.213	GRD	
295	17.8	GRD	
296	14.6	GRD	
297	24	GRD	
298	9.52	GRD	
299	0.743	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
300	0.42	GRD	
301	0.538	GRD	
302	0.374	GRD	
303	0.424	GRD	
304	13.5	GRD	
305	6.87	GRD	
306	10.7	GRD	
307	15.7	GRD	
308	0.349	GRD	
309	4.81	GRD	
310	1.335	GRD	
311	1.37	GRD	
312	0.364	GRD	
313	0.4	GRD	
314	0.253	GRD	
315	0.317	GRD	
316	0.336	GRD	
317	0.443	GRD	
318	0.383	GRD	
319	1.74	GRD	
320	0.382	GRD	
321	0.32	GRD	
322	0.313	GRD	
323	0.321	GRD	
324	0.323	GRD	
325	0.344	GRD	
326	0.532	GRD	
327	0.713	GRD	
328	0.218	GRD	
329	0.313	GRD	
330	6.66	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
331	11	GRD	
332	0.375	GRD	
333	9.93	GRD	
334	0.503	GRD	
335	0.455	GRD	
336	2.13	GRD	
337	0.432	GRD	
338	4.22	GRD	
339	2.32	GRD	
340	0.449	GRD	
341	0.281	GRD	
342	0.386	GRD	
343	0.235	GRD	
344	0.289	GRD	
345	0.163	GRD	
346	0.367	GRD	
347	0.328	GRD	
348	0.244	GRD	
349	0.359	GRD	
350	0.252	GRD	
351	0.273	GRD	
352	0.236	GRD	
353	0.632	GRD	
354	0.215	GRD	
355	0.454	GRD	
356	0.363	GRD	
357	0.215	GRD	
358	0.254	GRD	
359	0.65	GRD	
360	0.275	GRD	
361	0.528	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
362	0.357	GRD	
363	0.524	GRD	
364	0.237	GRD	
365	0.267	GRD	
366	3.5	GRD	
367	0.172	QFP	
368	0.235	QFP	
369	0.223	QFP	
370	0.297	QFP	
371	0.215	QFP	
372	0.28	QFP	
373	0.255	QFP	
374	0.171	QFP	
375	0.346	QFP	
376	0.402	QFP	
377	0.365	GRD	
378	0.361	GRD	
379	0.872	GRD	
380	0.611	GRD	
381	0.845	FLR	
382	0.536	FLR	
383	0.357	FLR	
384	0.539	GRD	
385	0.384	GRD	
386	10.7	GRD	
387	0.363	GRD	
388	0.378	GRD	
389	0.349	GRD	
390	0.305	GRD	
391	1.68	GRD	
392	1.35	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
393	5.17	GRD	
394	0.267	GRD	
395	8.56	GRD	
396	14.5	GRD	
397	0.32	GRD	
398	0.393	GRD	
399	0.365	GRD	
400	0.35	GRD	
401	0.533	GRD	
402	0.517	GRD	
403	0.319	GRD	
404	7.25	GRD	
405	4.82	GRD	
406	0.413	GRD	
407	0.367	GRD	
408	3.81	GRD	
409	4.16	GRD	
410	0.967	GRD	
411	0.244	GRD	
412	0.296	GRD	
413	1.46	GRD	
414	19.5	GRD	
415	9.36	GRD	
416	8.57	GRD	
417	6.63	GRD	
418	5.09	GRD	
419	8.67	GRD	
420	13.8	GRD	
421	0.874	GRD	
422	0.309	GRD	
423	0.347	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
424	0.565	GRD	
425	1.23	GRD	
426	0.647	GRD	
427	0.698	GRD	
428	0.693	GRD	
429	5.84	GRD	
430	16	GRD	
431	1.4	GRD	
432	1.62	GRD	
433	15.4	GRD	
434	0.624	GRD	
435	0.466	GRD	
436	8.85	GRD	
437	2.46	GRD	
438	0.534	GRD	
439	0.456	GRD	
440	16.6	GRD	
441	0.759	GRD	
442	0.549	GRD	
443	7.01	GRD	
444	11.4	GRD	
445	6.98	GRD	
446	0.504	GRD	
447	1.56	GRD	
448	0.805	GRD	
449	2.82	GRD	
450	4.42	GRD	
451	3.94	GRD	
452	2.21	GRD	
453	0.362	GRD	
454	0.299	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
455	0.131	GRD	
456	0.252	GRD	
457	0.659	GRD	
458	1.77	GRD	
459	12.7	GRD	
460	3.27	GRD	
461	9.05	GRD	
462	0.467	GRD	
463	0.29	GRD	
464	0.657	GRD	
465	0.292	GRD	
466	0.25	GRD	
467	0.318	GRD	
468	0.151	GRD	
469	0.51	QFP	
470	0.347	GRD	
471	0.237	GRD	
472	0.327	GRD	
473	0.347	GRD	
474	0.351	GRD	
475	1.06	BXA	
476	0.201	QFP	
477	0.113	QFP	
478	0.107	QFP	
479	0.1	QFP	
480	0.115	QFP	
481	0.106	QFP	
482	0.067	QFP	
483	0.148	BXA	
483	0.148	QFP	
484	0.518	BXA	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
485	0.237	QFP	
486	0.222	QFP	
487	0.133	QFP	
488	0.133	QFP	
489	0.214	QFP	
490	0.194	QFP	
491	0.228	QFP	
492	0.285	QFP	
493	0.281	QFP	
494	0.102	QFP	
495	0.04	QFP	
496	0.048	QFP	
497	0.053	QFP	
498	0.039	QFP	
499	0.132	QFP	
500	0.044	QFP	
501	0.088	QFP	
502	0.061	QFP	
503	0.045	QFP	
504	0.057	QFP	
505	0.109	QFP	
506	0.05	QFP	
507	0.05	QFP	
508	0.071	QFP	
509	0.398	QFP	
510	2.7	GRD	
511	1.55	GRD	
512	4.85	GRD	
513	1.6	GRD	
514	0	GRD	to fractured to mag
515	10.8	GRD	
516	14.2	GRD	
517	10	GRD	
518	14.8	GRD	
519	14.5	GRD	
520	11.3	GRD	
521	2.36	GRD	
522	0.413	GRD	
523	0.469	GRD	
524	0.514	GRD	
525	0.354	GRD	
526	0.285	GRD	
527	0.194	GRD	
528	7.5	GRD	
529	0.198	GRD	
530	0.41	GRD	
531	0.582	GRD	
532	0.453	GRD	
533	0.426	GRD	
534	0.442	GRD	
535	0.408	GRD	
536	0	GRD	to fractured to mag
537	12.8	GRD	
538	0.425	GRD	
539	0.479	GRD	
540	0	GRD	to fractured to mag
541	0.702	GRD	
542	3.64	GRD	
543	0.275	GRD	
544	0.762	GRD	
545	0.279	GRD	
546	2.77	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
547	0.142	GRD	
548	0.484	GRD	
549	0.26	GRD	
550	0.243	GRD	
551	0.271	QFP	
552	0.235	QFP	
553	0.225	QFP	
554	0.225	QFP	
555	0.248	QFP	
556	0.233	QFP	
557	0.254	QFP	
558	1.85	QFP	
559	0.314	GRD	
560	0.391	GRD	
561	0.252	GRD	
562	0.243	GRD	
563	0.334	GRD	
564	0.457	GRD	
565	2.38	GRD	
566	1	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292714	☐	16-003		ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290431	☐	16-004		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290443	☐	16-014			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290456	☐	16-014		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290464	☐	16-014		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290468	☐	16-014			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290482	☐	16-021		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290487	☐	16-021			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290499	☐	16-021			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290423	☐	16-004			☑	☐	☐
162.82	163.29	0.47	GRD	0.47	100	K290422	☐	16-004			☐	☐	☐
163.29	164.17	0.88	GRD	0.84	95	K290424	☐	16-004			☐	☐	☐
164.17	164.71	0.54	GRD	0.54	100	k290425	☐	16-004			☐	☐	☐
164.17	164.71	0.54	GRD	0.54	100	k290426	☐	16-004			☐	☑	☐
164.71	165.27	0.56	GRD	0.56	100	k292713	☐	16-003			☐	☐	☐
165.27	165.90	0.63	GRD, GRD	0.61	97	k290427	☐	16-004			☐	☐	☐
165.90	166.50	0.60	GRD	0.57	95	k290428	☐	16-004			☐	☐	☐
166.50	167.41	0.91	GRD	0.91	100	k290429	☐	16-004			☐	☐	☐
204.00	204.51	0.51	GRD	0.51	100	k290430	☐	16-004			☐	☐	☐
204.51	205.00	0.49	GRD	0.49	100	k290432	☐	16-004			☐	☐	☐
205.00	205.52	0.52	GRD	0.52	100	k290433	☐	16-004			☐	☐	☐
205.52	206.12	0.60	GRD	0.60	100	k290434	☐	16-004			☐	☐	☐
206.12	206.63	0.51	GRD	0.51	100	k290435	☐	16-004			☐	☐	☐
206.63	207.15	0.52	GRD	0.52	100	k290436	☐	16-004			☐	☐	☐
207.15	207.70	0.55	GRD	0.55	100	k290437	☐	16-014			☐	☐	☐
215.78	216.16	0.38	GRD	0.38	100	k290438	☐	16-014			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
216.16	216.62	0.46	GRD	0.46	100	k290439	☐	16-014			☐	☐	☐
216.62	219.15	2.53	GRD	2.53	100	k290440	☐	16-014			☐	☐	☐
219.15	221.79	2.64	GRD	2.60	98	k290441	☐	16-014			☐	☐	☐
221.79	222.29	0.50	GRD, GRD	0.50	100	k290442	☐	16-014			☐	☐	☐
222.29	222.88	0.59	GRD	0.59	100	k290444	☐	16-014			☐	☐	☐
222.88	223.51	0.63	GRD	0.63	100	k290445	☐	16-014			☐	☐	☐
222.88	223.51	0.63	GRD	0.63	100	k290446	☐	16-014			☐	☐	☑
223.51	224.18	0.67	GRD	0.66	99	k290447	☐	16-014			☐	☐	☐
224.18	224.77	0.59	GRD	0.56	95	k290448	☐	16-014			☐	☐	☐
224.77	225.27	0.50	GRD	0.50	100	k290449	☐	16-014			☐	☐	☐
368.83	369.36	0.53	QFP	0.53	100	k290450	☐	16-014			☐	☐	☐
369.36	369.90	0.54	QFP	0.54	100	k290451	☐	16-014			☐	☐	☐
369.90	370.45	0.55	QFP	0.55	100	k290452	☐	16-014			☐	☐	☐
370.45	370.95	0.50	QFP	0.40	80	k290453	☐	16-014			☐	☐	☐
370.95	371.56	0.61	QFP	0.61	100	k290454	☐	16-014			☐	☐	☐
371.56	373.84	2.28	QFP	2.26	99	k290455	☐	16-014			☐	☐	☐
373.84	374.24	0.40	QFP	0.40	100	k290457	☐	16-014			☐	☐	☐
374.24	375.81	1.57	QFP	1.55	99	k290458	☐	16-014			☐	☐	☐
375.81	376.14	0.33	QFP	0.33	100	k290459	☐	16-014			☐	☐	☐
376.14	376.59	0.45	GRD	0.45	100	k290460	☐	16-014			☐	☐	☐
376.14	376.59	0.45	GRD	0.45	100	k290461	☐	16-014			☐	☑	☐
376.59	377.19	0.60	GRD	0.60	100	k290462	☐	16-014			☐	☐	☐
466.08	468.68	2.60	GRD	0.60	23	k290463	☐	16-014			☐	☐	☐
468.68	469.13	0.45	QFP	0.45	100	k290465	☐	16-014			☐	☐	☐
469.13	469.55	0.42	QFP	0.42	100	k290466	☐	16-014			☐	☐	☐
469.55	469.99	0.44	GRD	0.44	100	K292730	☐	16-020	HG		☐	☐	☐
469.99	470.49	0.50	GRD	0.30	60	k290467	☐	16-014			☐	☐	☐
470.49	470.89	0.40	GRD	0.40	100	k290469	☐	16-014			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
470.89	471.53	0.64	GRD	0.64	100	k290470	☐	16-014			☐	☐	☐
471.53	473.13	1.60	GRD	1.60	100	k290471	☐	16-014			☐	☐	☐
473.13	473.55	0.42	GRD	0.42	100	k290472	☐	16-014			☐	☐	☐
473.55	474.06	0.51	GRD	0.50	98	k290473	☐	16-021			☐	☐	☐
474.06	474.50	0.44	GRD	0.44	100	k290474	☐	16-021			☐	☐	☐
474.50	474.89	0.39	GRD	0.38	97	k290475	☐	16-021			☐	☐	☐
474.50	474.89	0.39	GRD	0.38	97	k290476	☐	16-021			☐	☑	☐
474.89	475.29	0.40	BXA	0.40	100	k290477	☐	16-021			☐	☐	☐
475.29	475.86	0.57	QFP	0.50	88	k290478	☐	16-021			☐	☐	☐
475.86	476.46	0.60	QFP	0.60	100	k290479	☐	16-021			☐	☐	☐
476.46	476.95	0.49	QFP	0.49	100	k290480	☐	16-021			☐	☐	☐
482.07	482.65	0.58	QFP	0.55	95	k290481	☐	16-021			☐	☐	☐
482.65	483.21	0.56	QFP	0.54	96	k290483	☐	16-021			☐	☐	☐
483.21	483.77	0.56	BXA	0.51	91	k290484	☐	16-021			☐	☐	☐
483.77	484.46	0.69	BXA	0.69	100	k290485	☐	16-021			☐	☐	☐
484.46	484.89	0.43	BXA	0.41	95	k290486	☐	16-021			☐	☐	☐
484.89	485.66	0.77	QFP	0.50	65	k290488	☐	16-021			☐	☐	☐
485.66	486.21	0.55	QFP	0.50	91	k290489	☐	16-021			☐	☐	☐
486.21	487.10	0.89	QFP	0.84	94	k290490	☐	16-021			☐	☐	☐
561.07	561.49	0.42	GRD	0.42	100	K290491	☐	16-021			☐	☐	☐
561.49	562.23	0.74	GRD	0.68	92	K290492	☐	16-021			☐	☐	☐
561.49	562.23	0.74	GRD	0.68	92	K290493	☐	16-021			☐	☐	☑
562.23	563.10	0.87	GRD	0.87	100	K290494	☐	16-021			☐	☐	☐
563.10	563.79	0.69	GRD	0.69	100	K290495	☐	16-021			☐	☐	☐
563.79	564.42	0.63	GRD	0.57	90	K290496	☐	16-021			☐	☐	☐
564.42	564.79	0.37	GRD	0.37	100	K292737	☐	16-020	HG		☐	☐	☐
564.79	565.34	0.55	GRD	0.50	91	K290497	☐	16-021			☐	☐	☐
565.34	565.85	0.51	GRD	0.51	100	K290498	☐	16-021			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
565.85	566.36	0.51	GRD	0.51	100	K290500	☐	16-021			☐	☐	☐
566.36	567.26	0.90	GRD	0.90	100	K290501	☐	16-021			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	######			☐	☐	☐	☐	
16-003	K292714	0.00	0.00	14.00	330	☐	☐	☐	☑ ME-1402	
16-004	K290423	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-004	K290431	0.00	0.00	0.84	280	☐	☐	☐	☑ KL-STD5	
16-014	K290443	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-014	K290456	0.00	0.00	0.39	370	☐	☐	☐	☑ KL-STD4	
16-014	K290464	0.00	0.00	0.90	250	☐	☐	☐	☑ KL-STD5	
16-014	K290468	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-021	K290482	0.00	0.00	0.36	850	☐	☐	☐	☑ KL-STD4	
16-021	K290487	0.00	0.00	0.01	40	☐	☐	☑	☐	
16-021	K290499	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-004	K290422	162.82	163.29	0.00	4870	☐	☐	☐	☐	
16-004	K290424	163.29	164.17	0.00	1560	☐	☐	☐	☐	
16-004	K290425	164.17	164.71	0.00	690	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-004	K290426	164.17	164.71	0.01	720	☑	☐	☐	☐	
16-003	K292713	164.71	165.27	0.42	410	☐	☐	☐	☐	
16-004	K290427	165.27	165.90	0.02	710	☐	☐	☐	☐	
16-004	K290428	165.90	166.50	0.00	1250	☐	☐	☐	☐	
16-004	K290429	166.50	167.41	0.00	1460	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-004	K290430	204.00	204.51	0.00	1360	☐	☐	☐	☐	
16-004	K290432	204.51	205.00	0.00	900	☐	☐	☐	☐	
16-004	K290433	205.00	205.52	0.00	650	☐	☐	☐	☐	
16-004	K290434	205.52	206.12	0.00	560	☐	☐	☐	☐	
16-004	K290435	206.12	206.63	0.00	610	☐	☐	☐	☐	
16-004	K290436	206.63	207.15	0.00	470	☐	☐	☐	☐	
16-014	K290437	207.15	207.70	0.00	630	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-014	K290438	215.78	216.16	0.00	2140	☐	☐	☐	☐	
16-014	K290439	216.16	216.62	0.00	2360	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-014	K290440	216.62	219.15	0.00	1970	☐	☐	☐	☐	
16-014	K290441	219.15	221.79	0.00	1330	☐	☐	☐	☐	
16-014	K290442	221.79	222.29	0.33	470	☐	☐	☐	☐	
16-014	K290444	222.29	222.88	0.01	510	☐	☐	☐	☐	
16-014	K290445	222.88	223.51	0.00	470	☐	☐	☐	☐	
16-014	K290446	222.88	223.51	0.00	480	☐	☑	☐	☐	
16-014	K290447	223.51	224.18	0.00	530	☐	☐	☐	☐	
16-014	K290448	224.18	224.77	0.00	610	☐	☐	☐	☐	
16-014	K290449	224.77	225.27	0.00	880	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-014	K290450	368.83	369.36	0.00	590	☐	☐	☐	☐	
16-014	K290451	369.36	369.90	0.00	490	☐	☐	☐	☐	
16-014	K290452	369.90	370.45	0.00	5840	☐	☐	☐	☐	
16-014	K290453	370.45	370.95	0.00	490	☐	☐	☐	☐	
16-014	K290454	370.95	371.56	0.01	630	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-014	K290455	371.56	373.84	0.00	1240	☐	☐	☐	☐	
16-014	K290457	373.84	374.24	0.00	1270	☐	☐	☐	☐	
16-014	K290458	374.24	375.81	0.00	1300	☐	☐	☐	☐	
16-014	K290459	375.81	376.14	0.06	720	☐	☐	☐	☐	
16-014	K290460	376.14	376.59	0.02	740	☐	☐	☐	☐	
16-014	K290461	376.14	376.59	0.00	910	☑	☐	☐	☐	
16-014	K290462	376.59	377.19	0.00	2050	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-014	K290463	466.08	468.68	0.00	1250	☐	☐	☐	☐	
16-014	K290465	468.68	469.13	0.00	850	☐	☐	☐	☐	
16-014	K290466	469.13	469.55	0.00	1440	☐	☐	☐	☐	
16-020	K292730	469.55	469.99	1.23	320	☐	☐	☐	☐	
16-014	K290467	469.99	470.49	0.07	1260	☐	☐	☐	☐	
16-014	K290469	470.49	470.89	0.02	2200	☐	☐	☐	☐	
16-014	K290470	470.89	471.53	0.00	850	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-014	K290471	471.53	473.13	0.01	1000	☐	☐	☐	☐	
16-014	K290472	473.13	473.55	0.01	830	☐	☐	☐	☐	
16-021	K290473	473.55	474.06	0.02	930	☐	☐	☐	☐	
16-021	K290474	474.06	474.50	0.08	760	☐	☐	☐	☐	
16-021	K290475	474.50	474.89	0.35	840	☐	☐	☐	☐	
16-021	K290476	474.50	474.89	0.34	1820	☑	☐	☐	☐	
16-021	K290477	474.89	475.29	0.14	700	☐	☐	☐	☐	
16-021	K290478	475.29	475.86	0.00	6850	☐	☐	☐	☐	
16-021	K290479	475.86	476.46	0.00	1230	☐	☐	☐	☐	
16-021	K290480	476.46	476.95	0.00	420	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-021	K290481	482.07	482.65	0.00	720	☐	☐	☐	☐	
16-021	K290483	482.65	483.21	0.01	630	☐	☐	☐	☐	
16-021	K290484	483.21	483.77	2.46	2320	☐	☐	☐	☐	
16-021	K290485	483.77	484.46	0.38	600	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-021	K290486	484.46	484.89	0.61	980	☐	☐	☐	☐	
16-021	K290488	484.89	485.66	0.00	540	☐	☐	☐	☐	
16-021	K290489	485.66	486.21	0.00	770	☐	☐	☐	☐	
16-021	K290490	486.21	487.10	0.01	710	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-021	K290491	561.07	561.49	0.00	1290	☐	☐	☐	☐	
16-021	K290492	561.49	562.23	0.00	1770	☐	☐	☐	☐	
16-021	K290493	561.49	562.23	0.00	1680	☐	☑	☐	☐	
16-021	K290494	562.23	563.10	0.00	710	☐	☐	☐	☐	
16-021	K290495	563.10	563.79	0.00	560	☐	☐	☐	☐	
16-021	K290496	563.79	564.42	0.00	800	☐	☐	☐	☐	
16-020	K292737	564.42	564.79	0.01	3870	☐	☐	☐	☐	
16-021	K290497	564.79	565.34	0.00	1370	☐	☐	☐	☐	
16-021	K290498	565.34	565.85	0.00	1530	☐	☐	☐	☐	
16-021	K290500	565.85	566.36	0.00	1910	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-021	K290501	566.36	567.26	0.00	2030	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
63.14	63.16	VN	37	-	NUL	1	Quartz/carbonate vein (2cm) hosting trace disseminated pyrite. Found within heavily gouge altered granodiorite fault zone.			
								Py	0.1	DI
67.63	67.74	VN	37	50	NUL	1	Barren quartz/carbonate flooded vein zone. No mineralization present.			
156.72	156.75	VN	37	55	NUL	1	Quartz/carbonate vein (1.5cm) hosting trace disseminated pyrite, hematite, and chlorite along its outer selvedges.			
								Py	1	DI
164.80	164.83	VN	37	60	NUL	1	Dark smoky quartz vein up to 3 cm wide (pinches out to 2cm in the middle of the vein) within a zone of moderate phyllic/chloritic altered granodiorite. This vein hosts disseminated pyrite, disseminated blebs of sphalerite, and blebs of disseminated sylvanite (?displays metallic scratch, ~2 softness, non cubic cleavage?). Sylvanite in this vein is found In sporadic blebs throughout, both proximal to other sulfide mineralization and independent of pyrite and sphalerite mineralization.			
								Sy	1	BL
								Sp	1.5	BL
								Py	1	DI
165.03	165.25	VN	37	na	NUL	1	Dark smoky quartz vein 14cm long found within moderately phyllic altered granodiorite. Vein resembles a flooded quartz zone, with the main smoky quartz vein being accompanied by lesser smoky quartz mineralization along the lower selvedge extending another 8cm. Vein zone hosts blebby and disseminated pyrite, disseminated sphalerite around pyrite mineralizatoin, and arsenopyrite (?). Tan ankerite also accompanies sulfide mineralization, creating a breccia-like texture.			
								Py	2	BL
								Py	4	DI
								Sp	1	DI
								As	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
175.05	175.13	VN	37	60	NUL	1	vein of intense hemitization found within moderately chloritized/hematite altered granodiorite. Zone has intense chlorification throughout the main hematite zone, with a quartz/hematite stringer hosting trace pyrite along its lower selvedge. Zone displays weak magnetic properties.			
								Py	0.1	DI
								He	60	MA
178.92	179.03	VN	37	55	NUL	1	Flooded quartz vein zone enveloped by . Quartz vein hosts trace hematization, as well as small veinlets of hematite (magnetite?) and pyrite in semi-blebs.			
								He	2	BN
								Py	1	BL
182.78	182.82	VN	37	70	NUL	1	Quartz/carbonate vein found within a zone of moderately chloritized granodiorite with weak to moderate hematite overprinting. No mineralization visible.			
187.80	187.83	VN	37	60	NUL	1	Quartz/calcite vein with trace hematization. Calcite envelopes the barren quartz vein on both sides, with minor hematization occuring within the vein.			
								He	1	DI
192.36	192.37	DY	37	75	NUL	1	Aplite dyke cross cutting trace to weakly potassic/propylitic altered granodiorite.			
195.37	195.51	VB	37	-	NUL	1	Intensely chloritized granodiorite with intense pervasive hematization. A flooded quartz vein within this interval brecciates the chloritized/hemitized granodiorite, leaving an interconnected net texture of quartz, hematite, and chlorite.			
								He	20	MA
205.90	206.04	VN	37	15	NUL	1	Shallow dipping 1cm quartz vein enveloped by phyllic granodiorite with chloritic overprinting. Quartz vein hosts blebby honey brown sphalerite, blebby to disseminated pyrite, trace disseminated galena, possible trace disseminated sylvanite (?displays metallic scratch, ~2 softness, non cubic cleavage?), and blebs of tan ankerite. Vein intersects a chlorite infilled fracture along approximately the same attitude.			
								Sp	20	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Gn	0.5	DI
								Py	5	DI
								Sy	0.1	DI
								Py	1	BL
213.32	213.38	VT	37	65	NUL	2	Phyllic altered granodiorite with weak chloritic overprinting. Quartz veinlet hosting concentrate blebby pyrite and black magnetite (?) occurrs, splitting into a second main veinlet due to the a proximal joint intersecting the veinlets, and then eminating into small stringers following microfractures. Veins are slightly magnetic.			
								Py	25	BL
								Ma	5	DI
215.18	215.19	VT	37	60	NUL	1	Quartz/carbonate/chlorite vein (1cm) hosting blebby and disseminated pyrite, and disseminated honey brown sphalerite. A chlorite veinlet cross cuts the vein. Vein occurs along the lower selvedge of a joint.			
								Sp	5	DI
								Py	45	BL
								Cl	15	---
216.63	218.00	VT	37	45	NUL	4	4 quartz/chlorite veinlets hosting blebby to disseminated pyrite over ~1.4m. Veinlets range from 0.5cm - 1cm and occur near areas of chloritization.			
								Py	25	BL
218.91	218.93	VN	37	70	NUL	1	Weakly phyllic/propylitic altered granodiorite with weak hematization hosting a quartz vein containing blebby to disseminated pyrite.			
								Py	60	BL
								Py	0	DI
222.02	222.04	VN	37	85	NUL	1	Blebby pyrite hosted within a smoky quartz vein. Vein is enveloped by a moderately phyllic/propylitic altered halo with weak hematite overprinting.			
								Py	40	BL
229.72	229.77	VN	37	35	NUL	1	Quartz/carbonate vein with alternating pulses of hematite, calcite and quartz occuring along the outer rim of the vein. Vein is surrounded by propylitic/chloritic altered granodiorite. No sulfide mineralization			
								He	10	BN

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
285.20	285.22	DY	37	70	NUL	1	Red aplite dyke cross cutting argillic/potassic altered granodiorite.			
294.17	294.23	VN	37	50	NUL	1	6cm hematite vein with interconnected quartz/carbonate veinlets. Hosted in an interval of quartz flooded hematite/chlorite altered granodiorite.			
370.00	370.28	DY	37	70	NUL	1	quartz feldspar porphyry dyke with bands of brown and green QFP dyke transitioning into the brown-green QFP dyke intertonguing patches of quartz breccia. No mineralization present			
373.85	374.00	BX	34	50	NUL	2	Smokey quartz vein found within green quartz feldspar porphyry dyke (5cm). Vein is highly fractured, but no mineralization present. Along the lower selvege of the quartz vein, a smokey quartz breccia containing phyllic altered granodiorite is found (6cm). Also no mineralization present.			
375.93	379.04	VN	37	70	NUL	1	Flooded smoky quartz vein found in the gradational contact of brown-green quartz feldspar porphyry dyke. Vein hosts tan ankerite along the lower selvege of the vein, which envelops massive honey brown sphalerite, massive black magnetite, and blebs of disseminated galena. Throughout the smoky quartz vein itself, trace disseminated pyrite is present, along with small blebs of honey brown sphalerite, magnetite, galena, and milky bull quartz. The smoky quartz vein zone is surrounded by dyke along one side, and phyllic altered granodiorite along the lower selvege.			
								Gn	3	BL
								Mg	15	MA
								Sp	30	MA
								Py	3	DI
380.83	381.81	VN	37	40	NUL	3	4 Gouge altered smoky quartz veins (1-3cm) hosting disseminated pyrite. Veins are found in highly gouge altered moderate phyllic/chloritic altered granodiorite.			
								Py	0.5	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
389.94	390.02	VN	37	50	NUL	1	Steeply dipping quartz vein (1cm) hosting disseminated blebby specular hematite. Surrounded by moderately phyllic/chloritic altered granodiorite.			
								He	15	BL
390.05	390.06	VT	37	80	NUL	1	Quartz veinlet (0.3cm) hosting disseminated blebby specular hematite. Surrounded by moderately phyllic/chloritic altered granodiorite.			
								He	80	BL
393.73	394.56	VN	37	35	NUL	3	3 chlorite veinlets. Display slight net texture.			
								Cl	3	MA
405.93	405.97	VN	37	50	NUL	1	4cm quartz carbonate vein hosting disseminated pyrite along its lower selvedge. Upper selvedge of vein has blebby specular hematite, chlorite stringers, and hematization overprinting a portion of the quartz vein.			
								Cl	1	BL
								He	12	BL
423.07	423.21	VN	37	20	NUL	1	Steeply dipping 5cm vein of quartz carbonate. Contains chlorite infill along the selvedges of the vein, and sporadically throughout.			
431.39	431.43	VN	37	40	NUL	1	Quartz vein hosting moderate hematite and epidote along the outer selvedges.			
455.33	455.77	GO	34	25	NUL	1	propylitic altered granodiorite displaying weak gouge alteration. Displays quartz flooding and is highly fractured with chlorite healed fractures.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
469.63	470.01	BV		-	NUL	1	Strongly phyllic altered granodiorite containing a quartz flooded sulfide vein zone. This vein zone hosts an abundance of tan ankerite, blebby to semi-massive zoned honey brown sphalerite, blebby galena, blebby to disseminated pyrite, and an abundance of a massive black sulfide material. The mass of black sulfide material is found in almost all cases to be enveloped by tan ankerite, and is found proximal to the vast majority of zoned honey brown sphalerite. Fine grained sulfides such as pyrite (and possibly arsenopyrite?) can be observed within the black structures and seem to follow zoning patterns. Based on the proximity to ankerite and honey sphalerite, zoning patterns within the structures, apparent overprinting by fine grained sulfide minerals, and the grain shape resemblance to sphalerite, it is possible that the black mass of sulfides is zoned honey brown sphalerite that has undergone replacement by fine grained sulfides such as pyrite (and arsenopyrite?). Vein zone pinches out with depth as it extends parallel down the host granodiorite. Ankerite in the vein zone envelopes the zoned honey brown sphalerite and massive patches of black sulfides. An interstitial matrix of smoky quartz, carbonates, and occasional granodiorite clasts found in the background matrix between sulfide grains.			
								Sp	5	BL
								As	0.1	---
								Ak	7	MA
								Py	45	AN
								Gn	2	BL
470.39	470.75	VN	37	50	NUL	3	Smokey quartz veins and veinlets found within moderately phyllic altered granodiorite. Veins crosscut granodiorte in a net texture, and are interconnected along the entire interval. Hosts disseminated blebby honey brown sphalerite. Veins slighly brecciate phyllic granodiorite.			
								Sp	2	BL
473.20	473.25	VT	37	60	NUL	1	Smoky quartz veinlet hosting disseminated pyrite. Slighty amounts of carbonate mineral found along outer selvedges of veinlet. Found within moderately propylitic altered granodiorite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	DI
473.71	473.80	BX	34	40	NUL	1	Smoky quartz vein brecciating moderately propylitic altered granodiorite. Breccia contains small fine grained clasts of propylitic granodiorite, and quartz/carbonate stringers.			
474.57	475.28	BX	34	-	NUL	1	propylitic altered granodiorite that has been brecciated by both brown silicic quartz feldspar porphyry dyke and smokey quartz hosting disseminated to semi massive pyrite and blebby magnetite. Clast size ranges from pebble to cobble size. Entire interval contains disseminated pyrite throughout.			
								Py	1	DI
								Ma	3	BL
								Py	3	MA
483.23	483.44	VN	37	-	NUL	1	Smokey quartz vein zone hosting blebby to disseminated pyrite. Vein zone becomes strongly gouge altered at lower selvedge.			
								Py	15	DI
483.44	483.73	VN	37	-	NUL	1	Fractured vein zone that has also been moderately gouge altered. Smoky quartz flooded zone hosting disseminated pyrite.			
								Py	1	DI
483.78	484.14	VB	37	-	NUL	1	Strongly propylitic altered granodiorite that has undergone quartz flooding and brecciation. Breccia contains mottled zones of black sulfide (similar to 469m) with fine grained pyrite present within. Disseminated pyrite can be seen throughout the entire interval, and tan ankerite is seen along the upper selvedge in minor blebs along with minor zoned honey brown sphalerite.			
								Py	3	DI
								Sp	0.1	BL
								Ak	0.5	BL
564.45	564.68	VN	37	15	NUL	1	mikly quartz vein dipping shallow TCA found within moderately phyllic altered granodiorite. Milky quartz vein is patchy and intermixed with granodiorite. Mikly quartz vein hosts trace blebby pyrite and trace blebby magnetite ((?) Properties: magnetic, metallic black, red/brown scratch(?)).			
								Py	0.1	BL
								Ma	0.1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
565.00	565.01	VT	37	60	NUL	1	Milky quartz vein found within phyllic/argillic altered granodiorite (1cm). Hosts trace disseminated pyrite.			
								Py	0.1	DI
565.08	565.09	VT	37	60	NUL	1	Milky quartz veinlet found within argillic/phyllic to propylitic halo. Veinlets hosts trace disseminated pyrite.			
								Py	0.5	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383212	6889139	1423.43	316.07

ZONE: Pika

SECTION:

HOLE: KL-16-300

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: Jun 28 - Jul 30, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	34.1	-49.3	Reflex
316.07	41.5	-48.2	Reflex

TARGET: Pika

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.1	5.1	OVB
5.1	32.05	26.95	GRD
32.05	39.11	7.06	GRD
39.11	45.64	6.53	GRD
45.64	55	9.36	GRD
55	59.76	4.76	GRD
59.76	75.15	15.39	GRD
75.15	77.51	2.36	GRD
77.51	84.01	6.5	GRD
84.01	128.3	44.29	GRD
128.3	131.15	2.85	GRD
131.15	177.18	46.03	GRD
177.18	180.17	2.99	GRD
180.17	185.1	4.93	GRD
185.1	188.53	3.43	GRD
188.53	195.55	7.02	GRD

SAMPLES	
Numbers:	K292156 to K292314, K292709 to K292712, K292715 to K292725
Total:	174
Batch:	003, 010, 011, 012, 013, 015
Certificates:	TR16108378, TR16108382, TR16108383, TR16108384, TR16108385, TR16108386, TR16123315

COMMENTS

195.55	202.44	6.89	QFP
202.44	203.62	1.18	GRD
203.62	203.88	0.26	QFP
203.88	216.48	12.6	GRD
216.48	222.56	6.08	GRD
222.56	250.96	28.4	GRD
250.96	268.49	17.53	GRD
268.49	279.59	11.1	GRD
279.59	282.07	2.48	GRD
282.07	311.13	29.06	GRD
311.13	315.29	4.16	GRD
315.29	316.07	0.78	GRD

Box Log

KL-16-300

Klaza
Pika Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	4.7	8.55
2	8.55	12.55
3	12.55	16.4
4	16.4	20.33
5	20.33	23.82
6	23.82	27.74
7	27.74	31.77
8	31.77	35.66
9	35.66	39.62
10	39.62	43.96
11	43.96	48.02
12	48.02	52.26
13	52.26	56.14
14	56.14	60.21
15	60.21	64.05
16	64.05	68.48
17	68.48	72.24
18	72.24	76.42
19	76.42	80.68
20	80.68	84.9
21	84.9	89.5
22	89.5	93.26
23	93.26	97.74
24	97.74	102.11
25	102.11	106.33
26	106.33	110.47
27	110.47	114.72
28	114.72	118.89
29	118.89	122.89
30	122.89	127.25
31	127.25	131.5
32	131.5	135.71
33	135.71	139.97
34	139.97	144.09
35	144.09	148.44
36	148.44	152.67
37	152.67	157
38	157	160.96
39	160.96	165.08
40	165.08	169.34
41	169.34	173.4
42	173.4	177.46
43	177.46	181.56
44	181.56	185.68
45	185.68	189.87
46	189.87	194.09
47	194.09	198.22
48	198.22	202.37
49	202.37	206.48
50	206.48	210.87
51	210.87	214.95
52	214.95	219.17
53	219.17	223.45
54	223.45	227.65
55	227.65	231.9
56	231.9	236.21
57	236.21	240.32
58	240.32	244.63
59	244.63	249.02
60	249.02	253.01
61	253.01	257.11
62	257.11	261.21
63	261.21	265.33
64	265.33	269.61
65	269.61	273.9
66	273.9	278.18
67	278.18	282.55
68	282.55	287.04
69	287.04	291.27
70	291.27	295.67
71	295.67	299.99
72	299.99	304.39
73	304.39	308.6
74	308.6	313.03
75	313.03	316.07

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-300									
	7.28	14	NQ2	GRD	813.7	508.4	2.74	2.7	Moderate to intense pervasive oxidation heavily obscures rock textures and colors. Appears the primarily moderate argillic alteration with patches of weak to moderate phyllic alteration and less oxidized unaltered granodiorite. Interval is rubbly and quite broken up. Goethite staining along approximately 10% of fracture surfaces.
	37.75	11	NQ2	GRD	794.8	550.2	3.4	3.3	Strongly oxidized grey quartz vein hosting blebby to semi-massive pyrite.
	43.7	22	NQ2	GRD	1179.6	744.1	2.52	2.7	Primarily unaltered granodiorite with minor patches of weak phyllic alteration. Moderate oxidation on and around fracture surfaces.
	104.57	17	NQ2	GRD	1000.4	653.5	2.77	2.9	Grey to smokey quartz vein breccia. Has granule to pebble sized clast of white carbonate and phyllic granodiorite. Hosts disseminated to blebby pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	129.47	22	NQ2	GRD	1288.1	824.9	2.76	2.8	Multiphase breccia hosting. Phase 1 is a barren quartz phase, followed Phase 2 quartz/pyrite which is in turn brecciate by Phase 3 white-tan carbonate with sphalerite and galena. Phase 4 of smokey quartz and pyrite brecciates all other phases. Phase 5 is minor brecciation and infill by white calcite. Breccia hosts disseminated to blebby pyrite, honey brown sphalerite and galena. Sphalerite is zoned.
	185.5	18.5	NQ2	GRD	1092.2	719.5	2.78	2.9	Grey quartz vein partially brecciated by white carbonate. Hosts disseminated to blebby pyrite and sphalerite.
	258.6	11.2	NQ2	GRD	705.8	486.4	2.97	3.2	Smokey quartz minorly brecciating a grey quartz/white carbonate vein. Hosts disseminated to blebby pyrite and trace disseminated honey brown sphalerite, chalcopyrite and galena.
	259.1	14.8	NQ2	GRD	832.4	511.6	2.65	2.6	Silicified moderate to strongly phyllic altered granodiorite hosting disseminated pyrite, two pyrite stringers and a 0.3cm quartz vein hosting blebby pyrite and disseminated chalcopyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	263.2	15.4	NQ2	GRD	932.9	597.7	2.85	2.8	5cm of smokey quartz vein breccia with granule to pebble sized clasts of grey quartz and light tan ankerite. Hosts disseminated pyrite and chalcopyrite. ~10cm of silicified moderate phyllic oxidation hosting disseminated pyrite and two quartz/pyrite stringers.
	299.46	22.3	NQ2	GRD	1273	826.4	2.69	2.9	Strongly phyllic altered granodiorite hosting disseminated pyrite and a banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite.
	312.87	17	NQ2	GRD	938.6	613.5	2.6	2.9	White carbonate brecciating grey quartz and is in turn brecciated by smokey quartz. Breccia hosts disseminated to blebby pyrite and galena. Hosted in strong phyllic granodiorite hosting disseminated pyrite.
	313.5	13.5	NQ2	GRD	703.9	453.4	2.46	2.8	Grey quartz brecciating phyllic granodiorite. Hosts disseminated to blebby pyrite and chalcopyrite. Pebble to cobble sized clasts.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.10	32.05	26.95	GRD	MG	Moderate to intense pervasive oxidation heavily obscures rock textures and colors. Appears the primarily moderate argillic alteration with patches of weak to moderate phyllic alteration and less oxidized unaltered granodiorite. Interval is rubbly and quite broken up. Goethite staining along approximately 10% of fracture surfaces.							
						MD	OR	FR	OXI	4I	Li	1
						MD	GY		OXI	5I		
						LT	OR	RB	OXI	3I	Go	1
32.05	39.11	7.06	GRD	MG	Pervasively strongly oxidized strongly phyllic altered granodiorite. Host disseminated pyrite, 1-2 pyrite veinlets per meter and a large 12cm semi-massive pyrite vein zone at the end of the interval. Oxidation obscures rock textures.							
						MD	OR		PHC	4I		
						LT	OR	FR	PHC	3I	Py	3
						LT	GN		OXI	4I		
						LT	GY					
39.11	45.64	6.53	GRD	MG	Primarily unaltered granodiorite with minor patches of weak phyllic alteration. Moderate oxidation on and around fracture surfaces.							
						MD	GY		PHC	2I		
						MD	OR		OXI	3I		
						LT	GN					
45.64	47.20	1.56	GRD	MG	Moderate phyllic and patchy argillic altered granodiorite. ~ 1-2 carbonate or quartz/pyrite stringer per meter. Strong pervasive oxidation obscures rock textures.							
						MD	OR	PA	OXI	3I		
						LT	OR		OXI	4I		
						LT	GN		PHC	3I		
									ARG	3I		
47.20	49.77	2.57	GRD	MG	Pervasively strongly oxidized moderate to strong phyllic alteration envelopes surrounding a large quartz/carbonate/sulphide vein zone. veining. ~3-4 quartz/pyrite veinlets or stringers per meter. Oxidation obscures rock textures. Hosts disseminated pyrite.							
						MD	OR		OXI	3I	Py	0.1
						LT	OR		OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I		
									PHC	4I		
49.77	52.57	2.80	GRD	MG	Moderate phyllic and patchy argillic altered granodiorite. ~ 1-2 carbonate or quartz/pyrite stringer per meter. Strong pervasive oxidation obscures rock textures.							
						MD	OR	EN				
						LT	OR					
						LT	GN					
52.57	53.86	1.29	GRD	MG	Pervasively strongly oxidized moderate to strong phyllic alteration envelopes surrounding a large quartz/carbonate/sulphide vein zone. veining. Oxidation obscures rock textures. Interval is heavily fractured. Hosts disseminated pyrite.							
						MD	OR	EN	OXI	3I	Py	0.1
						LT	OR		OXI	4I		
						LT	GN		PHC	3I		
									PHC	4I		
53.86	55.00	1.14	GRD	MG	Patchy moderate argillic and propyllitic alteration.							
						MD	GN		PRO	3I		
						LT	WH	PA	ARG	3I		
55.00	59.76	4.76	GRD	MG	Primarily unaltered granodiorite with weak phyllic alteration envelopes around minor quartz/pyrite veining. Moderate oxidationa long farcture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GN					
59.76	75.15	15.39	GRD	MG	Moderate to strongly phyllic altered granodiorite. Patchy moderate to strong pervasive oxidation throughout interval. Intensity increase with proximity sulphide veining. Hosts disseminated pyrite, multiple quartz/carbonate/sulphide veins/breccias and 3-5 quartz/pyrite or carbonate veinlets/stringers per meter.							
						MD	GN		PHC	4I		
						MD	OR		OXI	3I		
						LT	GN	EN	PHC	3I	Py	1
									OXI	4I		
75.15	77.51	2.36	GRD	MG	Unaltered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
77.51	84.01	6.50	GRD	MG	Moderately phyllic altered granodiorite. Patchy moderate oxidation o fracture surfaces. Intensity increase with proximity sulphide veining. Hosts disseminated pyrite and 3-5 quartz/pyrite or carbonate veinlets/stringers per meter.							
						MD	GN		OXI	3I		
						MD	OR					
						LT	GN		PHC	3I	Py	1
84.01	86.30	2.29	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation along fracture surfaces throughout.							
						MD	OR					
						MD	GY		OXI	2I		
86.30	89.21	2.91	GRD	MG	Alternating patches of weak to moderate phyllic alteration and moderate argillic/potassic/propyllitic alteration.							
						MD	PK		PRO	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	3I		
						DK	GN		POT	3I		
									PHC	2I		
89.21	90.69	1.48	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation along fracture surfaces throughout.							
						MD	GY		OXI	2I		
						MD	OR					
90.69	94.37	3.68	GRD	MG	Moderately argillic altered granodiorite with patchy phyllic and potassic overprints. Phyllic overprinting is from minor alteration halos surrounding carbonate veinlets and stringers.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		
									POT	4I		
94.37	94.88	0.51	GRD	MG	Unaltered granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.88	97.80	2.92	GRD	MG	Two silicified moderate to strong phyllic envelopes each surrounding a quartz/carbonate/sulphide vein zone. Phyllic envelopes host disseminated pyrite. Phyllic alteration transitions to oxidized argillic/potassic alteration distally from veining.							
						MD	OR		POT	2I		
						MD	GY		PHC	3I		
						MD	PK		SIL	3I		
						LT	GN	EN	ARG	3I	Py	0.1
						LT	WH		PHC	4I		
									OXI	2I		
97.80	101.28	3.48	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
									OXI	2I		
									POT	1I		
									POT	2I		
101.28	103.76	2.48	GRD	MG	Moderately argillic and weakly potassic propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
103.76	106.40	2.64	GRD	MG	Silicified moderate to strong phyllic alteration envelope hosting a smokey quartz/sulphide breccia and two quartz/carbonate/sulphide veins. Hosts trace disseminated pyrite.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I	Py	0.1
						LT	GY		PHC	4I		
106.40	109.52	3.12	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		POT	1I		
									PRO	2I		
109.52	111.79	2.27	GRD	MG	Argillic/potassic altered granodiorite with weak to moderate phyllic envelopes surrounding quartz/pyrite veins and veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK	PA	PHC	3I		
						LT	WH	EN	PHC	2I		
						LT	GN		ARG	3I		
									POT	2I		
111.79	119.21	7.42	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
119.21	125.67	6.46	GRD	MG	Silicified weak to moderate phyllic/propyllitic altered granodiorite with patches of argillic/potassic alteration. A few minor quartz/carbonate veinlets throughout.							
						MD	GY		ARG	2I		
						MD	PK		POT	3I		
						LT	GY	PA	PHC	3I		
						LT	WH		ARG	3I		
									PHC	2I		
									SIL	3I		
									PRO	2I		
									PRO	3I		
125.67	128.30	2.63	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		
128.30	131.15	2.85	GRD	MG	Patchily pervasively oxidized silicified moderate to strong phyllic envelope hosting a large quartz/carbonate/sulphide breccia, a moderate sized quartz/carbonate/pyrite vein, multiple quartz/pyrite stringers and disseminated pyrite.							
						MD	GN		PHC	4I		
						MD	OR		OXI	3I		
						LT	GN	EN	PHC	3I		
						LT	GY		SIL	3I		
131.15	150.35	19.20	GRD	MG	Moderately magnetic primarily unaltered granodiorite with sporadic minor phyllic envelopes around quartz/carbonate +/- pyrite veining and small patches of rubbly argillic/potassic alteration.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.35	151.11	0.76	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/carbonate/sulphide vein breccia and multiple quartz/pyrite stringers.							
						MD	GY		SIL	3I		
						LT	GN	EN	PHC	3I		
155.75	157.33	1.58	GRD	MG	Silicified moderate phyllic envelope surrounding 6cm quartz/carbonate/sulphide vein breccia.							
								EN				
157.33	167.47	10.14	GRD	MG	Moderately magnetic primarily unaltered granodiorite with sporadic minor phyllic envelopes around quartz/carbonate +/- pyrite veining.							
						MD	GY					
167.47	168.61	1.14	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/carbonate/sulphide breccia. Envelope hosts trace disseminated pyrite.							
						MD	GN		SIL	3I		
						LT	GN	EN	PHC	3I	Py	0.1
168.61	169.41	0.80	GRD	MG	Moderately magnetic primarily unaltered granodiorite.							
						MD	GY					
169.41	173.60	4.19	GRD	MG	Trace to weakly phyllic/propyllitic altered granodiorite hosting disseminated pyrite and multiple pyrite and quartz/pyrite stringers.							
						MD	GN		PRO	2I		
						MD	GY		PHC	1I		
						LT	GN		PRO	1I	Py	0.1
									PHC	2I		
173.60	177.18	3.58	GRD	MG	Moderately magnetic primarily unaltered granodiorite. Hosts 1-2 carboante stringers per meter.							
						MD	GY					
177.18	180.17	2.99	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite, multiple quartz/carbonate/sulphide veins, quartz/pyrite veinlets and stringers.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						LT	GY		SIL	3I		
180.17	185.10	4.93	GRD	MG	Moderately argillic/potassic altered granodiorite with a weak propyllitic overprint.							
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
185.10	188.53	3.43	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide breccias and quartz/pyrite stringers. Phyllic alteration hosts trace disseminated pyrite.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						LT	GY		SIL	3I		
188.53	190.24	1.71	GRD	MG	Weakly propyllitic and potassic altered granodiorite .							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
190.24	191.53	1.29	GRD	MG	Moderate phyllic envelope surrounding a carbonate/quartz/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		
191.53	195.27	3.74	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy argillic/potassic/propyllitic alteration.							
						MD	GY	PA	PRO	1I		
						MD	PK		POT	1I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									ARG	2I		
195.27	195.55	0.28	GRD	MG	Silicified moderate phyllic altered granodiorite at the upper selvedge of dyke contact. Hosts disseminated pyrite.							
						MD	GY					
						LT	GN		PHC	3I	Py	1
195.55	195.93	0.38	QFP	MG	Dark grey portion of quartz feldspar porphyry(?) dyke. Hosts disseminated pyrite and is weakly magnetic.							
						DK	GY	PO			Py	0.1
195.93	202.05	6.12	QFP	MG	Light grey quartz feldspar porphyry(?) dyke. Dyke hosts disseminated pyrite and t, pyrite stringers and minor pyrite mineralization.							
						LT	GY				Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
202.05	202.44	0.39	QFP	MG	Dark grey portion of quartz feldspar porphyry(?) dyke. Hosts disseminated pyrite and is weakly magnetic.							
						DK	GY	PO			Py	0.1
202.44	203.62	1.18	GRD	MG	Moderately propyllitic altered granodiorite with patchy phyllic alteration at dyke contacts. Host disseminated pyrite and a few pyrite stringers.							
						MD	GY		PRO	3I	Py	0.1
						LT	GN		PHC	3I		
						DK	GN		PHC	2I		
203.62	203.88	0.26	QFP	MG	Medium grey quartz feldspar porphyry(?) dyke. Hosts disseminated pyrite and a few pyrite stringers.							
						MD	GY	PO			Py	1
203.88	206.20	2.32	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic. ~1-2 carbonate stringers per meter.							
						MD	GY		PRO	1I		
						MD	PK		PRO	3I		
						DK	GN		PRO	2I		
									POT	2I		
206.20	207.62	1.42	GRD	MG	Moderate phyllic envelope with patchy moderate propyllitic alteration surrounding carbonate/quartz/sulphide breccia.							
						MD	GN	PA	PHC	3I		
						LT	GN	EN	PRO	3I		
						DK	GN					
207.62	216.48	8.86	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic. ~1-2 carbonate stringers per meter.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									PRO	3I		
									POT	2I		
222.56	226.59	4.03	GRD	MG	Primarily unaltered to trace propyllitic/potassic altered granodiorite. Granodiorite is weak to moderately magnetic. Has multiple phyllic envelopes around quartz/carbonate/sulphide veining.							
						MD	GY					
226.59	228.53	1.94	GRD	MG	Moderate phyllic envelope surrounding a carbonate/quartz/sulphide vein.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	PHC	3I		
228.53	235.42	6.89	GRD	MG	Primarily unaltered to trace propyllitic/potassic altered granodiorite. Granodiorite is weak to moderately magnetic.							
						MD	GY					
235.42	236.47	1.05	GRD	MG	Weak phyllic envelope around a smokey quartz breccia. Transitions to argillic/potassic alteration distally from the breccia.							
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
236.47	239.68	3.21	GRD	MG	Primarily unaltered to trace propyllitic/potassic altered granodiorite. Granodiorite is weak to moderately magnetic.							
						MD	GY					
239.68	242.30	2.62	GRD	MG	Argillic/potassic/propyllitic altered granodiorite with two small moderate phyllic envelopes surrounding quartz/carbonate/sulphide veining.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	WH	EN	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		POT	2I		
242.30	250.96	8.66	GRD	MG	Primarily unaltered to trace propyllitic/potassic altered granodiorite. Granodiorite is weak to moderately magnetic.							
						MD	GY					
250.96	268.49	17.53	GRD	MG	Vein zone comprised of moderate to strongly phyllic altered granodiorite with minor patches of argillic/potassic/propyllitic alteration occurring distally from veining. Zone hosts disseminated pyrite proximal to veining and in strong phyllic alterations. Hots three significant quartz/carbonate/sulphide veins along with multiple smaller quartz/sulphide veinlets and stringers throughout the interval. Minor gouge alteration present in a few veins. Chalcopyrite is present is most significant veining in this interval.							
						MD	GN	PA	PHC	4I		
						MD	PK		PRO	2I		
						LT	GN	EN	PHC	3I	Py	0.1
						LT	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		ARG	2I		
									POT	2I		
268.49	270.36	1.87	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Patchy moderate propyllitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	PK		PRO	3I		
						DK	GN		POT	2I		
270.36	273.31	2.95	GRD	MG	An abundance of overlapping phyllic envelopes surrounding many white carbonate veins and veinlets. Phyllic alteration transitions to argillic/potassic alteration distally from veining.							
						MD	GN	PA	ARG	3I		
						MD	PK		PRO	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
273.31	274.53	1.22	GRD	MG	Weak to moderately propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
274.53	277.39	2.86	GRD	MG	Two silicified moderate to strong phyllic envelopes at the start and end of interval separates weak phyllic and moderately propyllitic altered granodiorite. Envelopes surround two small quartz/carbonate/sulphide vein zones. Envelopes hosts trace disseminated pyrite.							
						MD	GN		PHC	3I		
						MD	GY		PHC	4I		
						LT	GN	EN	PRO	3I	Py	0.1
						DK	GN		PHC	2I		
									SIL	3I		
277.39	279.59	2.20	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
279.59	282.07	2.48	GRD	MG	Vein zone comprised of moderate to strongly phyllic altered granodiorite with minor patches of argillic/potassic/propyllitic alteration occurring distally from veining. Zone hosts disseminated pyrite proximal to veining and in strong phyllic alterations. Hots two significant quartz/carbonate/sulphide veins along with a few smaller quartz/sulphide veinlets and stringers throughout the interval. Chalcopyrite is present in all significant veining in this interval.							
						MD	GN	PA	PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
									POT	2I		
282.07	299.17	17.10	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						LT	GY		PRO	1I		
						DK	GN		POT	1I		
299.17	300.90	1.73	GRD	MG	Moderate to strong phyllic envelope hosting multiple quartz/carbonate/sulphide veins and disseminated pyrite.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
305.02	307.92	2.90	GRD	MG	Silicified moderate to strongly propyllitic altered granodiorite. Pyrite mineralization and hematite staining along fracture surfaces and ~1 pyrite stringer per meter. Minor amount of blebby light green epidote throughout.							
						MD	GY		PRO	3I	Py	1
						DK	GN		SIL	3I	Ep	1
											He	1
307.92	311.13	3.21	GRD	MG	Weakly propyllitic and potassic altered granodiorite altered granodiorite.							
						MD	GY					
						MD	PK					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
311.13	315.29	4.16	GRD	MG	Vein zone comprised of strongly phyllic altered granodiorite. Zone hosts disseminated pyrite. Hosts three significant quartz/carbonate/sulphide veins along with a high abundance smaller quartz/sulphide veinlets and stringers throughout the interval. Chalcopyrite is present in significant veining in this interval.							
						LT	GN	EN	PHC	4I	Py	3
						LT	GY		SID	3I		
						LT	WH					
315.29	316.07	0.78	GRD	MG	Moderately propyllitic and weakly potassic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.10	32.05	26.95	GRD	MG	Moderate to intense pervasive oxidation heavily obscures rock textures and colors. Appears the primarily moderate argillic alteration with patches of weak to moderate phyllic alteration and less oxidized unaltered granodiorite. Interval is rubbly and quite broken up. Goethite staining along approximately 10% of fracture surfaces.							
						MD	OR	FR	OXI	4I	Li	1
						MD	GY		OXI	5I		
						LT	OR	RB	OXI	3I	Go	1
32.05	39.11	7.06	GRD	MG	Pervasively strongly oxidized strongly phyllic altered granodiorite. Host disseminated pyrite, 1-2 pyrite veinlets per meter and a large 12cm semi-massive pyrite vein zone at the end of the interval. Oxidation obscures rock textures.							
						LT	OR	FR	PHC	3I	Py	3
						MD	OR		PHC	4I		
						LT	GN		OXI	4I		
						LT	GY					
39.11	45.64	6.53	GRD	MG	Primarily unaltered granodiorite with minor patches of weak phyllic alteration. Moderate oxidation on and around fracture surfaces.							
						MD	GY		PHC	2I		
						MD	OR		OXI	3I		
						LT	GN					
45.64	55.00	9.36	GRD	MG	Pervasively strongly oxidized moderate to strong phyllic alteration envelopes surrounding 2 large quartz/carbonate/sulphide vein zones. Moderate phyllic and patchy argillic alteration separates vein zones and characterizes the granodiorite distally from veining. ~ 1-2 carbonate or quartz/pyrite stringer per meter. Oxidation obscures rock textures.							
						LT	OR	PA	OXI	4I		
									ARG	3I		
						LT	GN		PHC	3I		
						MD	OR	EN	OXI	3I		
									PHC	4I		
55.00	59.76	4.76	GRD	MG	Primarily unaltered granodiorite with weak phyllic alteration envelopes around minor quartz/pyrite veining. Moderate oxidationa long farcture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	3I		
						MD	OR		PHC	2I		
						LT	GN					
59.76	75.15	15.39	GRD	MG	Moderate to strongly phyllic altered granodiorite. Patchy moderate to strong pervasive oxidation throughout interval. Intensity increase with proximity sulphide veining. Hosts disseminated pyrite, multiple quartz/carbonate/sulphide veins/breccias and 3-5 quartz/pyrite or carbonate veinlets/stringers per meter.							
						LT	GN	EN	PHC	3I	Py	1
						MD	GN		PHC	4I		
						MD	OR		OXI	3I		
									OXI	4I		
75.15	77.51	2.36	GRD	MG	Unaltered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
77.51	84.01	6.50	GRD	MG	Moderately phyllic altered granodiorite. Patchy moderate oxidation o fracture surfaces. Intensity increase with proximity sulphide veining. Hosts disseminated pyrite and 3-5 quartz/pyrite or carbonate veinlets/stringers per meter.							
						MD	OR					
						MD	GN		OXI	3I		
						LT	GN		PHC	3I	Py	1
84.01	128.30	44.29	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite hosting multiple phyllic->argillic/potassic alteration halos surrounding quartz/carbonate/sulphide veining. Weak oxidation along fracture surfaces throughout, transitioning to patchy moderate oxidation in alteration halos.							
						MD	PK		POT	1I		
						MD	OR		OXI	3I		
									ARG	3I		
									POT	2I		
						LT	GN		PRO	2I		
						LT	WH		PRO	1I		
									PHC	3I		
						MD	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	3I		
128.30	131.15	2.85	GRD	MG	Patchily pervasively oxidized silicified moderate to strong phyllic envelope hosting a large quartz/carbonate/sulphide breccia, a moderate sized quartz/carbonate/pyrite vein, multiple quartz/pyrite stringers and disseminated pyrite.							
						LT	GN	EN	PHC	3I		
						MD	GN		PHC	4I		
						LT	GY		SIL	3I		
						MD	OR		OXI	3I		
131.15	177.18	46.03	GRD	MG	Moderately magnetic primarily unaltered granodiorite with sporadic minor phyllic envelopes around quartz/carbonate +/- pyrite veining and small patches of rubbly argillic/potassic alteration.							
						MD	GY					
177.18	180.17	2.99	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite, multiple quartz/carbonate/sulphide veins, quartz/pyrite veinlets and stringers.							
						LT	GY		SIL	3I		
						LT	GN	EN	PHC	3I	Py	0.1
						MD	GN		PHC	4I		
180.17	185.10	4.93	GRD	MG	Moderately argillic/potassic altered granodiorite with a weak propyllitic overprint.							
						DK	GN		PRO	2I		
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
185.10	188.53	3.43	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide breccias and quartz/pyrite stringers. Phyllic alteration hosts trace disseminated pyrite.							
						LT	GN	EN	PHC	3I	Py	0.1
						MD	GN		PHC	4I		
						LT	GY		SIL	3I		
188.53	195.55	7.02	GRD	MG	Weakly propyllitic and potassic altered granodiorite .							
									POT	2I		
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
195.55	202.44	6.89	QFP	MG	Light to dark grey quartz feldspar porphyry(?) dyke. Dyke is dark grey for ~30cm at upper and lower contacts. Entire dyke hosts disseminated pyrite and the light grey portion of the dyke hosts pyrite stringers and minor pyrite mineralization. Dark grey portions of the dyke are weakly magnetic and have larger feldspar porphyry's.							
						LT	GY					
						DK	GY	PO			Py	0.1
202.44	203.62	1.18	GRD	MG	Moderately propyllitic altered granodiorite with patchy phyllic alteration at dyke contacts. Host disseminated pyrite and a few pyrite stringers.							
						MD	GY		PRO	3I	Py	0.1
						DK	GN		PHC	2I		
						LT	GN		PHC	3I		
203.62	203.88	0.26	QFP	MG	Medium grey quartz feldspar porphyry(?) dyke. Hosts disseminated pyrite and a few pyrite stringers.							
						MD	GY	PO			Py	1
203.88	216.48	12.60	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic. ~1-2 carbonate stringers per meter.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		PRO	3I		
									POT	2I		
222.56	250.96	28.40	GRD	MG	Primarily unaltered to trace propyllitic/potassic altered granodiorite. Granodiorite is weak to moderately magnetic. Has multiple phyllic envelopes around quartz/carbonate/sulphide veining.							
						MD	GY					
						LT	GN					
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
250.96	268.49	17.53	GRD	MG	Vein zone comprised of moderate to strongly phyllic altered granodiorite with minor patches of argillic/potassic/propyllitic alteration occurring distally from veining. Zone hosts disseminated pyrite proximal to veining and in strong phyllic alterations. Hosts three significant quartz/carbonate/sulphide veins along with multiple smaller quartz/sulphide veinlets and stringers throughout the interval. Minor gouge alteration present in a few veins. Chalcopyrite is present in most significant veining in this interval.							
									POT	2I		
						LT	WH		ARG	3I		
						DK	GN		ARG	2I		
						MD	GN	PA	PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						MD	PK		PRO	2I		
268.49	279.59	11.10	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Hosts multiple phyllic envelopes around quartz/carbonate +/- sulphide veining.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
279.59	282.07	2.48	GRD	MG	Vein zone comprised of moderate to strongly phyllic altered granodiorite with minor patches of argillic/potassic/propyllitic alteration occurring distally from veining. Zone hosts disseminated pyrite proximal to veining and in strong phyllic alterations. Hosts two significant quartz/carbonate/sulphide veins along with a few smaller quartz/sulphide veinlets and stringers throughout the interval. Chalcopyrite is present in all significant veining in this interval.							
									POT	2I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
						LT	GN	EN	PHC	3I	Py	0.1
						MD	GN	PA	PHC	4I		
282.07	311.13	29.06	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						LT	GY		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
311.13	315.29	4.16	GRD	MG	Vein zone comprised of strongly phyllic altered granodiorite. Zone hosts disseminated pyrite. Hosts three significant quartz/carbonate/sulphide veins along with a high abundance smaller quartz/sulphide veinlets and stringers throughout the interval. Chalcopyrite is present in significant veining in this interval.							
						LT	GY		SID	3I		
						LT	WH					
						LT	GN	EN	PHC	4I	Py	3
315.29	316.07	0.78	GRD	MG	Moderately propyllitic and weakly potassic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.70	4.70	0	0	0.00	0	--	--	--	
4.70	8.23	3.53	3.2	91	0.83	24	--	1H	4W	
8.23	11.28	3.05	2.3	75	0.19	6	--	1H	4W	
11.28	14.33	3.05	2.05	67	0.31	10	--	2H	4W	
14.33	17.37	3.04	2.58	85	0.78	26	--	2H	4W	
17.37	20.42	3.05	2.61	86	0.51	17	--	3H	4W	
20.42	23.47	3.05	1.73	57	0.00	0	--	2H	4W	
23.47	26.52	3.05	1.75	57	0.31	10	--	2H	4W	
26.52	29.57	3.05	2.5	82	1.17	38	--	2H	3W	
29.57	32.61	3.04	1.87	62	0.00	0	--	2H	3W	
32.61	35.66	3.05	2.67	88	0.71	23	--	2H	3W	
35.66	38.71	3.05	2.52	83	0.70	23	--	2H	3W	
38.71	41.76	3.05	3.04	100	2.03	67	--	3H	2W	
41.76	44.81	3.05	2.42	79	1.62	53	--	4H	2W	
44.81	47.85	3.04	2.34	77	1.16	38	--	2H	4W	
47.85	50.90	3.05	2.32	76	0.97	32	--	2H	4W	
50.90	53.95	3.05	2.82	92	1.08	35	--	3H	3W	
53.95	57.00	3.05	2.82	92	2.10	69	--	4H	2W	
57.00	60.05	3.05	2.87	94	2.47	81	--	4H	1W	
60.05	63.09	3.04	2.95	97	1.60	53	--	3H	2W	
63.09	66.14	3.05	2.81	92	1.73	57	--	3H	2W	
66.14	69.19	3.05	2.9	95	1.94	64	--	3H	1W	
69.19	72.24	3.05	3.05	100	2.14	70	--	3H	1W	
72.24	75.29	3.05	2.91	95	1.87	61	--	3H	1W	
75.29	78.33	3.04	3.02	99	2.76	91	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.38	78	--	4H	1W	
81.38	84.43	3.05	2.99	98	2.62	86	--	3H	1W	
84.43	87.48	3.05	2.84	93	1.56	51	--	4H	1W	
87.48	90.53	3.05	3.03	99	2.44	80	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.89	95	2.27	75	--	4H	1W	
93.57	96.62	3.05	2.95	97	2.30	75	--	3H	1W	
96.62	99.67	3.05	3	98	2.70	89	--	4H	1W	
99.67	102.72	3.05	2.92	96	2.58	85	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.42	79	--	4H	1W	
105.77	108.81	3.04	2.98	98	2.82	93	--	3H	1W	
108.81	111.86	3.05	3	98	2.67	88	--	3H	1W	
111.86	114.91	3.05	2.98	98	2.71	89	--	4H	1W	
114.91	117.96	3.05	2.75	90	2.40	79	--	3H	1W	
117.96	121.01	3.05	3.05	100	2.56	84	--	3H	1W	
121.01	124.05	3.04	2.87	94	2.50	82	--	3H	1W	
124.05	127.10	3.05	2.95	97	2.27	74	--	1H	1W	
127.10	130.15	3.05	2.94	96	1.59	52	--	1H	1W	
130.15	133.20	3.05	2.96	97	2.35	77	--	3H	1W	
133.20	136.25	3.05	3.03	99	2.70	89	--	2H	1W	
136.25	139.29	3.04	2.94	97	1.53	50	--	1H	1W	
139.29	142.34	3.05	3.02	99	1.83	60	--	1H	1W	
142.34	145.39	3.05	3.04	100	2.35	77	--	1H	1W	
145.39	148.44	3.05	3.05	100	2.53	83	--	4H	1W	
148.44	151.49	3.05	3.05	100	2.89	95	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.86	94	--	4H	1W	
154.53	157.58	3.05	2.98	98	2.63	86	--	4H	1W	
157.58	160.63	3.05	2.56	84	2.16	71	--	4H	1W	
160.63	163.68	3.05	2.63	86	1.59	52	--	4H	1W	
163.68	166.73	3.05	2.84	93	1.79	59	--	4H	1W	
166.73	169.77	3.04	3.04	100	1.97	65	--	3H	1W	
169.77	172.82	3.05	3	98	2.25	74	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.68	88	--	4H	1W	
175.87	178.92	3.05	2.95	97	2.49	82	--	4H	1W	
178.92	181.97	3.05	2.86	94	1.56	51	--	3H	1W	
181.97	185.01	3.04	2.85	94	2.43	80	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	2.98	98	2.58	85	--	3H	1W	
188.06	191.11	3.05	2.94	96	1.65	54	--	3H	1W	
191.11	194.16	3.05	3	98	1.80	59	--	3H	1W	
194.16	197.21	3.05	2.64	87	1.50	49	--	3H	1W	
197.21	200.25	3.04	2.93	96	1.35	44	--	3H	1W	
200.25	203.30	3.05	1.35	44	0.66	22	--	3H	1W	Joint set intersect in a wedge
203.30	206.35	3.05	2.78	91	2.17	71	--	3H	1W	
206.35	209.40	3.05	2.5	82	1.92	63	--	3H	1W	
209.40	212.45	3.05	2.93	96	2.28	75	--	4H	1W	
212.45	215.49	3.04	2.63	87	1.99	65	--	4H	1W	
215.49	218.54	3.05	2.94	96	2.04	67	--	3H	1W	
218.54	221.59	3.05	2.82	92	2.11	69	--	2H	1W	
221.59	224.64	3.05	3.05	100	3.00	98	--	4H	1W	
224.64	227.69	3.05	3.03	99	2.48	81	--	4H	1W	
227.69	230.73	3.04	2.93	96	2.83	93	--	4H	1W	
230.73	233.78	3.05	2.9	95	1.94	64	--	4H	1W	
233.78	236.83	3.05	3	98	2.20	72	--	4H	1W	
236.83	239.88	3.05	3.02	99	2.47	81	--	4H	1W	
239.88	242.93	3.05	2.82	92	2.11	69	--	3H	1W	
242.93	245.97	3.04	3.02	99	2.26	74	--	4H	1W	
245.97	249.02	3.05	2.99	98	2.38	78	--	4H	1W	
249.02	252.07	3.05	2.92	96	2.12	70	--	4H	1W	
252.07	255.12	3.05	2.71	89	1.43	47	--	4H	1W	
255.12	258.17	3.05	2.36	77	0.92	30	--	2H	1W	Fault gouge zone
258.17	261.21	3.04	2.92	96	1.10	36	--	3H	1W	
261.21	264.26	3.05	2.87	94	1.50	49	--	3H	1W	
264.26	267.31	3.05	2.97	97	2.69	88	--	3H	1W	
267.31	270.36	3.05	3.03	99	2.40	79	--	3H	1W	
270.36	273.41	3.05	2.98	98	2.13	70	--	3H	1W	
273.41	276.45	3.04	3.03	100	2.35	77	--	3H	1W	
276.45	279.50	3.05	2.97	97	2.52	83	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	2.89	95	2.30	75	--	3H	1W	
282.55	285.60	3.05	3.05	100	2.75	90	--	4H	1W	
285.60	288.65	3.05	2.78	91	2.39	78	--	4H	1W	
288.65	291.69	3.04	3	99	2.62	86	--	4H	1W	
291.69	294.74	3.05	3.03	99	2.82	92	--	4H	1W	
294.74	297.79	3.05	3.02	99	2.22	73	--	4H	1W	
297.79	300.84	3.05	3.05	100	2.97	97	--	4H	1W	
300.84	303.89	3.05	3.05	100	2.85	93	--	4H	1W	
303.89	306.93	3.04	3.04	100	2.54	84	--	4H	1W	
306.93	309.98	3.05	3.05	100	2.62	86	--	4H	1W	
309.98	313.03	3.05	3.05	100	3.01	99	--	4H	1W	
313.03	316.07	3.04	3	99	2.19	72	--	2H	1W	EOH KL-16-300

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	
2	0	OVB	
3	0	OVB	
4	0	OVB	
5	12.2	OVB	
6	14	GRD	
7	21.3	GRD	
8	21.6	GRD	
9	0.594	GRD	
10	17.5	GRD	
11	0.88	GRD	
12	0.133	GRD	
13	0.226	GRD	
14	0.404	GRD	
15	0.205	GRD	
16	0.146	GRD	
17	0.157	GRD	
18	0.188	GRD	
19	0.186	GRD	
20	0.126	GRD	
21	0.123	GRD	
22	0.359	GRD	
23	0.165	GRD	
24	0.321	GRD	
25	0.443	GRD	
26	0.354	GRD	
27	0.52	GRD	
28	2.52	GRD	
29	0.367	GRD	
30	0.177	GRD	
31	0.203	GRD	
32	0.24	GRD	
33	0.35	GRD	
34	0.3	GRD	
35	0.422	GRD	
36	0.245	GRD	
37	0.339	GRD	
38	0.217	GRD	
39	0.373	GRD	
40	5.92	GRD	
41	14.74	GRD	
42	19.6	GRD	
43	14.9	GRD	
44	38.5	GRD	
45	0.599	GRD	
46	1.37	GRD	
47	0.229	GRD	
48	0.058	GRD	
49	0.138	GRD	
50	0.224	GRD	
51	0.319	GRD	
52	0.463	GRD	
53	3.51	GRD	
54	1.86	GRD	
55	5.75	GRD	
55	5.75	GRD	
56	0.252	GRD	
57	3.52	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.52	GRD	
59	8.3	GRD	
60	0.108	GRD	
61	0.058	GRD	
62	0.298	GRD	
63	0.205	GRD	
64	0.264	GRD	
65	0.158	GRD	
66	0.455	GRD	
67	0.26	GRD	
68	0.345	GRD	
69	0.289	GRD	
70	0.202	GRD	
71	0.361	GRD	
72	0.382	GRD	
73	0.51	GRD	
74	0.31	GRD	
75	0.653	GRD	
76	14.3	GRD	
77	31.6	GRD	
78	0.798	GRD	
79	0.338	GRD	
80	3.65	GRD	
81	0.326	GRD	
82	0.463	GRD	
83	1.42	GRD	
84	0.45	GRD	
85	3.14	GRD	
86	0.344	GRD	
87	0.42	GRD	
88	0.217	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.523	GRD	
90	6.87	GRD	
91	0.206	GRD	
92	0.135	GRD	
93	0.293	GRD	
94	2.98	GRD	
95	0.473	GRD	
96	0.267	GRD	
97	0.292	GRD	
98	0.91	GRD	
99	27.6	GRD	
100	31.4	GRD	
101	24.6	GRD	
102	0.606	GRD	
103	1.51	GRD	
104	0.231	GRD	
105	0.329	GRD	
106	0.238	GRD	
107	12	GRD	
108	24.8	GRD	
109	4.03	GRD	
110	0.4	GRD	
111	1.96	GRD	
112	21	GRD	
113	20.5	GRD	
114	5.99	GRD	
115	21.8	GRD	
116	0.503	GRD	
117	2.41	GRD	
118	0.415	GRD	
119	0.311	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	0.213	GRD	
121	0.44	GRD	
122	0.324	GRD	
123	16.5	GRD	
124	0.504	GRD	
125	0.443	GRD	
126	10.4	GRD	
127	0.868	GRD	
128	14.2	GRD	
129	0.174	GRD	
130	0.108	GRD	
131	0.17	GRD	
132	23.6	GRD	
133	30.5	GRD	
134	34	GRD	
135	11.6	GRD	
136	0.553	GRD	
137	47.5	GRD	
138	38.3	GRD	
139	19.1	GRD	
140	0.942	GRD	
141	41.5	GRD	
142	17.8	GRD	
143	39.2	GRD	
144	0.546	GRD	
145	19.5	GRD	
146	1.84	GRD	
147	20.6	GRD	
148	18.4	GRD	
149	31.4	GRD	
150	32.5	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	0.381	GRD	
152	11.7	GRD	
153	33.5	GRD	
154	18	GRD	
155	12.9	GRD	
156	0.468	GRD	
157	0.373	GRD	
158	1.13	GRD	
159	5.44	GRD	
160	0.36	GRD	
161	0.325	GRD	
162	36.5	GRD	
163	9.4	GRD	
164	1.28	GRD	
165	0.161	GRD	
166	9.53	GRD	
167	7.77	GRD	
168	0.115	GRD	
169	0.142	GRD	
170	0.154	GRD	
171	0.2	GRD	
172	0.214	GRD	
173	0.196	GRD	
174	0.147	GRD	
175	4.16	GRD	
176	0.336	GRD	
177	2.51	GRD	
178	0.242	GRD	
179	0.39	GRD	
180	0.303	GRD	
181	0.407	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	0.736	GRD	
183	0.37	GRD	
184	0.369	GRD	
185	0.549	GRD	
186	0.082	GRD	
187	0.482	GRD	
188	0.78	GRD	
189	17.5	GRD	
190	27.3	GRD	
191	0.212	GRD	
192	11.8	GRD	
193	13.2	GRD	
194	10.7	GRD	
195	0.401	GRD	
196	0.362	QFP	
197	0.206	QFP	
198	0.567	QFP	
199	0.308	QFP	
200	0.46	QFP	
201	0.465	QFP	
202	0.711	QFP	
203	0.265	GRD	
204	0.411	GRD	
205	0.407	GRD	
206	0.187	GRD	
207	0.181	GRD	
208	25.8	GRD	
209	8.83	GRD	
210	21.9	GRD	
211	22.8	GRD	
212	30.6	GRD	
213	25.7	GRD	
214	29.9	GRD	
215	15.1	GRD	
216	17	GRD	
217	0.313	GRD	
218	0.22	GRD	
219	5.7	GRD	
220	0.196	GRD	
221	0.465	GRD	
222	0.457	GRD	
223	12.3	GRD	
224	31.6	GRD	
225	0.166	GRD	
226	20.3	GRD	
227	0.173	GRD	
228	0.438	GRD	
229	15.2	GRD	
230	14.3	GRD	
231	0.345	GRD	
232	14.5	GRD	
233	2.05	GRD	
234	5.91	GRD	
235	17.1	GRD	
236	0.305	GRD	
237	8.5	GRD	
238	31.6	GRD	
239	35.4	GRD	
240	0.45	GRD	
241	25	GRD	
242	13.3	GRD	
243	29.8	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
244	0.566	GRD	
245	25.5	GRD	
246	31.8	GRD	
247	27	GRD	
248	21.3	GRD	
249	10.1	GRD	
250	9.88	GRD	
251	0.493	GRD	
252	0.138	GRD	
253	0.234	GRD	
254	0.309	GRD	
255	3.1	GRD	
256	0.375	GRD	
257	0.33	GRD	
258	0.3	GRD	
259	0.143	GRD	
260	0.333	GRD	
261	0.293	GRD	
262	0.123	GRD	
263	0.116	GRD	
264	0.167	GRD	
265	0.096	GRD	
266	0.479	GRD	
267	0.401	GRD	
268	0.118	GRD	
269	0.267	GRD	
270	1.18	GRD	
271	0.282	GRD	
272	0.209	GRD	
273	0.297	GRD	
274	0.217	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
275	0.262	GRD	
276	6	GRD	
277	7.72	GRD	
278	1.77	GRD	
279	12.3	GRD	
280	0.296	GRD	
281	0.155	GRD	
282	0.375	GRD	
283	5.17	GRD	
284	0.314	GRD	
285	4.49	GRD	
286	14.4	GRD	
288	29	GRD	
289	7.4	GRD	
290	35.3	GRD	
291	19.7	GRD	
292	28.9	GRD	
293	4.01	GRD	
294	4.7	GRD	
295	47.2	GRD	
296	27.5	GRD	
297	29.2	GRD	
298	26.1	GRD	
299	0.917	GRD	
300	0.231	GRD	
301	0.363	GRD	
302	0.183	GRD	
303	40	GRD	
304	8.69	GRD	
305	9.21	GRD	
306	0.734	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
307	20.6	GRD	
308	1.22	GRD	
309	0.639	GRD	
310	22	GRD	
311	4.87	GRD	
312	0.47	GRD	
313	0.256	GRD	
314	0.155	GRD	
315	0.3	GRD	
316	0.853	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292240	☐	16-012		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292709	☐	16-003		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292308	☐	16-015			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292304	☐	16-015		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292292	☐	16-013			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292281	☐	16-013			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292277	☐	16-013		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292268	☐	16-013		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292158	☐	16-010		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292247	☐	16-012			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292229	☐	16-012			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292216	☐	16-011		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292206	☐	16-011			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292200	☐	16-011		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292194	☐	16-011			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292181	☐	16-010			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292178	☐	16-010		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292162	☐	16-010			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292252	☐	16-012		KL-STD5	☐	☐	☐
32.00	33.43	1.43	GRD	1.27	89	K292156	☐	16-010			☐	☐	☐
33.43	35.17	1.74	GRD	1.44	83	K292157	☐	16-010			☐	☐	☐
35.17	36.90	1.73	GRD	1.38	80	K292159	☐	16-010			☐	☐	☐
36.90	37.50	0.60	GRD	0.54	90	K292160	☐	16-010			☐	☐	☐
37.50	38.05	0.55	GRD	0.55	100	K292161	☐	16-010			☐	☐	☐
38.05	38.55	0.50	GRD	0.50	100	K292163	☐	16-010			☐	☐	☐
38.55	39.62	1.07	GRD	1.04	97	K292164	☐	16-010			☐	☐	☐
44.81	45.68	0.87	GRD	0.87	100	K292165	☐	16-010			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
45.68	46.64	0.96	GRD	0.92	96	K292166	☐	16-010			☐	☐	☐
45.68	46.64	0.96	GRD	0.92	96	K292167	☐	16-010			☐	☑	☐
46.64	47.83	1.19	GRD	0.66	55	K292168	☐	16-010			☐	☐	☐
47.83	48.52	0.69	GRD	0.49	71	K292710	☐	16-003			☐	☐	☐
48.52	49.92	1.40	GRD	0.66	47	K292169	☐	16-010			☐	☐	☐
49.92	50.53	0.61	GRD	0.61	100	K292170	☐	16-010			☐	☐	☐
50.53	51.75	1.22	GRD	1.15	94	K292171	☐	16-010			☐	☐	☐
51.75	52.97	1.22	GRD	1.12	92	K292172	☐	16-010			☐	☐	☐
51.75	52.97	1.22	GRD	1.12	92	K292173	☐	16-010			☐	☐	☑
52.97	53.59	0.62	GRD	0.54	87	K292711	☐	16-003			☐	☐	☐
53.59	54.11	0.52	GRD	0.50	96	K292174	☐	16-010			☐	☐	☐
54.11	54.66	0.55	GRD	0.55	100	K292175	☐	16-010			☐	☐	☐
54.66	55.28	0.62	GRD	0.60	97	K292176	☐	16-010			☐	☐	☐
55.28	57.00	1.72	GRD	1.72	100	K292177	☐	16-010			☐	☐	☐
57.00	59.82	2.82	GRD	2.82	100	K292179	☐	16-010			☐	☐	☐
59.82	62.09	2.27	GRD	2.10	93	K292180	☐	16-010			☐	☐	☐
62.09	62.52	0.43	GRD	0.43	100	K292182	☐	16-010			☐	☐	☐
62.52	63.18	0.66	GRD	0.61	92	K292183	☐	16-010			☐	☐	☐
63.18	64.42	1.24	GRD	1.16	94	K292712	☐	16-003			☐	☐	☐
64.42	65.16	0.74	GRD	0.59	80	K292184	☐	16-010			☐	☐	☐
65.16	65.75	0.59	GRD	0.53	90	K292185	☐	16-010			☐	☐	☐
65.75	66.36	0.61	GRD	0.59	97	K292186	☐	16-010			☐	☐	☐
66.36	67.00	0.64	GRD	0.64	100	K292187	☐	16-010			☐	☐	☐
67.00	69.19	2.19	GRD	2.14	98	K292188	☐	16-010			☐	☐	☐
69.19	72.24	3.05	GRD	3.05	100	K292189	☐	16-011			☐	☐	☐
93.86	94.38	0.52	GRD	0.51	98	K292190	☐	16-011			☐	☐	☐
94.38	94.86	0.48	GRD	0.48	100	K292191	☐	16-011			☐	☐	☐
94.86	95.36	0.50	GRD	0.50	100	K292192	☐	16-011			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
95.36	95.92	0.56	GRD	0.56	100	K292193	☐	16-011			☐	☐	☐
95.92	96.69	0.77	GRD	0.75	97	K292195	☐	16-011			☐	☐	☐
96.69	97.28	0.59	GRD	0.59	100	K292196	☐	16-011			☐	☐	☐
97.28	97.79	0.51	GRD	0.51	100	K292197	☐	16-011			☐	☐	☐
97.79	100.62	2.83	GRD	2.82	100	K292198	☐	16-011			☐	☐	☐
100.62	103.20	2.58	GRD	2.44	95	K292199	☐	16-011			☐	☐	☐
103.20	103.69	0.49	GRD	0.49	100	K292201	☐	16-011			☐	☐	☐
103.69	104.28	0.59	GRD	0.58	98	K292202	☐	16-011			☐	☐	☐
104.28	104.79	0.51	GRD	0.51	100	K292203	☐	16-011			☐	☐	☐
104.79	105.79	1.00	GRD	1.00	100	K292204	☐	16-011			☐	☐	☐
105.79	106.25	0.46	GRD	0.46	100	K292205	☐	16-011			☐	☐	☐
106.25	106.75	0.50	GRD	0.50	100	K292207	☐	16-011			☐	☐	☐
106.75	107.31	0.56	GRD	0.56	100	K292208	☐	16-011			☐	☐	☐
107.31	108.00	0.69	GRD	0.69	100	K292209	☐	16-011			☐	☐	☐
127.50	128.01	0.51	GRD	0.51	100	K292210	☐	16-011			☐	☐	☐
128.01	128.63	0.62	GRD	0.53	85	K292211	☐	16-011			☐	☐	☐
128.01	128.63	0.62	GRD	0.53	85	K292212	☐	16-011			☐	☐	☑
128.63	129.13	0.50	GRD	0.50	100	K292213	☐	16-011			☐	☐	☐
129.13	129.75	0.62	GRD	0.62	100	K292715	☐	16-003			☐	☐	☐
129.75	130.29	0.54	GRD	0.54	100	K292214	☐	16-011			☐	☐	☐
130.29	131.15	0.86	GRD	0.86	100	K292215	☐	16-011			☐	☐	☐
131.15	131.65	0.50	GRD, GRD	0.50	100	K292217	☐	16-011			☐	☐	☐
154.69	155.20	0.51	GRD	0.51	100	K292218	☐	16-011			☐	☐	☐
155.20	155.71	0.51	GRD	0.51	100	K292219	☐	16-011			☐	☐	☐
155.71	156.21	0.50	GRD	0.50	100	K292220	☐	16-011			☐	☐	☐
155.71	156.21	0.50	GRD	0.50	100	K292221	☐	16-011			☐	☑	☐
156.21	156.80	0.59	GRD	0.59	100	K292222	☐	16-011			☐	☐	☐
156.80	157.30	0.50	GRD	0.50	100	K292223	☐	16-011			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
157.30	157.80	0.50	GRD	0.50	100	K292224	☐	16-011			☐	☐	☐
166.20	166.70	0.50	GRD	0.50	100	K292225	☐	16-012			☐	☐	☐
166.70	167.20	0.50	GRD	0.50	100	K292226	☐	16-012			☐	☐	☐
167.20	167.70	0.50	GRD	0.50	100	K292227	☐	16-012			☐	☐	☐
167.70	168.21	0.51	GRD	0.51	100	K292228	☐	16-012			☐	☐	☐
168.21	168.71	0.50	GRD	0.50	100	K292230	☐	16-012			☐	☐	☐
168.71	169.27	0.56	GRD	0.55	98	K292231	☐	16-012			☐	☐	☐
169.27	169.77	0.50	GRD	0.50	100	K292232	☐	16-012			☐	☐	☐
175.87	176.41	0.54	GRD	0.54	100	K292233	☐	16-012			☐	☐	☐
176.41	176.95	0.54	GRD	0.54	100	K292234	☐	16-012			☐	☐	☐
176.95	177.45	0.50	GRD	0.50	100	K292235	☐	16-012			☐	☐	☐
176.95	177.45	0.50	GRD	0.50	100	K292236	☐	16-012			☐	☑	☐
177.45	178.04	0.59	GRD	0.59	100	K292716	☐	16-003			☐	☐	☐
178.04	178.92	0.88	GRD	0.87	99	K292717	☐	16-003			☐	☐	☐
178.04	178.92	0.88	GRD	0.87	99	K292718	☐	16-003			☐	☐	☑
178.92	179.74	0.82	GRD	0.82	100	K292237	☐	16-012			☐	☐	☐
179.74	180.22	0.48	GRD	0.48	100	K292238	☐	16-012			☐	☐	☐
180.22	181.97	1.75	GRD	1.61	92	K292239	☐	16-012			☐	☐	☐
181.97	183.99	2.02	GRD	2.02	100	K292241	☐	16-012			☐	☐	☐
183.99	184.49	0.50	GRD	0.50	100	K292242	☐	16-012			☐	☐	☐
184.49	184.99	0.50	GRD	0.50	100	K292243	☐	16-012			☐	☐	☐
184.99	185.49	0.50	GRD	0.50	100	K292244	☐	16-012			☐	☐	☐
184.99	185.49	0.50	GRD	0.50	100	K292245	☐	16-012			☐	☐	☑
185.49	185.98	0.49	GRD	0.47	96	K292719	☐	16-003			☐	☐	☐
185.98	186.48	0.50	GRD	0.50	100	K292246	☐	16-012			☐	☐	☐
186.48	186.99	0.51	GRD	0.50	98	K292248	☐	16-012			☐	☐	☐
186.99	187.50	0.51	GRD	0.50	98	K292249	☐	16-012			☐	☐	☐
187.50	188.54	1.04	GRD	1.01	97	K292250	☐	16-012			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
204.12	205.09	0.97	GRD	0.97	100	K292251	☐	16-012			☐	☐	☐
205.09	205.63	0.54	GRD	0.54	100	K292253	☐	16-012			☐	☐	☐
205.63	206.13	0.50	GRD	0.50	100	K292254	☐	16-012			☐	☐	☐
206.13	206.65	0.52	GRD	0.52	100	K292255	☐	16-012			☐	☐	☐
206.65	207.15	0.50	GRD	0.50	100	K292256	☐	16-012			☐	☐	☐
207.15	207.65	0.50	GRD	0.50	100	K292257	☐	16-012			☐	☐	☐
225.53	226.06	0.53	GRD	0.52	98	K292258	☐	16-012			☐	☐	☐
226.06	226.59	0.53	GRD	0.53	100	K292259	☐	16-012			☐	☐	☐
226.59	227.09	0.50	GRD	0.50	100	K292260	☐	16-012			☐	☐	☐
227.09	227.64	0.55	GRD	0.53	96	K292261	☐	16-013			☐	☐	☐
227.64	228.16	0.52	GRD	0.52	100	K292262	☐	16-013			☐	☐	☐
228.16	228.71	0.55	GRD	0.55	100	K292263	☐	16-013			☐	☐	☐
228.16	228.71	0.55	GRD	0.55	100	K292264	☐	16-013			☐	☑	☐
228.71	229.28	0.57	GRD	0.57	100	K292265	☐	16-013			☐	☐	☐
252.18	253.01	0.83	GRD	0.81	98	K292266	☐	16-013			☐	☐	☐
253.01	255.12	2.11	GRD	2.03	96	K292267	☐	16-013			☐	☐	☐
255.12	255.72	0.60	GRD	0.60	100	K292269	☐	16-013			☐	☐	☐
255.72	256.52	0.80	GRD	0.70	88	K292270	☐	16-013			☐	☐	☐
256.52	257.89	1.37	GRD	1.22	89	K292271	☐	16-013			☐	☐	☐
257.89	258.53	0.64	GRD	0.64	100	K292272	☐	16-013			☐	☐	☐
258.53	258.89	0.36	GRD	0.36	100	K292720	☐	16-003			☐	☐	☐
258.89	259.39	0.50	GRD	0.50	100	K292273	☐	16-013			☐	☐	☐
259.39	260.47	1.08	GRD	1.06	98	K292274	☐	16-013			☐	☐	☐
260.47	260.98	0.51	GRD	0.50	98	K292275	☐	16-013			☐	☐	☐
260.98	262.03	1.05	GRD	0.99	94	K292276	☐	16-013			☐	☐	☐
262.03	262.71	0.68	GRD	0.62	91	K292278	☐	16-013			☐	☐	☐
262.71	263.21	0.50	GRD	0.50	100	K292279	☐	16-013			☐	☐	☐
263.21	263.80	0.59	GRD	0.59	100	K292280	☐	16-013			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
263.80	264.66	0.86	GRD	0.85	99	K292282	☐	16-013			☐	☐	☐
264.66	265.88	1.22	GRD	1.18	97	K292283	☐	16-013			☐	☐	☐
265.88	266.41	0.53	GRD	0.53	100	K292284	☐	16-013			☐	☐	☐
266.41	266.93	0.52	GRD	0.50	96	K292285	☐	16-013			☐	☐	☐
279.08	279.60	0.52	GRD	0.51	98	K292286	☐	16-013			☐	☐	☐
279.60	280.11	0.51	GRD	0.51	100	K292287	☐	16-013			☐	☐	☐
280.11	280.64	0.53	GRD	0.52	98	K292288	☐	16-013			☐	☐	☐
280.64	281.26	0.62	GRD	0.62	100	K292289	☐	16-013			☐	☐	☐
280.64	281.26	0.62	GRD	0.62	100	K292290	☐	16-013			☐	☐	☑
281.26	281.60	0.34	GRD	0.34	100	K292721	☐	16-003			☐	☐	☐
281.60	281.91	0.31	GRD	0.30	97	K292722	☐	16-003			☐	☐	☐
281.60	281.91	0.31	GRD	0.30	97	K292723	☐	16-003			☐	☐	☑
281.91	282.55	0.64	GRD	0.52	81	K292291	☐	16-013			☐	☐	☐
282.55	283.05	0.50	GRD	0.50	100	K292293	☐	16-013			☐	☐	☐
283.05	283.55	0.50	GRD	0.50	100	K292294	☐	16-013			☐	☐	☐
297.70	298.23	0.53	GRD	0.51	96	K292295	☐	16-013			☐	☐	☐
298.23	298.73	0.50	GRD	0.50	100	K292296	☐	16-013			☐	☐	☐
298.73	299.23	0.50	GRD	0.50	100	K292297	☐	16-015			☐	☐	☐
299.23	299.78	0.55	GRD	0.55	100	K292298	☐	16-015			☐	☐	☐
299.78	300.72	0.94	GRD	0.94	100	K292299	☐	16-015			☐	☐	☐
300.72	301.25	0.53	GRD	0.51	96	K292300	☐	16-015			☐	☐	☐
301.25	301.76	0.51	GRD	0.51	100	K292301	☐	16-015			☐	☐	☐
301.76	302.26	0.50	GRD	0.50	100	K292302	☐	16-015			☐	☐	☐
309.74	310.24	0.50	GRD	0.50	100	K292303	☐	16-015			☐	☐	☐
310.24	310.75	0.51	GRD	0.51	100	K292305	☐	16-015			☐	☐	☐
310.75	311.27	0.52	GRD	0.51	98	K292306	☐	16-015			☐	☐	☐
311.27	311.81	0.54	GRD	0.54	100	K292307	☐	16-015			☐	☐	☐
311.81	312.31	0.50	GRD	0.50	100	K292309	☐	16-015			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
312.31	313.03	0.72	GRD	0.72	100	K292724	☐	16-003			☐	☐	☐
313.03	313.93	0.90	GRD	0.90	100	K292725	☐	16-003			☐	☐	☐
313.93	314.69	0.76	GRD	0.75	99	K292310	☐	16-015			☐	☐	☐
314.69	315.10	0.41	GRD	0.40	98	K292311	☐	16-015			☐	☐	☐
315.10	315.52	0.42	GRD	0.42	100	K292312	☐	16-015			☐	☐	☐
315.52	316.07	0.55	GRD	0.55	100	K292313	☐	16-015			☐	☐	☐
315.52	316.07	0.55	GRD	0.55	100	K292314	☐	16-015			☐	☑	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	32.00			☐	☐	☐	☐	
16-010	K292158	0.00	0.00	0.89	920	☐	☐	☐	☑ KL-STD5	
16-010	K292162	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-010	K292178	0.00	0.00	0.33	390	☐	☐	☐	☑ KL-STD4	
16-010	K292181	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-011	K292194	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-011	K292200	0.00	0.00	0.86	1270	☐	☐	☐	☑ KL-STD5	
16-011	K292206	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-011	K292216	0.00	0.00	0.36	440	☐	☐	☐	☑ KL-STD4	
16-003	K292709	0.00	0.00	1.66	100	☐	☐	☐	☑ KL-STD6	
16-013	K292268	0.00	0.00	0.88	650	☐	☐	☐	☑ KL-STD5	
16-013	K292277	0.00	0.00	0.37	590	☐	☐	☐	☑ KL-STD4	
16-013	K292281	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-013	K292292	0.00	0.00	0.00	80	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-015	K292304	0.00	0.00	0.34	330	☐	☐	☐	☑ KL-STD4	
16-015	K292308	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-012	K292229	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-012	K292240	0.00	0.00	0.38	660	☐	☐	☐	☑ KL-STD4	
16-012	K292247	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-012	K292252	0.00	0.00	0.91	220	☐	☐	☐	☑ KL-STD5	
16-010	K292156	32.00	33.43	1.01	330	☐	☐	☐	☐	
16-010	K292157	33.43	35.17	1.00	180	☐	☐	☐	☐	
16-010	K292159	35.17	36.90	0.34	220	☐	☐	☐	☐	
16-010	K292160	36.90	37.50	0.30	660	☐	☐	☐	☐	
16-010	K292161	37.50	38.05	2.11	940	☐	☐	☐	☐	
16-010	K292163	38.05	38.55	0.13	1370	☐	☐	☐	☐	
16-010	K292164	38.55	39.62	0.11	1590	☐	☐	☐	☐	
		39.62	44.81			☐	☐	☐	☐	
16-010	K292165	44.81	45.68	0.11	2470	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-010	K292166	45.68	46.64	0.05	1990	☐	☐	☐	☐	
16-010	K292167	45.68	46.64	0.06	2080	☑	☐	☐	☐	
16-010	K292168	46.64	47.83	0.17	340	☐	☐	☐	☐	
16-003	K292710	47.83	48.52	0.65	70	☐	☐	☐	☐	
16-010	K292169	48.52	49.92	0.12	950	☐	☐	☐	☐	
16-010	K292170	49.92	50.53	0.04	950	☐	☐	☐	☐	
16-010	K292171	50.53	51.75	0.13	820	☐	☐	☐	☐	
16-010	K292172	51.75	52.97	0.04	1020	☐	☐	☐	☐	
16-010	K292173	51.75	52.97	0.05	1020	☐	☑	☐	☐	
16-003	K292711	52.97	53.59	1.75	320	☐	☐	☐	☐	
16-010	K292174	53.59	54.11	0.09	840	☐	☐	☐	☐	
16-010	K292175	54.11	54.66	0.05	2400	☐	☐	☐	☐	
16-010	K292176	54.66	55.28	0.20	2200	☐	☐	☐	☐	
16-010	K292177	55.28	57.00	0.12	2170	☐	☐	☐	☐	
16-010	K292179	57.00	59.82	0.11	1920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-010	K292180	59.82	62.09	0.09	1190	☐	☐	☐	☐	
16-010	K292182	62.09	62.52	0.08	740	☐	☐	☐	☐	
16-010	K292183	62.52	63.18	0.07	1280	☐	☐	☐	☐	
16-003	K292712	63.18	64.42	0.67	190	☐	☐	☐	☐	
16-010	K292184	64.42	65.16	0.46	120	☐	☐	☐	☐	
16-010	K292185	65.16	65.75	0.14	530	☐	☐	☐	☐	
16-010	K292186	65.75	66.36	0.13	2200	☐	☐	☐	☐	
16-010	K292187	66.36	67.00	0.08	810	☐	☐	☐	☐	
16-010	K292188	67.00	69.19	0.53	790	☐	☐	☐	☐	
16-011	K292189	69.19	72.24	0.13	690	☐	☐	☐	☐	
		72.24	93.86			☐	☐	☐	☐	
16-011	K292190	93.86	94.38	0.01	2280	☐	☐	☐	☐	
16-011	K292191	94.38	94.86	0.03	2160	☐	☐	☐	☐	
16-011	K292192	94.86	95.36	0.09	2610	☐	☐	☐	☐	
16-011	K292193	95.36	95.92	0.30	1020	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-011	K292195	95.92	96.69	0.02	1370	☐	☐	☐	☐	
16-011	K292196	96.69	97.28	0.18	510	☐	☐	☐	☐	
16-011	K292197	97.28	97.79	0.01	1670	☐	☐	☐	☐	
16-011	K292198	97.79	100.62	0.01	2400	☐	☐	☐	☐	
16-011	K292199	100.62	103.20	0.01	1940	☐	☐	☐	☐	
16-011	K292201	103.20	103.69	0.01	2980	☐	☐	☐	☐	
16-011	K292202	103.69	104.28	0.09	1130	☐	☐	☐	☐	
16-011	K292203	104.28	104.79	0.56	440	☐	☐	☐	☐	
16-011	K292204	104.79	105.79	0.05	1240	☐	☐	☐	☐	
16-011	K292205	105.79	106.25	0.30	680	☐	☐	☐	☐	
16-011	K292207	106.25	106.75	0.02	2060	☐	☐	☐	☐	
16-011	K292208	106.75	107.31	0.01	2300	☐	☐	☐	☐	
16-011	K292209	107.31	108.00	0.06	2380	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-011	K292210	127.50	128.01	0.02	1980	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-011	K292211	128.01	128.63	0.05	2050	☐	☐	☐	☐	
16-011	K292212	128.01	128.63	0.04	1980	☐	☑	☐	☐	
16-011	K292213	128.63	129.13	0.04	750	☐	☐	☐	☐	
16-003	K292715	129.13	129.75	0.21	50	☐	☐	☐	☐	
16-011	K292214	129.75	130.29	0.07	510	☐	☐	☐	☐	
16-011	K292215	130.29	131.15	0.05	1370	☐	☐	☐	☐	
16-011	K292217	131.15	131.65	0.01	2130	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-011	K292218	154.69	155.20	0.01	2120	☐	☐	☐	☐	
16-011	K292219	155.20	155.71	0.06	1910	☐	☐	☐	☐	
16-011	K292220	155.71	156.21	0.08	1750	☐	☐	☐	☐	
16-011	K292221	155.71	156.21	0.33	330	☑	☐	☐	☐	
16-011	K292222	156.21	156.80	0.20	1170	☐	☐	☐	☐	
16-011	K292223	156.80	157.30	0.20	1170	☐	☐	☐	☐	
16-011	K292224	157.30	157.80	0.10	2180	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-012	K292225	166.20	166.70	0.02	2330	☐	☐	☐	☐	
16-012	K292226	166.70	167.20	0.02	2880	☐	☐	☐	☐	
16-012	K292227	167.20	167.70	0.05	1850	☐	☐	☐	☐	
16-012	K292228	167.70	168.21	0.55	350	☐	☐	☐	☐	
16-012	K292230	168.21	168.71	0.04	890	☐	☐	☐	☐	
16-012	K292231	168.71	169.27	0.03	1440	☐	☐	☐	☐	
16-012	K292232	169.27	169.77	0.04	1030	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-012	K292233	175.87	176.41	0.01	2300	☐	☐	☐	☐	
16-012	K292234	176.41	176.95	0.01	2440	☐	☐	☐	☐	
16-012	K292235	176.95	177.45	0.12	1150	☐	☐	☐	☐	
16-012	K292236	176.95	177.45	0.04	1570	☑	☐	☐	☐	
16-003	K292716	177.45	178.04	0.49	50	☐	☐	☐	☐	
16-003	K292717	178.04	178.92	0.54	450	☐	☐	☐	☐	
16-003	K292718	178.04	178.92	0.16	290	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-012	K292237	178.92	179.74	0.19	580	☐	☐	☐	☐	
16-012	K292238	179.74	180.22	0.50	560	☐	☐	☐	☐	
16-012	K292239	180.22	181.97	0.05	1710	☐	☐	☐	☐	
16-012	K292241	181.97	183.99	0.05	1920	☐	☐	☐	☐	
16-012	K292242	183.99	184.49	0.09	1940	☐	☐	☐	☐	
16-012	K292243	184.49	184.99	0.26	1770	☐	☐	☐	☐	
16-012	K292244	184.99	185.49	0.11	1100	☐	☐	☐	☐	
16-012	K292245	184.99	185.49	0.11	1100	☐	☑	☐	☐	
16-003	K292719	185.49	185.98	0.89	40	☐	☐	☐	☐	
16-012	K292246	185.98	186.48	0.05	270	☐	☐	☐	☐	
16-012	K292248	186.48	186.99	0.06	840	☐	☐	☐	☐	
16-012	K292249	186.99	187.50	0.08	1670	☐	☐	☐	☐	
16-012	K292250	187.50	188.54	0.09	1590	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-012	K292251	204.12	205.09	0.26	1020	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-012	K292253	205.09	205.63	0.10	2060	☐	☐	☐	☐	
16-012	K292254	205.63	206.13	0.05	2090	☐	☐	☐	☐	
16-012	K292255	206.13	206.65	0.90	330	☐	☐	☐	☐	
16-012	K292256	206.65	207.15	0.02	1370	☐	☐	☐	☐	
16-012	K292257	207.15	207.65	0.06	1480	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-012	K292258	225.53	226.06	0.01	2110	☐	☐	☐	☐	
16-012	K292259	226.06	226.59	0.02	2100	☐	☐	☐	☐	
16-012	K292260	226.59	227.09	0.08	980	☐	☐	☐	☐	
16-013	K292261	227.09	227.64	0.57	160	☐	☐	☐	☐	
16-013	K292262	227.64	228.16	0.09	1140	☐	☐	☐	☐	
16-013	K292263	228.16	228.71	0.07	1180	☐	☐	☐	☐	
16-013	K292264	228.16	228.71	0.06	1090	☑	☐	☐	☐	
16-013	K292265	228.71	229.28	0.03	2020	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-013	K292266	252.18	253.01	0.04	1010	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-013	K292267	253.01	255.12	0.05	1940	☐	☐	☐	☐	
16-013	K292269	255.12	255.72	0.73	1140	☐	☐	☐	☐	
16-013	K292270	255.72	256.52	0.90	840	☐	☐	☐	☐	
16-013	K292271	256.52	257.89	1.06	490	☐	☐	☐	☐	
16-013	K292272	257.89	258.53	2.05	900	☐	☐	☐	☐	
16-003	K292720	258.53	258.89	0.87	60	☐	☐	☐	☐	
16-013	K292273	258.89	259.39	1.25	380	☐	☐	☐	☐	
16-013	K292274	259.39	260.47	0.74	1300	☐	☐	☐	☐	
16-013	K292275	260.47	260.98	25.90	330	☐	☐	☐	☐	
16-013	K292276	260.98	262.03	0.09	1130	☐	☐	☐	☐	
16-013	K292278	262.03	262.71	0.18	980	☐	☐	☐	☐	
16-013	K292279	262.71	263.21	0.65	510	☐	☐	☐	☐	
16-013	K292280	263.21	263.80	2.93	1920	☐	☐	☐	☐	
16-013	K292282	263.80	264.66	0.21	590	☐	☐	☐	☐	
16-013	K292283	264.66	265.88	0.68	2000	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-013	K292284	265.88	266.41	0.15	1590	☐	☐	☐	☐	
16-013	K292285	266.41	266.93	0.06	1540	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-013	K292286	279.08	279.60	0.02	2310	☐	☐	☐	☐	
16-013	K292287	279.60	280.11	0.21	2250	☐	☐	☐	☐	
16-013	K292288	280.11	280.64	0.13	2000	☐	☐	☐	☐	
16-013	K292289	280.64	281.26	0.39	110	☐	☐	☐	☐	
16-013	K292290	280.64	281.26	0.32	220	☐	☑	☐	☐	
16-003	K292721	281.26	281.60	2.80	40	☐	☐	☐	☐	
16-003	K292722	281.60	281.91	2.11	270	☐	☐	☐	☐	
16-003	K292723	281.60	281.91	1.86	400	☐	☑	☐	☐	
16-013	K292291	281.91	282.55	0.08	2460	☐	☐	☐	☐	
16-013	K292293	282.55	283.05	0.21	2590	☐	☐	☐	☐	
16-013	K292294	283.05	283.55	0.45	1930	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-013	K292295	297.70	298.23	0.02	2410	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-013	K292296	298.23	298.73	0.21	2210	☐	☐	☐	☐	
16-015	K292297	298.73	299.23	0.05	1000	☐	☐	☐	☐	
16-015	K292298	299.23	299.78	0.33	140	☐	☐	☐	☐	
16-015	K292299	299.78	300.72	0.33	320	☐	☐	☐	☐	
16-015	K292300	300.72	301.25	0.19	530	☐	☐	☐	☐	
16-015	K292301	301.25	301.76	0.15	1840	☐	☐	☐	☐	
16-015	K292302	301.76	302.26	2.49	290	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-015	K292303	309.74	310.24	0.06	2620	☐	☐	☐	☐	
16-015	K292305	310.24	310.75	0.13	2060	☐	☐	☐	☐	
16-015	K292306	310.75	311.27	0.42	2020	☐	☐	☐	☐	
16-015	K292307	311.27	311.81	0.69	550	☐	☐	☐	☐	
16-015	K292309	311.81	312.31	3.94	410	☐	☐	☐	☐	
16-003	K292724	312.31	313.03	3.77	170	☐	☐	☐	☐	
16-003	K292725	313.03	313.93	0.31	250	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-015	K292310	313.93	314.69	1.38	260	☐	☐	☐	☐	
16-015	K292311	314.69	315.10	0.62	240	☐	☐	☐	☐	
16-015	K292312	315.10	315.52	0.13	2180	☐	☐	☐	☐	
16-015	K292313	315.52	316.07	0.17	2830	☐	☐	☐	☐	
16-015	K292314	315.52	316.07	0.28	2740	☑	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
24.95	25.00	VN	37	55	NUL	1	Grey oxidized intermixed grey quartz/white carbonate vein.			
33.57	33.58	VN	37	-	NUL	1	Oxidized and broken up grey quartz/pyrite vein.			
								Py	40	BL
37.77	37.91	VN	37	40	NUL	1	Strongly oxidized grey quartz vein hosting blebby to semi-massive pyrite.			
								Py	60	MA
48.20	48.23	VN	37	-	NUL	1	Oxidized rubbly grey quartz vein hosting blebby pyrite. Quartz vein is crosscut by a net of white carbonate stringers and veinlets.			
								Py	30	BL
48.28	48.48	VN	37	-	NUL	1	Strongly oxidized grey quartz vein hosting blebby pyrite. Vein is heavily brecciated by white carbonate.			
								Py	30	DI
53.17	53.40	VN	37	70	NUL	1	Moderate to strongly oxidized grey to dark grey quartz vein brecciated by white carbonate veinlets and stringers. Hosts disseminated to blebby pyrite.			
								Py	20	BL
57.81	57.82	VN	37	20	NUL	1	Grey quartz veinlet hosting blebby pyrite.			
								Py	50	BL
62.40	65.60	ST		70	NUL	18	Eighteen quartz/pyrite stringers			
								Py	60	DI
63.25	63.36	VN	37	50	NUL	1	Strongly oxidized grey to dark grey quartz vein hosting blebby pyrite. Vein is minorly brecciated by white carbonate.			
								Py	30	BL
63.65	64.24	VB	37	80	NUL	1	Grey to dark grey quartz veining and silicified phyllic granodiorite are heavily brecciated by white carbonate. Quartz host disseminated to blebby pyrite and carbonate hosts trace disseminated galena			
								Gn	0.1	DI
								Py	20	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
64.30	64.38	VB	37	70	NUL	1	Oxidized white carbonate brecciating silicified phyllic altered granodiorite. Granodiorite hosts disseminated to blebby pyrite and carbonate hosts trace disseminated galena and blackjack sphalerite. Blebby pyrite along upper and lower selvedges.			
								Gn	0.1	DI
								Py	20	BL
								Sp	0.1	DI
65.13	65.16	VN	37	80	NUL	1	Massive pyrite vein.			
								Py	100	MA
66.93	66.95	VN	37	70	NUL	1	Grey quartz vein with interstitial white carbonate hosting disseminated pyrite.			
								Py	5	DI
69.33	72.14	VT	37	80	NUL	12	Twelve 0.1-0.3cm quartz/pyrite veinlets.			
								Py	70	DI
70.12	70.16	BN		30	NUL	1	Band of intense Silicification hosting disseminated to blebby pyrite and interstitial tan ankerite.			
								Py	10	DI
74.58	74.60	VB	37	80	NUL	1	White carbonate brecciating grey quartz and phyllic granodiorite.			
78.33	83.30	ST		80	NUL	13	Thirteen quartz/pyrite stringers.			
								Py	60	DI
86.30	86.44	DY	37	65	NUL	1	Grey/green strongly silicified dykelet(?).			
94.47	95.58	BN		50	NUL	1	Band of intense dark grey quartz flooding. Hosts disseminated pyrite. Grey quartz/tan ankerite veining along upper and lower selvedges. Hosts blebby pyrite.			
96.71	96.85	VN	37	60	NUL	2	Two 2cm white carbonate veins with minor amounts of interstitial grey quartz.			
104.36	104.38	VB	37	70	NUL	1	Smokey quartz vein breccia, brecciating grey quartz and white carbonate. Hosts disseminated pyrite.			
								Py	3	DI
104.46	104.63	VB	37	80	NUL	1	Grey to smokey quartz vein breccia. Has granule to pebble sized clast of white carbonate and phyllic granodiorite. Hosts disseminated to blebby pyrite.			
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
104.70	104.75	VB	37	80	NUL	1	White carbonate brecciating phyllic granodiorite and grey quartz. Hosts disseminated pyrite. !cm smokey quartz vein hosting trace disseminated pyrite along upper selvedge.			
								Py	5	DI
105.83	105.85	VB	37	70	NUL	1	White carbonate vein breccia with pebble sized clasts of grey quartz hosting disseminated pyrite. Dark grey quartz veinlets along upper selvedge hosting disseminated pyrite.			
								Py	5	DI
106.04	106.18	BX	34	80	NUL	1	Vuggy white carbonate and light pink rhodochrosite vein breccia hosting disseminated to blebby pyrite and sphalerite and disseminated trace galena.			
								Gn	0.1	DI
								Py	10	BL
								Sp	4	BL
120.24	120.38	VN	37	60	NUL	2	Two 1cm grey quartz veins hosting blebby pyrite.			
								Py	40	BL
128.61	131.10	VT	37	70	NUL	1	Nine 0.1-0.2cm quartz/pyrite veinlets hosting disseminated pyrite.			
								Py	40	DI
129.14	129.24	VN	37	80	NUL	1	Grey quartz vein crosscut by white carbonate. Hosts disseminated to blebby pyrite and disseminated honey brown sphalerite and galena.			
								Py	15	BL
								Gn	1	DI
								Sp	1	DI
129.37	129.74	BX	34	70	NUL	1	Multiphase breccia hosting. Phase 1 is a barren quartz phase, followed Phase 2 quartz/pyrite which is in turn brecciated by Phase 3 white-tan carbonate with sphalerite and galena. Phase 4 of smokey quartz and pyrite brecciates all other phases. Phase 5 is minor brecciation and infill by white calcite. Breccia hosts disseminated to blebby pyrite, honey brown sphalerite and galena. Sphalerite is zoned.			
								Gn	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	3	BL
								Py	5	BL
147.47	147.57	VB	37	60	NUL	1	White carbonate brecciate by smokey quartz. Hosts disseminated to blebby pyrite.			
								Py	10	BL
150.80	150.85	VT	37	55	NUL	2	Two 0.1cm quartz/pyrite veinlets.			
								Py	40	DI
150.89	150.90	VT	37	25	NUL	1	0.3cm intermixed grey quartz/white carbonate veinlet. Hosts disseminated pyrite.			
								Py	10	DI
153.58	153.62	VN	37	50	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	60	BL
155.95	155.95	VN	37	60	NUL	1	White carbonate vein with a quartz/pyrite veinlet along its upper selvedge.			
								Py	5	DI
156.18	156.20	VN	37	60	NUL	1	Grey quartz vein with interstitial tan ankerite. Hosts disseminated to blebby pyrite.			
								Py	15	BL
156.63	156.71	VB	37	60	NUL	1	Smokey quartz brecciating white carbonate. Hosts disseminated pyrite, sphalerite and galena.			
								Gn	0.1	DI
								Sp	0.1	DI
								Py	5	DI
160.02	160.92	VT	37	15	NUL	2	Two ~30cm long, low angle grey quartz veinlets hosting blebby pyrite.			
								Py	60	BL
160.50	160.57	VN	37	70	NUL	2	Two 1cm grey quartz vein hosting blebby pyrite.			
								Py	75	BL
167.94	168.04	VB	37	60	NUL	1	Grey quartz hosting pyrite brecciated by light tan ankerite. Hosts disseminated to blebby pyrite, honey brown sphalerite and galena.			
								Py	10	BL
								Sp	5	BL
								Gn	2	BL
171.54	173.03	ST		70	NUL	11	Eleven quartz/pyrite stringers.			
								Py	50	DI
173.17	173.19	VN	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	65	BL
177.43	177.46	VN	37	70	NUL	1	Intermixed white carbonate and grey quartz vein hosting disseminated to blebby pyrite.			
								Py	10	BL
177.76	176.88	VN	37	80	NUL	1	Moderately seritized grey quartz vein with interstitial white carbonate. Hosts disseminated to blebby pyrite.			
								Py	30	BL
								Gn	5	BL
								Se	5	---
178.78	178.84	VN	37	70	NUL	2	Two grey quartz veins hosting blebby pyrite.			
								Py	60	BL
179.31	179.42	VN	37	80	NUL	2	Two 1cm smokey quartz and light tan ankerite veins hosting disseminated to blebby pyrite.			
								Py	10	DI
180.00	180.04	VN	37	60	NUL	1	Grey quartz vein with interstitial tan ankerite. Host disseminated to blebby pyrite and galena.			
								Py	50	BL
								Gn	3	BL
183.45	185.33	VT	37	70	NUL	6	Six 0.3-0.5cm grey quartz/tan ankerite veinlets. Hosts disseminated to blebby pyrite.			
								Py	50	BL
185.53	185.63	VN	37	70	NUL	1	Grey quartz vein partially brecciated by white carbonate. Hosts disseminated to blebby pyrite and sphalerite.			
								Sp	2	BL
								Py	10	BL
185.68	185.97	BX	34	-	NUL	1	Smokey quartz breccia that is in turn brecciated by white carbonate and calcite. Host disseminated to blebby pyrite.			
								Py	8	BL
186.02	188.51	VT	37	70	NUL	12	Twelve 0.1-0.3cm quartz/pyrite veinlets.			
								Py	50	DI
190.65	190.79	VN	37	70	NUL	1	8cm white carbonate vein with grey quartz along it upper and lower selvedges hosting disseminated to blebby pyrite.			
								Py	7	BL
197.63	201.35	ST		70	NUL	8	Eight pyrite stringers.			
								Py	100	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
200.51	200.55	BX	34	80	NUL	1	White carbonate brecciating dyke.			
204.10	204.11	VN	37	60	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	40	BL
204.98	204.99	VT	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	30	BL
216.50	216.82	BX	34	65	NUL	1	Polymictic breccia with smokey quartz/pyrite, white carbonate and phyllic granodiorite clast in a grey quartz matrix.			
217.33	217.35	BX	34	85	NUL	1	Smokey quartz breccia. Hosts trace disseminated pyrite.			
								Py	0.1	DI
218.50	218.52	VB	37	70	NUL	1	Grey quartz breccia. Host trace disseminated pyrite.			
								Py	0.1	DI
220.83	221.57	VB	37	70	NUL	1	Two 1-2cm grey quartz and opaque white carbonate vein breccia.			
221.27	221.31	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyirte.			
								Py	60	BL
227.13	227.42	BX	34	-	NUL	1	Light tan carbonate minorly brecciated by dark grey quartz hosting disseminated to blebby pyrite. Carbonate hosts disseminated galena. Trace ghost bladed pyrite.			
								Gn	2	BL
								Py	25	BL
								Py	0	BA
228.19	228.26	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	11	BL
236.79	236.87	BN		-	NUL	1	Smokey quartz breccia hosting trace disseminated pyrite. Granule to cobble sized clasts of phyllic granodiorite.			
								Py	1	DI
241.63	241.64	VT	37	20	NUL	1	Banded smokey quartz and white calcite veinlet. Hosts disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
245.52	245.54	VB	37	60	NUL	1	Grey quartz vein brecciated by white carbonate. Hosts disseminated pyrite and chalcopyrite.			
								Py	1	DI
								Cp	1	DI
252.18	252.34	VB	37	70	NUL	1	Gouge altered silicified carbonate breccia. Hosts trace disseminated pyrite.			
								Py	1	DI
252.88	252.92	GO	34	50	NUL	1	Grey to dark gray gouge seam hosting disseminated pyrite.			
								Py	0.1	DI
255.15	255.16	VN	37	60	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	30	BL
255.73	255.74	VT	37	60	NUL	1	Grey quartz veinlet (0.8cm) hosts disseminated to blebby pyrite and disseminated arsenopyrite.			
								Py	80	BL
								As	1	DI
256.55	257.00	GO	34	-	NUL	1	Partially to strongly gouge altered phyllic granodiorite and grey quartz/tan ankerite vein hosting disseminated to blebby pyrite. Interval is broken up and rubbly.			
								Py	10	BL
257.85	258.48	GO	34	-	NUL	1	Partially gouge altered phyllic granodiorite.			
258.53	258.76	VN	37	-	NUL	1	Smokey quartz minorly brecciating a grey quartz/white carbonate vein. Hosts disseminated to blebby pyrite and trace disseminated honey brown sphalerite, chalcopyrite and galena.			
								Py	40	BL
								Gn	0.1	DI
								Sp	0.1	DI
								Cp	0.1	DI
258.89	259.38	VT	37	60	NUL	6	Six 0.1-0.4cm quartz veinlets hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Py	70	BL
								Cp	1	DI
260.84	260.89	VN	37	82	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Cp	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	60	BL
260.94	260.95	VT	37	60	NUL	1	Grey quartz veinlet hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Cp	5	DI
								Py	70	BL
262.14	262.62	BX	34	-	NUL	1	Massive grey quartz breccia hosting disseminated pyrite. Pebble to cobble sized phyllic clasts.			
								Py	3	DI
263.20	263.27	VB	37	70	NUL	1	Smokey quartz vein breccia with granule to pebble sized clasts of grey quartz and light tan ankerite. Hosts disseminated pyrite and chalcopyrite.			
								Cp	0.1	DI
								Py	1	DI
263.41	263.43	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite. Cut by minor white carbonate veining.			
								Py	30	BL
263.50	264.00	VT	37	70	NUL	7	Seven 0.1-0.3cm quartz/pyrite veinlets hosting trace disseminated chalcopyrite.			
								Cp	1	DI
								Py	70	DI
264.58	265.80	VT	37	70	NUL	5	Five 0.2-0.5cm grey quartz veinlets hosting disseminated pyrite and trace disseminated chalcopyrite.			
								Py	60	DI
								Cp	1	DI
277.05	277.11	VN	37	60	NUL	1	Grey to dark grey quartz vein brecciated by white calcite. Hosts disseminated to blebby pyrite.			
278.90	279.02	VN	37	80	NUL	1	Coliform tan ankerite vein with grey quartz inclusions that host disseminated to blebby pyrite and disseminated chalcopyrite. Grey quartz/tan ankerite vein along upper selvedge hosts disseminated to blebby pyrite and chalcopyrite.			
								Cp	1	DI
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
281.43	281.75	VB	37	70	NUL	1	18cm smokey quartz vein breccia with granule to pebble sized clasts of grey quartz and tan ankerite. Breccia is cross cut by stringers of white calcite. Hosts disseminated to blebby and trace disseminated chalcopyrite. Next is 4cm of massive pyrite and chalcopyrite. This s followed by a 10cm vein light tan to white carbonate with interstitial grey quartz that hosts disseminated to blebby pyrite and chalcopyrite. 2cm mineralized gouge seam runs through the center of the vein hosting disseminated pyrite.			
								Py	15	BL
								Cp	5	BL
281.91	281.96	VN	37	85	NUL	1	Grey quartz vein with interstitial white carbonate. Hosts disseminated pyrite and chalcopyrite.			
								Cp	1	DI
								Py	15	DI
299.62	299.67	VN	37	80	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite.			
300.08	300.72	VT	37	70	NUL	2	Two 0.3 cm quartz/pyrite/chalcopyrite veinlets.			
								Py	60	BL
								Cp	5	BL
300.56	300.61	VN	37	70	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	15	BL
302.12	302.14	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite, chalcopyrite and disseminated honey brown sphalerite. Vein is crosscut by a white carbonate stringer.			
								Py	15	BL
								Cp	2	BL
								Sp	1	DI
303.43	303.44	VT	37	65	NUL	1	0.5cm grey quartz veinlet hosting blebby pyrite.			
								Py	85	BL
308.68	308.70	VN	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	90	BL
311.33	311.39	VN	37	85	NUL	1	Three 0.3-0.5 cm grey quartz/pyrite veinlets.			
								Py	75	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
312.87	312.99	VB	37	75	NUL	1	White carbonate brecciating grey quartz and is in turn brecciated by smokey quartz. Breccia hosts disseminated to blebby pyrite and galena.			
								Py	20	BL
								Gn	1	BL
313.20	313.50	ST		75	NUL	5	Five quartz/pyrite stringers.			
								Py	80	DI
313.33	313.37	VN	37	70	NUL	1	Grey quartz vein with interstitial white and tan carbonate hosting disseminated to blebby pyrite and chalcopyrite and disseminated galena.			
								Gn	1	DI
								Cp	5	BL
								Py	75	BL
313.50	313.87	BX	34	-	NUL	1	Grey quartz brecciating phyllic granodiorite. Hosts disseminated to blebby pyrite and chalcopyrite. Pebble to cobble sized clasts.			
								Cp	5	BL
								Py	10	BL
314.08	314.12	VN	37	60	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite, and disseminated galena and chalcopyrite.			
								Py	15	BL
								Gn	1	DI
								Cp	0.1	DI
314.57	315.10	VT	37	70	NUL	3	Three 0.5-0.8cm grey quartz veinlets hosting disseminated to blebby pyrite.			
								Py	60	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383324	6888957	1381.16	121.01

ZONE: Eastern BRX

SECTION:

HOLE: KL-16-301

CLAIM: Klaza 9

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: Jul 01 - Jul 02, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	21.9	-48.9	Reflex
121	32.8	-50.9	Reflex

TARGET: Eastern BRX

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.86	1.86	OVB
1.86	29.63	27.77	VOL
29.63	39.79	10.16	VOL
39.79	46.14	6.35	VOL
46.14	49.07	2.93	VOL
49.07	61.2	12.13	QFP
61.2	70.45	9.25	GRD
70.45	90.25	19.8	GRD
90.25	101.27	11.02	GRD
101.27	114.95	13.68	GRD
114.95	121.01	6.06	GRD

SAMPLES	
Numbers:	k292315 to K292380, k292726 to k292728
Total:	69
Batch:	003, 015, 016, 017
Certificates:	TR16108378, TR16108386, TR16108387, TR16123300, TR16123315, VA16112556

COMMENTS

Box Log

KL-16-301

Klaza
astern BRX Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.86	11.12
2	11.12	14.59
3	14.59	18.59
4	18.59	22.59
5	22.59	26.52
6	26.52	30.61
7	30.61	34.97
8	34.97	38.71
9	38.71	41.89
10	41.89	46.17
11	46.17	50.18
12	50.18	54.54
13	54.54	58.64
14	58.64	63.09
15	63.09	66.46
16	66.46	70.6
17	70.6	74.94
18	74.94	79.03
19	79.03	83.34
20	83.34	87.4
21	87.4	91.6
22	91.6	95.86
23	95.86	99.94
24	99.94	104.43
25	104.43	108.75
26	108.75	112.99
27	112.99	117.13
28	117.13	121.01

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-301									
	21.8	19.2	NQ2	VOL	995.5	618.8	2.44	2.6	Dark grey quartz feldspar porphyry with oxidized joints/fractures containing trace pyrite.
	60.26	19	NQ2	QFP	1051.9	657.4	2.61	2.7	Grey green altered quartz feldspar porphyry.
	77.05	24.3	NQ2	GRD	1231.6	782.3	2.39	2.7	Moderately phyllic altered granodiorite containing numerous smokey quartz/pyrite stringers.
	85.38	17.7	NQ2	GRD	1007	651.5	2.68	2.8	Weak to moderately phyllic altered granodiorie containing a quartz/smokey quartz/carbonate vein with slight brecciation hosting disseminated to blebby pyrite and galena.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.86	29.63	27.77	VOL	VF	Medium to dark grey volcanic porphyry. Patchy moderate oxidation throughout with moderate to strong oxidation along fracture surfaces. Minor light grey (phyllic?) envelopes around sporadic quartz/carbonate +/- pyrite veinlets. Hosts disseminated pyrite throughout and an abundance of heavily oxidized pyrite stringers. Interval is very broken up and rubbly.							
						MD	GY	PA	OXI	3I	Py	1
						MD	OR					
						LT	GY		PHC	2I		
						DK	GY		OXI	4I		
29.63	39.79	10.16	VEN	VF	Pervasively strong to intensely oxidized medium to dark grey volcanic porphyry. Oxidations obscures almost all rock textures. Hosts disseminated pyrite throughout and heavily oxidized pyrite stringers. Interval is very broken up and rubbly.							
								RB	OXI	4I	Py	0.1
									OXI	5I		
39.79	46.14	6.35	VOL	VF	Light to medium grey/green volcanic porphyry. Patchy moderate to strong oxidation with strong oxidation along fracture surfaces. Light grey/green Phyllic(?) envelopes around the abundance of pyrite stringers throughout the interval. Also hosts disseminated pyrite. Volcanics are much more competent than previous intervals.							
						MD	GN		OXI	4I		
						MD	OR					
						MD	GY					
						LT	GY		PHC	3I	Py	0.1
						LT	GN		OXI	3I		
46.14	49.07	2.93	VOL	VF	Light to medium grey/green volcanic porphyry. Patchy moderate to strong pervasive oxidation throughout with moderate to strong oxidation along fracture surfaces. Light grey/green (phyllic?) envelopes around an abundance of pyrite stringers. Hosts disseminated pyrite throughout. Contact with quartz feldspar porphyry dyke is gouge altered, intensely oxidized and mineralized.							
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	4I		
						MD	GN		OXI	5I		
						LT	GY		PHC	3I	Py	0.1
						LT	GN		OXI	3I		
						LT	OR					
49.07	61.20	12.13	QFP	FG	Weakly pervasively oxidized grey/green quartz feldspar porphyry dyke.							
						LT	GY	PO	OXI	2I		
						LT	GN					
61.20	70.45	9.25	GRD	MG	Moderate to strongly pervasively oxidized, moderate to strongly phyllic altered granodiorite.							
						MD	GN					
						MD	OR					
						LT	GN					
70.45	90.25	19.80	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite, an abundance of quartz/pyrite veinlets and stringers and a few larger quartz/carbonate/sulphide veins. Weak to moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						LT	OR	PA	OXI	2I	Py	1
						LT	GN		PHC	4I		
90.25	101.27	11.02	GRD	MG	Moderately magnetic, trace propyllitic and potassic altered granodiorite with weak oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	2I		
101.27	114.95	13.68	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic alteration. Host and abundance of quartz/pyrite veinlets and stringers along with disseminated pyrite in areas of strong phyllic alteration. Sporadic trace to weak oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						MD	GY		OXI	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						DK	GN		PRO	3I		
114.95	121.01	6.06	GRD	MG	Moderately magnetic, trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.86	29.63	27.77	VOL	VF	Medium to dark grey volcanic porphyry. Patchy moderate oxidation throughout with moderate to strong oxidation along fracture surfaces. Minor light grey (phyllic?) envelopes around sporadic quartz/carbonate +/- pyrite veinlets. Hosts disseminated pyrite throughout and an abundance of heavily oxidized pyrite stringers. Interval is very broken up and rubbly.							
						DK	GY	RB	OXI	4I		
						LT	GY		PHC	2I		
						MD	OR					
						MD	GY	PA	OXI	3I	Py	1
29.63	39.79	10.16	VOL	VF	Pervasively strong to intensely oxidized medium to dark grey volcanic porphyry. Oxidations obscures almost all rock textures. Hosts disseminated pyrite throughout and heavily oxidized pyrite stringers. Interval is very broken up and rubbly.							
						MD	OR	RB	OXI	4I	Py	0.1
						LT	OR		OXI	5I		
39.79	46.14	6.35	VOL	VF	Light to medium grey/green volcanic porphyry. Patchy moderate to strong oxidation with strong oxidation along fracture surfaces. Light grey/green Phyllic(?) envelopes around the abundance of pyrite stringers throughout the interval. Also hosts disseminated pyrite. Volcanics are much more competent than previous intervals.							
						MD	GY					
						MD	OR					
						MD	GN		OXI	4I		
						LT	GN		OXI	3I		
						LT	GY		PHC	3I	Py	0.1
46.14	49.07	2.93	VOL	VF	Light to medium grey/green volcanic porphyry. Patchy moderate to strong pervasive oxidation throughout with moderate to strong oxidation along fracture surfaces. Light grey/green (phyllic?) envelopes around an abundance of pyrite stringers. Hosts disseminated pyrite throughout. Contact with quartz feldspar porphyry dyke is gouge altered, intensely oxidized and mineralized.							
						LT	GN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	4I		
						MD	GN		OXI	5I		
						MD	OR					
						LT	OR					
						LT	GY		PHC	3I	Py	0.1
49.07	61.20	12.13	QFP	FG	Weakly pervasively oxidized grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY	PO	OXI	2I		
61.20	70.45	9.25	GRD	MG	Moderate to strongly pervasively oxidized, moderate to strongly phyllic altered granodiorite.							
						MD	GN					
						MD	OR					
						LT	GN					
70.45	90.25	19.80	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite, an abundance of quartz/pyrite veinlets and stringers and a few larger quartz/carbonate/sulphide veins. Weak to moderate oxidation along fracture surfaces.							
						LT	OR	PA	OXI	2I	Py	1
						MD	GN		PHC	3I		
						LT	GN		PHC	4I		
90.25	101.27	11.02	GRD	MG	Moderately magnetic, trace propyllitic and potassic altered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
101.27	114.95	13.68	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic alteration. Host and abundance of quartz/pyrite veinlets and stringers along with disseminated pyrite in areas of strong phyllic alteration. Sporadic trace to weak oxidation along fracture surfaces.							
						LT	GN	PA	PHC	3I	Py	0.1
						MD	GN		PHC	3I		
						DK	GN		PRO	3I		
						MD	GY		OXI	2I		
114.95	121.01	6.06	GRD	MG	Moderately magnetic, trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0.3	14	0.00	0	--	3H	2W	
2.13	5.18	3.05	0.97	32	0.00	0	--	2H	4W	
5.18	8.23	3.05	1.04	34	0.00	0	--	3H	2W	
8.23	11.28	3.05	1.39	46	0.00	0	--	3H	2W	
11.28	14.33	3.05	2.43	80	0.46	15	--	3H	3W	
14.33	17.37	3.04	2.66	88	0.97	32	--	3H	2W	
17.37	20.42	3.05	2.82	92	0.53	17	--	1H	2W	
20.42	23.47	3.05	2.74	90	0.89	29	--	3H	2W	
23.47	26.52	3.05	2.8	92	0.28	9	--	2H	2W	
26.52	29.57	3.05	2.84	93	0.63	21	--	2H	2W	
29.57	32.61	3.04	2.6	86	0.00	0	--	3H	2W	
32.61	35.66	3.05	2.23	73	0.15	5	--	2H	3W	
35.66	38.71	3.05	2.46	81	0.00	0	--	2H	2W	
38.71	41.76	3.05	2.93	96	0.79	26	--	1H	2W	
41.76	44.81	3.05	2.83	93	1.82	60	--	3H	1W	
44.81	47.85	3.04	3.04	100	1.70	56	--	3H	1W	
47.85	50.90	3.05	2.97	97	1.38	45	--	2H	1W	
50.90	53.95	3.05	3.05	100	2.62	86	--	3H	1W	
53.95	57.00	3.05	2.83	93	1.37	45	--	2H	1W	
57.00	60.05	3.05	3	98	1.97	65	--	2H	1W	
60.05	63.09	3.04	3.02	99	1.71	56	--	1H	1W	
63.09	66.14	3.05	2.84	93	0.29	10	--	1H	1W	
66.14	69.19	3.05	2.7	89	0.76	25	--	2H	1W	
69.19	72.24	3.05	2.8	92	1.85	61	--	1H	1W	
72.24	75.29	3.05	3.02	99	2.37	78	--	3H	1W	
75.29	78.33	3.04	2.96	97	2.41	79	--	3H	1W	
78.33	81.38	3.05	3	98	0.84	28	--	3H	1W	
81.38	84.43	3.05	3.05	100	1.79	59	--	3H	1W	
84.43	87.48	3.05	2.96	97	2.35	77	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.87	94	2.52	83	--	3H	1W	
90.53	93.57	3.04	2.85	94	1.85	61	--	3H	1W	
93.57	96.62	3.05	2.91	95	1.37	45	--	3H	1W	
96.62	99.67	3.05	3.05	100	1.69	55	--	3H	1W	
99.67	102.72	3.05	2.94	96	1.88	62	--	3H	1W	
102.72	105.77	3.05	3.02	99	2.63	86	--	3H	1W	
105.77	108.81	3.04	2.97	98	1.75	58	--	3H	1W	
108.81	111.86	3.05	3	98	2.54	83	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.49	82	--	3H	1W	
114.91	117.96	3.05	3	98	1.81	59	--	3H	1W	
117.96	121.01	3.05	3	98	1.62	53	--	3H	1W	to fractured to count joint sets EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
11	2.095	VOL	all previous metres to fractured to mag
12	5.081	VOL	
13	0.252	VOL	
14	1.105	VOL	
15	0	VOL	to fractured to mag.
16	14.22	VOL	
17	0.425	VOL	
18	0	VOL	to fractured to mag.
19	11.19	VOL	
20	8.687	VOL	
21	16.68	VOL	
22	8.284	VOL	
23	2.633	VOL	
24	22.02	VOL	
25	14.63	VOL	
26	2.402	VOL	
27	0.517	VOL	
28	17.48	VOL	
29	11.5	VOL	
30	0	VOL	to fractured to mag.
31	0.253	VOL	
32	0.221	VOL	
33	0.223	VOL	
34	0.235	VOL	
35	0	VOL	to fractured to mag.
36	0.382	VOL	
37	0	VOL	to fractured to mag.
38	0.102	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
39	0	VOL	to fractured to mag.
40	0.338	VOL	
41	0.381	VOL	
42	0.422	VOL	
43	0.31	VOL	
44	0.707	VOL	
45	0.404	VOL	
46	7.517	VOL	
47	0.35	VOL	
48	0.488	VOL	
49	0.279	VOL	
50	0.225	QFP	
51	0.219	QFP	
52	0.239	QFP	
53	0.231	QFP	
54	0.188	QFP	
55	0.171	QFP	
56	0.252	QFP	
57	0.186	QFP	
58	0.224	QFP	
59	0.249	QFP	
60	0.274	QFP	
61	0.331	QFP	
62	0.745	GRD	
63	0.43	GRD	
64	0.468	GRD	
65	0.266	GRD	
66	0.175	GRD	
67	0.19	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
68	0.294	GRD	
69	0.153	GRD	
70	0.18	GRD	
71	0.301	GRD	
72	0.211	GRD	
73	0.113	GRD	
74	0.258	GRD	
75	0.157	GRD	
76	0.18	GRD	
77	0.351	GRD	
78	8.45	GRD	
79	1.36	GRD	
80	0.142	GRD	
81	0.236	GRD	
82	1.02	GRD	
83	0.2	GRD	
84	0.265	GRD	
85	0.836	GRD	
86	0.236	GRD	
87	0.124	GRD	
88	0.454	GRD	
89	0.234	GRD	
90	0.168	GRD	
91	0.314	GRD	
92	0.529	GRD	
93	12.7	GRD	
94	0.13	GRD	
95	45	GRD	
96	0.194	GRD	
97	0.254	GRD	
98	0.288	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
99	0.97	GRD	
100	0.305	GRD	
101	0.276	GRD	
102	0.28	GRD	
103	0.209	GRD	
104	0.396	GRD	
105	0.785	GRD	
106	0.708	GRD	
107	0.261	GRD	
108	0.212	GRD	
109	0.317	GRD	
110	0.444	GRD	
111	0.687	GRD	
112	0.203	GRD	
113	0.196	GRD	
114	0.24	GRD	
115	0.236	GRD	
116	0.284	GRD	
117	0.336	GRD	
118	0.134	GRD	
119	0.837	GRD	
120	1.66	GRD	
121	0.379	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292377	☐	16-017		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292319	☐	16-015		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292728	☐	16-003			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292373	☐	16-017			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292361	☐	16-016			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292352	☐	16-016		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292342	☐	16-016		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292337	☐	16-016			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	k292325	☐	16-015			☑	☐	☐
2.13	5.18	3.05	VOL	0.97	32	k292315	☐	16-015			☐	☐	☐
5.18	8.23	3.05	VOL	1.04	34	k292316	☐	16-015			☐	☐	☐
8.23	11.28	3.05	VOL	1.39	46	k292317	☐	16-015			☐	☐	☐
11.28	14.33	3.05	VOL	2.43	80	k292318	☐	16-015			☐	☐	☐
14.33	17.37	3.04	VOL	2.66	88	k292320	☐	16-015			☐	☐	☐
17.37	20.42	3.05	VOL	2.82	92	k292321	☐	16-015			☐	☐	☐
20.42	23.47	3.05	VOL	2.74	90	k292322	☐	16-015			☐	☐	☐
23.47	26.52	3.05	VOL	2.80	92	k292323	☐	16-015			☐	☐	☐
26.52	29.57	3.05	VOL	2.84	93	k292324	☐	16-015			☐	☐	☐
29.57	32.61	3.04	VOL	2.60	86	k292326	☐	16-015			☐	☐	☐
32.61	35.66	3.05	VOL	2.23	73	k292327	☐	16-015			☐	☐	☐
35.66	38.71	3.05	VOL	2.46	81	k292328	☐	16-015			☐	☐	☐
35.66	38.71	3.05	VOL	2.46	81	k292329	☐	16-015			☐	☐	☑
38.71	39.42	0.71	VOL	0.45	63	k292330	☐	16-015			☐	☐	☐
39.42	41.76	2.34	VOL	2.32	99	k292331	☐	16-015			☐	☐	☐
41.76	43.36	1.60	VOL	1.46	91	k292332	☐	16-015			☐	☐	☐
43.36	44.64	1.28	VOL	1.25	98	k292333	☐	16-016			☐	☐	☐
44.64	46.17	1.53	VOL	1.53	100	k292334	☐	16-016			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
46.17	47.85	1.68	VOL	1.64	98	k292335	☐	16-016			☐	☐	☐
47.85	48.93	1.08	VOL	0.98	91	k292336	☐	16-016			☐	☐	☐
48.93	49.44	0.51	VOL	0.48	94	k292338	☐	16-016			☐	☐	☐
49.44	49.94	0.50	QFP	0.50	100	k292339	☐	16-016			☐	☐	☐
49.94	50.46	0.52	QFP	0.51	98	k292340	☐	16-016			☐	☐	☐
62.59	63.09	0.50	GRD	0.50	100	k292341	☐	16-016			☐	☐	☐
63.09	66.14	3.05	GRD	2.84	93	k292343	☐	16-016			☐	☐	☐
66.14	67.00	0.86	GRD	0.66	77	k292344	☐	16-016			☐	☐	☐
67.00	67.95	0.95	GRD	0.94	99	k292345	☐	16-016			☐	☐	☐
67.00	67.95	0.95	GRD	0.94	99	k292346	☐	16-016			☐	☑	☐
67.95	70.15	2.20	GRD	1.71	78	k292347	☐	16-016			☐	☐	☐
70.15	72.24	2.09	GRD	2.09	100	k292348	☐	16-016			☐	☐	☐
72.24	73.00	0.76	GRD	0.76	100	k292349	☐	16-016			☐	☐	☐
73.00	74.94	1.94	GRD	1.94	100	k292350	☐	16-016			☐	☐	☐
74.94	77.29	2.35	GRD	2.35	100	k292351	☐	16-016			☐	☐	☐
77.29	79.03	1.74	GRD	1.74	100	k292353	☐	16-016			☐	☐	☐
79.03	81.38	2.35	GRD	2.35	100	k292354	☐	16-016			☐	☐	☐
81.38	83.23	1.85	GRD	1.85	100	k292355	☐	16-016			☐	☐	☐
81.38	83.23	1.85	GRD	1.85	100	k292356	☐	16-016			☐	☐	☑
83.23	83.70	0.47	GRD	0.47	100	k292357	☐	16-016			☐	☐	☐
83.70	84.13	0.43	GRD	0.43	100	k292358	☐	16-016			☐	☐	☐
84.13	84.43	0.30	GRD	0.30	100	k292726	☐	16-003			☐	☐	☐
84.43	85.25	0.82	GRD	0.75	91	k292359	☐	16-016			☐	☐	☐
85.25	85.66	0.41	GRD	0.41	100	k292727	☐	16-003			☐	☐	☐
85.66	86.18	0.52	GRD	0.52	100	k292360	☐	16-016			☐	☐	☐
86.18	86.79	0.61	GRD	0.61	100	k292362	☐	16-016			☐	☐	☐
86.79	87.40	0.61	GRD	0.61	100	k292363	☐	16-016			☐	☐	☐
87.40	88.01	0.61	GRD	0.61	100	k292364	☐	16-016			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
88.01	88.61	0.60	GRD	0.60	100	k292365	☐	16-016			☐	☐	☐
88.61	89.00	0.39	GRD	0.39	100	k292366	☐	16-016			☐	☐	☐
89.00	89.68	0.68	GRD	0.60	88	k292367	☐	16-016			☐	☐	☐
89.68	90.30	0.62	GRD	0.62	100	k292368	☐	16-016			☐	☐	☐
90.30	90.80	0.50	GRD	0.50	100	k292369	☐	16-017			☐	☐	☐
100.95	101.51	0.56	GRD	0.51	91	K292370	☐	16-017			☐	☐	☐
101.51	102.20	0.69	GRD	0.69	100	K292371	☐	16-017			☐	☐	☐
102.20	102.72	0.52	GRD	0.52	100	K292372	☐	16-017			☐	☐	☐
102.72	103.84	1.12	GRD	1.12	100	K292374	☐	16-017			☐	☐	☐
103.84	105.77	1.93	GRD	1.93	100	K292375	☐	16-017			☐	☐	☐
105.77	108.07	2.30	GRD	2.20	96	K292376	☐	16-017			☐	☐	☐
108.07	108.81	0.74	GRD	0.74	100	K292378	☐	16-017			☐	☐	☐
108.81	111.86	3.05	GRD	3.00	98	K292379	☐	16-017			☐	☐	☐
111.86	114.91	3.05	GRD	3.05	100	K292380	☐	16-017			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	2.13			☐	☐	☐	☐	
16-015	K292319	0.00	0.00	0.91	440	☐	☐	☐	☑ KL-STD5	
16-015	K292325	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-016	K292337	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-016	K292342	0.00	0.00	0.40	470	☐	☐	☐	☑ KL-STD4	
16-016	K292352	0.00	0.00	0.90	720	☐	☐	☐	☑ KL-STD5	
16-016	K292361	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-017	K292373	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-017	K292377	0.00	0.00	0.35	430	☐	☐	☐	☑ KL-STD4	
16-003	K292728	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-015	K292315	2.13	5.18	0.03	1860	☐	☐	☐	☐	
16-015	K292316	5.18	8.23	0.03	1400	☐	☐	☐	☐	
16-015	K292317	8.23	11.28	0.06	2230	☐	☐	☐	☐	
16-015	K292318	11.28	14.33	0.09	1920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-015	K292320	14.33	17.37	0.03	1790	☐	☐	☐	☐	
16-015	K292321	17.37	20.42	0.04	1520	☐	☐	☐	☐	
16-015	K292322	20.42	23.47	0.03	1330	☐	☐	☐	☐	
16-015	K292323	23.47	26.52	0.03	1530	☐	☐	☐	☐	
16-015	K292324	26.52	29.57	0.05	3350	☐	☐	☐	☐	
16-015	K292326	29.57	32.61	0.10	710	☐	☐	☐	☐	
16-015	K292327	32.61	35.66	0.25	500	☐	☐	☐	☐	
16-015	K292328	35.66	38.71	0.42	560	☐	☐	☐	☐	
16-015	K292329	35.66	38.71	0.34	540	☐	☑	☐	☐	
16-015	K292330	38.71	39.42	0.24	510	☐	☐	☐	☐	
16-015	K292331	39.42	41.76	0.12	1360	☐	☐	☐	☐	
16-015	K292332	41.76	43.36	0.23	810	☐	☐	☐	☐	
16-016	K292333	43.36	44.64	0.28	390	☐	☐	☐	☐	
16-016	K292334	44.64	46.17	0.35	360	☐	☐	☐	☐	
16-016	K292335	46.17	47.85	0.17	1080	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-016	K292336	47.85	48.93	1.21	220	☐	☐	☐	☐	
16-016	K292338	48.93	49.44	0.05	520	☐	☐	☐	☐	
16-016	K292339	49.44	49.94	0.01	580	☐	☐	☐	☐	
16-016	K292340	49.94	50.46	0.01	560	☐	☐	☐	☐	
		50.46	62.59			☐	☐	☐	☐	
16-016	K292341	62.59	63.09	0.05	1060	☐	☐	☐	☐	
16-016	K292343	63.09	66.14	0.20	970	☐	☐	☐	☐	
16-016	K292344	66.14	67.00	0.11	650	☐	☐	☐	☐	
16-016	K292345	67.00	67.95	0.13	330	☐	☐	☐	☐	
16-016	K292346	67.00	67.95	0.15	410	☑	☐	☐	☐	
16-016	K292347	67.95	70.15	0.18	690	☐	☐	☐	☐	
16-016	K292348	70.15	72.24	0.06	330	☐	☐	☐	☐	
16-016	K292349	72.24	73.00	0.06	450	☐	☐	☐	☐	
16-016	K292350	73.00	74.94	0.07	680	☐	☐	☐	☐	
16-016	K292351	74.94	77.29	0.08	290	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-016	K292353	77.29	79.03	0.05	1290	☐	☐	☐	☐	
16-016	K292354	79.03	81.38	0.11	470	☐	☐	☐	☐	
16-016	K292355	81.38	83.23	0.06	500	☐	☐	☐	☐	
16-016	K292356	81.38	83.23	0.06	720	☐	☑	☐	☐	
16-016	K292357	83.23	83.70	0.07	1070	☐	☐	☐	☐	
16-016	K292358	83.70	84.13	0.12	900	☐	☐	☐	☐	
16-003	K292726	84.13	84.43	0.36	60	☐	☐	☐	☐	
16-016	K292359	84.43	85.25	0.17	980	☐	☐	☐	☐	
16-003	K292727	85.25	85.66	0.32	540	☐	☐	☐	☐	
16-016	K292360	85.66	86.18	0.18	730	☐	☐	☐	☐	
16-016	K292362	86.18	86.79	0.22	330	☐	☐	☐	☐	
16-016	K292363	86.79	87.40	0.11	310	☐	☐	☐	☐	
16-016	K292364	87.40	88.01	0.13	870	☐	☐	☐	☐	
16-016	K292365	88.01	88.61	0.50	500	☐	☐	☐	☐	
16-016	K292366	88.61	89.00	0.67	130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-016	K292367	89.00	89.68	0.13	720	☐	☐	☐	☐	
16-016	K292368	89.68	90.30	0.79	370	☐	☐	☐	☐	
16-017	K292369	90.30	90.80	0.10	1780	☐	☐	☐	☐	
		90.80	######			☐	☐	☐	☐	
16-017	K292370	100.95	101.51	0.02	800	☐	☐	☐	☐	
16-017	K292371	101.51	102.20	0.06	470	☐	☐	☐	☐	
16-017	K292372	102.20	102.72	0.36	290	☐	☐	☐	☐	
16-017	K292374	102.72	103.84	0.05	840	☐	☐	☐	☐	
16-017	K292375	103.84	105.77	0.07	580	☐	☐	☐	☐	
16-017	K292376	105.77	108.07	0.12	480	☐	☐	☐	☐	
16-017	K292378	108.07	108.81	0.28	150	☐	☐	☐	☐	
16-017	K292379	108.81	111.86	0.07	620	☐	☐	☐	☐	
16-017	K292380	111.86	114.91	0.06	700	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
11.12	28.00	ST		25	NUL	26	26 oxidized pyrite stringers occuring at 25*TCA			
								Py	90	DI
11.12	28.00	ST		60	NUL	50	~50 heavily oxidized pyrite stringers			
								Py	90	DI
28.00	39.80	ST		60	NUL	10	~10 heavily oxidized pyrite stringers. Exact number of stringers is difficult to determine due to heavy oxidation and the rubbly nature of the core.			
								Py	90	DI
28.05	28.06	VN	37	45	NUL	1	Heavily oxidized and gouge altered pyrite vein.			
								Py	50	BL
40.10	47.80	ST		70	NUL	30	~30 pyrite stringers			
								Py	100	DI
42.89	42.90	VN	37	45	NUL	1	Grey quartz and tan ankerite vein hosting disseminated to blebby pyrite.			
43.43	43.45	VN	37	80	NUL	1	Grey quartz and tan ankerite vein hosting disseminated to blebby pyrite.			
								Py	60	BL
48.07	48.10	VN	37	-	NUL	1	Rubbly oxidized grey quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	50	BL
48.57	48.61	VN	37	-	NUL	1	Rubbly massive pyrite vein.			
								Py	100	MA
48.86	48.95	VN	37	80	NUL	1	Strongly oxidized grey quartz and white carbonate breccia hosting disseminated to blebby pyrite.			
								Py	5	BL
56.28	56.40	GO	34	70	NUL	1	Intensely oxidized partially gouge altered quartz feldspar porphyry dyke.			
56.41	56.48	BX	34	80	NUL	1	Strongly oxidized grey quartz breccia with clast of phyllic granodiorite (?). Hosts disseminated to blebby pyrite.			
								Py	1	DI
60.94	61.31	GO	34	-	NUL	1	Strongly oxidized gouge zone at dyke/granodiorite contact.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
67.21	67.22	VT	37	70	NUL	1	Grey quartz veinlet hosting blebby pyrite.			
								Py	30	BL
73.02	77.30	VT	37	70	NUL	10	~10 0.1cm quartz/pyrite veinlets.			
								Py	50	DI
73.02	77.30	VT	37	25	NUL	13	~13 0.1-0.3 quartz/pyrite veinlets.			
								Py	40	DI
79.00	85.20	VT	37	25	NUL	13	~13 0.1-03cm quartz/pyrite veinlets.			
								Py	50	DI
79.00	85.20	VT	37	70	NUL	18	~18 0.1-0.3cm quartz/pyrite veinlets.			
								Py	50	DI
84.32	84.38	VN	37	50	NUL	1	5cm white carbonate vein with quartz veining along its upper and lower selvedges. Quartz hosts disseminated to blebby pyrite, sphalerite and galena.			
								Gn	1	BL
								Py	8	BL
								Sp	1	BL
85.35	85.43	VN	37	60	NUL	1	Grey quartz vein brecciated by light tan ankerite. Hosts disseminated to blebby pyrite, sphalerite and galena.			
87.50	90.40	VT	37	25	NUL	14	~14 0.1-03 cm quartz/pyrite veinlets			
								Py	75	DI
89.04	89.06	VN	37	60	NUL	1	Grey quartz vein with a white carbonate veinlet along its lower selvedge. Hosts disseminated to blebby pyrite and tennantite(?) (copper tetrahedrite) and disseminated bornite. Tennantite is a dull dark grey, streaks dark grey, is relatively hard.			
								Bo	1	DI
								Tt	3	BL
								Py	25	BL
89.92	89.94	VN	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	50	BL
100.15	110.80	VT	37	65	NUL	24	~24 0.1-0.3cm quartz/pyrite +/-carbonate veinlets.			
								Py	40	DI
100.42	100.43	VT	37	30	NUL	1	Grey quartz and tan ankerite vein hosting disseminated pyrite.			
								Py	5	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
101.56	101.57	VN	37	60	NUL	1	Grey quartz and white carbonate vein hosting disseminated pyrite.			
								Py	1	DI
102.38	102.39	VB	37	50	NUL	1	Smokey quartz vein breccia hosting disseminated to blebby pyrite.			
								Py	15	BL
113.38	113.39	VN	37	-	NUL	1	Undulating grey quartz vein with interstitial with and tan carbonate. Hosts disseminated to blebby pyrite and disseminated chalcopyrite.			
								Py	15	BL
								Cp	1	DI
114.41	114.42	VT	37	80	NUL	1	Grey quartz/white carbonate vein hosting disseminated to blebby pyrite.			
								Py	10	BL
117.17	117.19	VN	37	70	NUL	1	Grey quartz vein with interstitial white carbonate hosting blebby pyrite.			
								Py	55	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382751	6889106	1439	127.1

ZONE: AEX

SECTION:

HOLE: KL-16-302

CLAIM: Klaza 8

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: Jul 02 - Jul 02, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: AEX

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.85	1.85	OVB
1.85	10.65	8.8	GRD
10.65	16.31	5.66	QFP
16.31	20.09	3.78	GRD
20.09	44.05	23.96	QFP
44.05	44.3	0.25	VEN
44.3	44.5	0.2	GRD
44.5	61.32	16.82	QFP
61.32	65.79	4.47	QFP
65.79	75.29	9.5	QFP
75.29	81.06	5.77	QFP
81.06	82.04	0.98	GRD
82.04	100.43	18.39	QFP
100.43	100.9	0.47	BXA
100.9	109.16	8.26	QFP
109.16	110.81	1.65	BXA

SAMPLES	
Numbers:	K292381 to K292463, K292729
Total:	84
Batch:	017, 018, 019, 020
Certificates:	VA16112556, VA16112557, VA16112559, VA16121836

COMMENTS

Hole lost due to technical difficulties with casing. No downhole survey completed.

110.81	125.11	14.3	GRD
125.11	127.1	1.99	GRD

Box Log

KL-16-302

Klaza
AEX Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.85	6.25
2	6.25	10.51
3	10.51	14.86
4	14.86	18.85
5	18.85	23.1
6	23.1	27.38
7	27.38	31.52
8	31.52	35.79
9	35.79	39.52
10	39.52	43.85
11	43.85	49.69
12	49.69	50.96
13	50.96	55.06
14	55.06	58.7
15	58.7	62.86
16	62.86	66.35
17	66.35	70.25
18	70.25	74.33
19	74.33	78.3
20	78.3	82.16
21	82.16	86.39
22	86.39	90.71
23	90.71	94.77
24	94.77	99.15
25	99.15	103.24
26	103.24	107.43
27	107.43	111.86
28	111.86	115.96
29	115.96	120.1
30	120.1	124.36
31	124.36	127.1

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-302									
	23.24	22	NQ2	QFP	1276.8	818	2.73	2.8	Net of smokey quartz and white carbonate hosting disseminated pyrite in light grey/green quartz feldspar porphyry dyke.
	44.15	15	NQ2	VEN	1147.8	837.8	3.6	3.7	Light grey to medium grey quartz vein hosting disseminated to blebby pyrite and disseminated chalcopyrite.
	65.08	19.5	NQ2	QFP	1315.1	925.2	3.18	3.4	Grey quartz vein brecciating phyllic granodiorite. Hosts blebby to semi-massive pyrite. Vein is hosted in moderate phyllic altered granodiorite.
	100.73	12	NQ2	BXA	811.5	533.2	3.18	2.9	Net of smokey quartz and white carbonate hosting disseminated pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.85	10.65	8.80	GRD	MG	Strongly pervasively oxidized, patchy moderate to strong phyllic altered granodiorite with the alteration intensity increasing with proximity to dyke contact. Pervasive oxidation obscures rock textures. Interval has rubbly patches.							
						MD	OR	RB	OXI	4I		
						LT	GN		PHC	3I		
									PHC	4I		
10.65	16.31	5.66	QFP	FG	Alternating patches of medium grey and purple quartz feldspar porphyry dyke. Strong oxidation along and around fracture surfaces. Hosts a smokey quartz breccia at 14.33m							
						MD	GY	PA	OXI	4I		
						MD	OR					
						DK	PU	PO				
16.31	20.09	3.78	GRD	MG	Weak to moderately argillic/propyllitic/potassic altered granodiorite.							
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	3I		
						DK	GN		ARG	2I		
									POT	2I		
20.09	21.38	1.29	QFP	FG	Large alternating patches of light grey and purple quartz feldspar porphyry dyke. Moderate oxidation along fracture surfaces. Hosts minor white carbonate and smokey quartz veining.							
						MD	PU					
						LT	PU	PO				
						LT	GY	PA	OXI	3I	Py	0.1
21.38	28.50	7.12	QFP	FG	Light grey/green phyllic(?) altered quartz feldspar porphyry dyke. Weak to moderate oxidation along fracture surfaces with oxidation decreasing with depth. Hosts disseminated pyrite, pyrite stringers and a quartz pyrite vein. Phenocrysts are 0.1-0.3cm in size.							
						LT	GY	PO	PHC	2I	Py	1
						LT	GN		PHC	3I		
									OXI	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
28.50	35.46	6.96	QFP	FG	Silicified dark grey/green/purple quartz feldspar porphyry dyke. Hots larger phenocrysts then previous dyke interval. Up to 0.8cm wide.							
						DK	GY	PO	SIL	3I		
						DK	GN					
						DK	PU					
35.46	44.05	8.59	QFP	FG	Light to medium grey/green phyllic(?) altered quartz feldspar porphyry dyke. Weak to moderate oxidation along fracture surfaces with oxidation decreasing with depth. Hosts disseminated pyrite, pyrite stringers and a quartz pyrite vein. Phenocrysts are 0.1-0.3cm in size.							
						MD	GY		OXI	3I		
						MD	OR					
						MD	GY		PHC	3I		
						LT	GY	PO	PHC	2I	Py	0.1
						LT	GY		OXI	2I		
44.05	44.30	0.25	VEN	--	Medium grey to milky white quartz vein hosting disseminated to blebby pyrite, chalcopyrite and minor amounts of interstitial white carbonate.							
						MD	GY				Py	40
						LT	WH				Cp	2
44.30	44.50	0.20	GRD	MG	7cm of silicified weakly propyllitic and potassic altered granodiorite and 13cm of grey gouge at granodiorite/dyke contact.							
						MD	GY		PRO	2I		
						LT	GY		SIL	3I		
						DK	GN		POT	2I		
44.50	61.32	16.82	QFP	FG	Alternating patches of light grey and light grey/purple quartz feldspar porphyry dyke. Host multiple rubble zone and zones of partial gouge alteration.							
						LT	GY					
						LT	PU					
65.79	75.29	9.50	QFP	FG	Light to medium grey and tan quartz feldspar porphyry dyke with minor patches of partial gouge alteration.							
						MD	GY					
						LT	GY	PO				
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.29	81.06	5.77	QFP	FG	Silicified weak to moderately phyllic and propyllitic altered granodiorite with minor patches of moderate argillic alteration. Hosts disseminated pyrite.							
						MD	GY					
						MD	GN					
						LT	GY					
						LT	GN					
81.06	82.04	0.98	GRD	MG	Strongly silicified strongly phyllic altered granodiorite. Hosts disseminated pyrite, multiple quartz/sulphide veins and pyrite stringers.							
						LT	GY		PHC	4I	Py	1
						LT	GN		SIL	4I		
						LT	WH					
82.04	100.43	18.39	QFP	FG	Alternating patches of light grey, light tan and medium grey/green dyke. Hosts multiple black breccias.							
						MD	GY					
						MD	GN					
						LT	GY	PO				
						LT	TN					
100.43	100.90	0.47	BXA	--	Grey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite, quartz/pyrite vein, and smokey quartz vein that hosts pyrite, arsenopyrite, galena and sphalerite. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.							
						MD	GY	BX			As	1
						DK	GY				Gn	1
											Py	5
											Sp	1
100.90	109.16	8.26	QFP	FG	Alternating patches of light grey, light tan and medium grey/green dyke. Hosts multiple black breccias.							
						MD	GY					
						MD	GN					
						LT	GY	PO				
						LT	TN	PA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
109.16	110.81	1.65	BXA	--	Large smokey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz/pyrite vein. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.							
						MD	GY	BX			Py	15
						DK	GY				Gn	0.1
											As	0.1
											Sp	0
110.81	125.11	14.30	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy moderate propyllitic alteration. Phyllic alteration hosts multiple quartz/pyrite veins and pyrite stringers.							
						MD	GN		PRO	3I		
						MD	GY					
						LT	GN	PA	PHC	3I	Py	1
						DK	GN		SIL	3I		
125.11	127.10	1.99	GRD	MG	Moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.85	10.65	8.80	GRD	MG	Strongly pervasively oxidized, patchy moderate to strong phyllic altered granodiorite with the alteration intensity increasing with proximity to dyke contact. Pervasive oxidation obscures rock textures. Interval has rubbly patches.							
						LT	GN		PHC	3I		
						MD	OR	RB	OXI	4I		
									PHC	4I		
10.65	16.31	5.66	QFP	FG	Alternating patches of medium grey and purple quartz feldspar porphyry dyke. Strong oxidation along and around fracture surfaces. Hosts a smokey quartz breccia at 14.33m							
						MD	GY	PA	OXI	4I		
						DK	PU	PO				
						MD	OR					
16.31	20.09	3.78	GRD	MG	Weak to moderately argillic/propyllitic/potassic altered granodiorite.							
									POT	2I		
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	3I		
						DK	GN		ARG	2I		
20.09	44.05	23.96	QFP	FG	Large alternating patches of light grey/green and purple quartz feldspar porphyry dyke. Weak to moderate oxidation along fracture surfaces with intensity decreasing with depth. Grey/green dyke hosts disseminated pyrite and pyrite stringers.							
						LT	GY	PA	OXI	3I	Py	0.1
						MD	PU					
						LT	GN	PO	OXI	2I		
44.05	44.30	0.25	VEN	--	Medium grey to milky white quartz vein hosting disseminated to blebby pyrite, chalcopyrite and minor amounts of interstitial white carbonate.							
						MD	GY				Py	40
						LT	WH				Cp	2
44.30	44.50	0.20	GRD	MG	7cm of silicified weakly propyllitic and potassic altered granodiorite and 13cm of grey gouge at granodiorite/dyke contact.							
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						LT	GY		SIL	3I		
44.50	61.32	16.82	QFP	FG	Alternating patches of light grey and light grey/purple quartz feldspar porphyry dyke. Host multiple rubble zone and zones of partial gouge alteration.							
						LT	GY					
						LT	PU					
61.32	65.79	4.47	QFP	FG	Silicified weak to moderately phyllic and propyllitic altered granodiorite with minor patches of moderate argillic alteration. Hosts disseminated pyrite, a large quartz/pyrite vein and breccias at both dyke contacts.							
						LT	GY	PO	PHC	2I	Py	0.1
						MD	GN					
						MD	GY					
						LT	GN		PHC	3I		
65.79	75.29	9.50	QFP	FG	Light to medium grey and tan quartz feldspar porphyry dyke with minor patches of partial gouge alteration.							
						MD	GY					
						LT	GY	PO				
						LT	TN					
75.29	81.06	5.77	QFP	FG	Silicified weak to moderately phyllic and propyllitic altered granodiorite with minor patches of moderate argillic alteration. Hosts disseminated pyrite.							
						LT	GY					
						LT	GN					
						MD	GY					
						MD	GN					
81.06	82.04	0.98	GRD	MG	Strongly silicified strongly phyllic altered granodiorite. Hosts disseminated pyrite, multiple quartz/sulphide veins and pyrite stringers.							
						LT	GY		PHC	4I	Py	1
						LT	WH					
						LT	GN		SIL	4I		
82.04	100.43	18.39	QFP	FG	Alternating patches of light grey, light tan and medium grey/green dyke. Hosts multiple black breccias.							
						MD	GN					
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	GY	PO				
100.43	100.90	0.47	BXA	--	Grey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite, quartz/pyrite vein, and smokey quartz vein that hosts pyrite, arsenopyrite, galena and sphalerite. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.							
											Py	5
						MD	GY	BX			As	1
						DK	GY				Gn	1
											Sp	1
100.90	109.16	8.26	QFP	FG	Alternating patches of light grey, light tan and medium grey/green dyke. Hosts multiple black breccias.							
						MD	GN					
						MD	GY					
						LT	GY	PO				
						LT	TN	PA				
109.16	110.81	1.65	BXA	--	Large smokey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz/pyrite vein. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.							
											Sp	0
						MD	GY	BX			Py	15
											As	0.1
						DK	GY				Gn	0.1
110.81	125.11	14.30	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy moderate propyllitic alteration. Phyllic alteration hosts multiple quartz/pyrite veins and pyrite stringers.							
						LT	GN	PA	PHC	3I	Py	1
						MD	GN		PRO	3I		
						DK	GN		SIL	3I		
						MD	GY					
125.11	127.10	1.99	GRD	MG	Moderately propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0.25	12	0.00	0	--	2H	3W	
2.13	5.18	3.05	2.26	74	0.11	4	--	1H	3W	
5.18	8.23	3.05	2.86	94	0.57	19	--	3H	2W	
8.23	11.28	3.05	3.05	100	1.01	33	--	1H	2W	
11.28	14.33	3.05	3	98	2.60	85	--	3H	1W	
14.33	17.37	3.04	3.04	100	2.81	92	--	3H	1W	
17.37	20.42	3.05	2.99	98	1.58	52	--	3H	1W	
20.42	23.47	3.05	3.05	100	2.08	68	--	3H	1W	
23.47	26.52	3.05	3.02	99	2.56	84	--	3H	1W	
26.52	29.57	3.05	3.05	100	2.82	92	--	3H	1W	
29.57	32.61	3.04	2.88	95	1.58	52	--	4H	2W	
32.61	35.66	3.05	2.77	91	1.75	57	--	4H	2W	
35.66	38.71	3.05	2.8	92	1.80	59	--	3H	2W	
38.71	41.76	3.05	2.11	69	0.64	21	--	3H	3W	Contains rubbly oxidized zone
41.76	44.81	3.05	2.65	87	1.41	46	--	3H	2W	
44.81	47.85	3.04	2.25	74	1.04	34	--	2H	2W	Rubble zone
47.85	50.90	3.05	2.81	92	0.82	27	--	3H	1W	
50.90	53.95	3.05	2.35	77	0.95	31	--	3H	1W	
53.95	57.00	3.05	1.75	57	0.00	0	--	2H	1W	Rubble zone
57.00	60.05	3.05	2.67	88	1.51	50	--	3H	1W	
60.05	63.09	3.04	2.55	84	0.85	28	--	1H	1W	Contains gouge zone
63.09	66.14	3.05	2.58	85	0.60	20	--	3H	1W	
66.14	69.19	3.05	2.52	83	0.57	19	--	2H	1W	
69.19	72.24	3.05	2.91	95	1.45	48	--	3H	1W	
72.24	75.29	3.05	2.43	80	0.14	5	--	2H	1W	
75.29	78.33	3.04	2.44	80	0.66	22	--	2H	1W	
78.33	81.38	3.05	3.03	99	2.20	72	--	3H	1W	
81.38	84.43	3.05	3	98	2.05	67	--	2H	1W	
84.43	87.48	3.05	2.97	97	1.78	58	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.77	91	2.23	73	--	3H	1W	
90.53	93.57	3.04	3	99	2.44	80	--	3H	1W	
93.57	96.62	3.05	3.05	100	2.20	72	--	3H	1W	
96.62	99.67	3.05	2.83	93	0.92	30	--	3H	1W	
99.67	102.72	3.05	3.04	100	1.36	45	--	1H	1W	
102.72	105.77	3.05	3	98	1.54	50	--	3H	1W	
105.77	108.81	3.04	2.94	97	1.68	55	--	3H	1W	
108.81	111.86	3.05	3.02	99	1.96	64	--	3H	1W	
111.86	114.91	3.05	2.98	98	2.41	79	--	3H	1W	
114.91	117.96	3.05	3.05	100	1.49	49	--	3H	1W	
117.96	121.01	3.05	3.03	99	2.34	77	--	3H	1W	
121.01	124.05	3.04	2.99	98	2.42	80	--	3H	1W	
124.05	127.10	3.05	2.48	81	1.63	53	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	18.3	GRD	
3	0.295	GRD	
4	0.261	GRD	
5	0.352	GRD	
6	0.177	GRD	
7	2.26	GRD	
8	0.638	GRD	
9	0.272	GRD	
10	0.56	GRD	
11	0.729	QFP	
12	0.855	QFP	
13	0.272	QFP	
14	0.873	QFP	
15	0.282	QFP	
16	0.264	QFP	
17	0.361	GRD	
18	1.68	GRD	
19	0.33	GRD	
20	0.255	GRD	
21	11.15	QFP	
22	0.272	QFP	
23	0.197	QFP	
24	0.257	QFP	
25	0.226	QFP	
26	0.213	QFP	
27	0.297	QFP	
28	0.686	QFP	
29	1.1	QFP	
30	1.59	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	1.39	QFP	
32	0.923	QFP	
33	1.9	QFP	
34	5.07	QFP	
35	0.353	QFP	
36	0.248	QFP	
37	0.165	QFP	
38	0.151	QFP	
39	0.232	QFP	
40	0.35	QFP	
41	0.356	QFP	
42	0.5	QFP	
43	0.127	QFP	
44	0.047	QFP	
45	0.569	QFP	
46	0.405	QFP	
47	0.048	QFP	
48	0.108	QFP	
49	0.16	QFP	
50	0.174	QFP	
51	0.165	QFP	
52	0.145	QFP	
53	0.112	QFP	
54	0.134	QFP	
55	0.109	QFP	
56	0.177	QFP	
57	0.238	QFP	
58	0.25	QFP	
59	0.184	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
60	0.239	QFP	
61	0.258	QFP	
62	0.267	QFP	
63	0.356	QFP	
64	0.235	QFP	
65	0.122	QFP	
66	0.233	QFP	
67	0.266	QFP	
68	0.317	QFP	
69	0.299	QFP	
70	0.338	QFP	
71	0.283	QFP	
72	0.126	QFP	
73	0.246	QFP	
74	0.216	QFP	
75	0.218	QFP	
76	0.229	QFP	
77	0.235	QFP	
78	0.194	QFP	
79	0.191	QFP	
80	0.172	QFP	
81	0.196	QFP	
82	0.041	GRD	
83	0.171	QFP	
84	0.311	QFP	
85	0.324	QFP	
86	0.302	QFP	
87	0.732	QFP	
88	0.759	QFP	
89	0.194	QFP	
90	0.236	QFP	
91	0.302	QFP	
92	0.276	QFP	
93	0.23	QFP	
94	0.602	QFP	
95	0.29	QFP	
96	0.266	QFP	
97	0.258	QFP	
98	0.284	QFP	
99	0.274	QFP	
100	0.265	QFP	
101	0.235	QFP	
102	0.164	QFP	
103	0.212	QFP	
104	0.18	QFP	
105	0.287	QFP	
106	0.192	QFP	
107	0.415	QFP	
108	0.253	QFP	
109	0.198	QFP	
110	0.399	BXA	
111	0.559	GRD	
112	0.426	GRD	
113	0.295	GRD	
114	1.62	GRD	
115	0.487	GRD	
116	0.239	GRD	
117	0.265	GRD	
118	0.419	GRD	
119	0.357	GRD	
120	0.242	GRD	
121	0.69	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	0.419	GRD	
123	0.938	GRD	
124	0.249	GRD	
125	0.265	GRD	
126	0.337	GRD	
127	0.323	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292388	☐	16-017		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292411	☐	16-018		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292419	☐	16-018			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292430	☐	16-018			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292433	☐	16-018		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292443	☐	16-019		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292447	☐	16-019			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292456	☐	16-019			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292383	☐	16-017			☑	☐	☐
8.18	8.72	0.54	GRD	0.54	100	K292381	☐	16-017			☐	☐	☐
8.72	9.24	0.52	GRD	0.52	100	K292382	☐	16-017			☐	☐	☐
9.24	9.76	0.52	GRD	0.52	100	K292384	☐	16-017			☐	☐	☐
9.76	10.76	1.00	GRD	0.95	95	K292385	☐	16-017			☐	☐	☐
16.35	17.23	0.88	GRD	0.85	97	K292386	☐	16-017			☐	☐	☐
17.23	19.16	1.93	GRD	1.81	94	K292387	☐	16-017			☐	☐	☐
19.16	20.08	0.92	GRD	0.92	100	K292389	☐	16-017			☐	☐	☐
20.08	21.28	1.20	GRD	1.20	100	K292390	☐	16-017			☐	☐	☐
21.28	21.92	0.64	QFP	0.53	83	K292391	☐	16-017			☐	☐	☐
21.28	21.92	0.64	QFP	0.53	83	K292392	☐	16-017			☐	☑	☐
21.92	22.49	0.57	QFP	0.56	98	K292393	☐	16-017			☐	☐	☐
22.49	23.47	0.98	QFP	0.98	100	K292394	☐	16-017			☐	☐	☐
23.47	24.10	0.63	QFP	0.63	100	K292395	☐	16-017			☐	☐	☐
24.10	26.52	2.42	QFP	2.40	99	K292396	☐	16-017			☐	☐	☐
24.10	26.52	2.42	QFP	2.40	99	K292397	☐	16-017			☐	☐	☑
26.52	28.35	1.83	QFP	1.81	99	K292398	☐	16-017			☐	☐	☐
35.66	38.71	3.05	QFP	3.05	100	K292399	☐	16-017			☐	☐	☐
38.71	40.11	1.40	QFP	1.40	100	K292400	☐	16-017			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
40.11	41.97	1.86	QFP	1.71	92	K292401	☐	16-017			☐	☐	☐
41.97	42.56	0.59	QFP	0.58	98	K292402	☐	16-017			☐	☐	☐
42.56	43.06	0.50	QFP	0.50	100	K292403	☐	16-017			☐	☐	☐
43.06	43.80	0.74	QFP	0.65	88	K292404	☐	16-017			☐	☐	☐
43.80	44.57	0.77	QFP	0.51	66	K292405	☐	16-018			☐	☐	☐
44.57	45.07	0.50	QFP	0.50	100	K292406	☐	16-018			☐	☐	☐
45.07	45.63	0.56	QFP	0.55	98	K292407	☐	16-018			☐	☐	☐
60.05	60.59	0.54	QFP	0.54	100	K292408	☐	16-018			☐	☐	☐
60.59	61.09	0.50	QFP	0.50	100	K292409	☐	16-018			☐	☐	☐
61.09	61.59	0.50	QFP	0.50	100	K292410	☐	16-018			☐	☐	☐
61.59	62.24	0.65	QFP	0.62	95	K292412	☐	16-018			☐	☐	☐
62.24	62.84	0.60	QFP	0.60	100	K292413	☐	16-018			☐	☐	☐
62.84	63.70	0.86	QFP	0.80	93	K292414	☐	16-018			☐	☐	☐
63.70	64.25	0.55	QFP	0.55	100	K292415	☐	16-018			☐	☐	☐
63.70	64.25	0.55	QFP	0.55	100	K292416	☐	16-018			☐	☐	☑
64.25	65.10	0.85	QFP	0.54	64	K292417	☐	16-018			☐	☐	☐
65.10	65.73	0.63	QFP	0.63	100	K292418	☐	16-018			☐	☐	☐
65.73	66.23	0.50	QFP	0.50	100	K292420	☐	16-018			☐	☐	☐
66.23	66.77	0.54	QFP	0.50	93	K292421	☐	16-018			☐	☐	☐
75.29	76.58	1.29	QFP, QFP	1.19	92	K292422	☐	16-018			☐	☐	☐
76.58	77.76	1.18	QFP	0.80	68	K292423	☐	16-018			☐	☐	☐
77.76	79.99	2.23	QFP	2.21	99	K292424	☐	16-018			☐	☐	☐
77.76	79.99	2.23	QFP	2.21	99	K292425	☐	16-018			☐	☑	☐
79.99	80.51	0.52	QFP	0.50	96	K292426	☐	16-018			☐	☐	☐
80.51	81.18	0.67	QFP	0.63	94	K292427	☐	16-018			☐	☐	☐
81.18	81.82	0.64	GRD	0.64	100	K292428	☐	16-018			☐	☐	☐
81.82	82.65	0.83	GRD	0.83	100	K292429	☐	16-018			☐	☐	☐
82.65	83.16	0.51	QFP	0.51	100	K292431	☐	16-018			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
83.16	83.75	0.59	QFP	0.59	100	K292432	☐	16-018			☐	☐	☐
83.75	84.25	0.50	QFP	0.50	100	K292434	☐	16-018			☐	☐	☐
99.20	100.30	1.10	QFP	1.08	98	K292435	☐	16-018			☐	☐	☐
100.30	100.96	0.66	QFP	0.66	100	K292729	☐	16-020	HG		☐	☐	☐
100.96	101.46	0.50	QFP	0.50	100	K292436	☐	16-018			☐	☐	☐
101.46	101.97	0.51	QFP	0.50	98	K292437	☐	16-018			☐	☐	☐
101.97	102.47	0.50	QFP	0.50	100	K292438	☐	16-018			☐	☐	☐
102.47	103.23	0.76	QFP	0.76	100	K292439	☐	16-018			☐	☐	☐
103.23	104.57	1.34	QFP	1.34	100	K292440	☐	16-018			☐	☐	☐
104.57	105.62	1.05	QFP	0.87	83	K292441	☐	16-019			☐	☐	☐
105.62	108.17	2.55	QFP	2.55	100	K292442	☐	16-019			☐	☐	☐
108.17	108.67	0.50	QFP	0.50	100	K292444	☐	16-019			☐	☐	☐
108.67	109.17	0.50	QFP	0.50	100	K292445	☐	16-019			☐	☐	☐
109.17	109.80	0.63	BXA	0.63	100	K292446	☐	16-019			☐	☐	☐
109.80	110.30	0.50	BXA	0.50	100	K292448	☐	16-019			☐	☐	☐
110.30	110.84	0.54	BXA	0.52	96	K292449	☐	16-019			☐	☐	☐
110.84	111.50	0.66	GRD	0.66	100	K292450	☐	16-019			☐	☐	☐
110.84	111.50	0.66	GRD	0.66	100	K292451	☐	16-019			☐	☐	☑
111.50	113.06	1.56	GRD	1.56	100	K292452	☐	16-019			☐	☐	☐
113.06	114.35	1.29	GRD	1.26	98	K292453	☐	16-019			☐	☐	☐
114.35	116.13	1.78	GRD	1.76	99	K292454	☐	16-019			☐	☐	☐
116.13	116.67	0.54	GRD	0.54	100	K292455	☐	16-019			☐	☐	☐
116.67	117.60	0.93	GRD	0.93	100	K292457	☐	16-019			☐	☐	☐
117.60	119.60	2.00	GRD	2.00	100	K292458	☐	16-019			☐	☐	☐
119.60	121.17	1.57	GRD	1.57	100	K292459	☐	16-019			☐	☐	☐
121.17	122.50	1.33	GRD	1.33	100	K292460	☐	16-019			☐	☐	☐
121.17	122.50	1.33	GRD	1.33	100	K292461	☐	16-019			☐	☑	☐
122.50	123.60	1.10	GRD	1.10	100	K292462	☐	16-019			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
123.60	125.07	1.47	GRD	1.47	100	K292463	☐	16-019			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.18			☐	☐	☐	☐	
16-019	K292443	0.00	0.00	0.94	1170	☐	☐	☐	☑ KL-STD5	
16-019	K292447	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-019	K292456	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-018	K292411	0.00	0.00	0.90	1100	☐	☐	☐	☑ KL-STD5	
16-018	K292419	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-018	K292430	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-018	K292433	0.00	0.00	0.35	740	☐	☐	☐	☑ KL-STD4	
16-017	K292383	0.00	0.00	0.00	310	☐	☐	☑	☐	
16-017	K292388	0.00	0.00	0.88	890	☐	☐	☐	☑ KL-STD5	
16-017	K292381	8.18	8.72	0.14	1510	☐	☐	☐	☐	
16-017	K292382	8.72	9.24	0.07	3850	☐	☐	☐	☐	
16-017	K292384	9.24	9.76	0.02	800	☐	☐	☐	☐	
16-017	K292385	9.76	10.76	0.03	3370	☐	☐	☐	☐	
		10.76	16.35			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-017	K292386	16.35	17.23	0.03	2410	☐	☐	☐	☐	
16-017	K292387	17.23	19.16	0.02	1580	☐	☐	☐	☐	
16-017	K292389	19.16	20.08	0.04	1150	☐	☐	☐	☐	
16-017	K292390	20.08	21.28	0.02	1270	☐	☐	☐	☐	
16-017	K292391	21.28	21.92	0.05	640	☐	☐	☐	☐	
16-017	K292392	21.28	21.92	0.05	640	☑	☐	☐	☐	
16-017	K292393	21.92	22.49	0.30	430	☐	☐	☐	☐	
16-017	K292394	22.49	23.47	0.05	310	☐	☐	☐	☐	
16-017	K292395	23.47	24.10	0.08	500	☐	☐	☐	☐	
16-017	K292396	24.10	26.52	0.04	490	☐	☐	☐	☐	
16-017	K292397	24.10	26.52	0.04	370	☐	☑	☐	☐	
16-017	K292398	26.52	28.35	0.03	590	☐	☐	☐	☐	
		28.35	35.66			☐	☐	☐	☐	
16-017	K292399	35.66	38.71	0.03	1740	☐	☐	☐	☐	
16-017	K292400	38.71	40.11	0.03	1730	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-017	K292401	40.11	41.97	0.10	530	☐	☐	☐	☐	
16-017	K292402	41.97	42.56	0.09	1460	☐	☐	☐	☐	
16-017	K292403	42.56	43.06	0.19	960	☐	☐	☐	☐	
16-017	K292404	43.06	43.80	0.07	360	☐	☐	☐	☐	
16-018	K292405	43.80	44.57	1.68	900	☐	☐	☐	☐	
16-018	K292406	44.57	45.07	0.00	1020	☐	☐	☐	☐	
16-018	K292407	45.07	45.63	0.00	890	☐	☐	☐	☐	
		45.63	60.05			☐	☐	☐	☐	
16-018	K292408	60.05	60.59	0.00	1720	☐	☐	☐	☐	
16-018	K292409	60.59	61.09	0.01	1660	☐	☐	☐	☐	
16-018	K292410	61.09	61.59	0.09	1060	☐	☐	☐	☐	
16-018	K292412	61.59	62.24	0.15	1380	☐	☐	☐	☐	
16-018	K292413	62.24	62.84	0.02	1270	☐	☐	☐	☐	
16-018	K292414	62.84	63.70	0.08	1240	☐	☐	☐	☐	
16-018	K292415	63.70	64.25	0.11	870	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-018	K292416	63.70	64.25	0.11	720	☐	☑	☐	☐	
16-018	K292417	64.25	65.10	0.07	710	☐	☐	☐	☐	
16-018	K292418	65.10	65.73	0.57	710	☐	☐	☐	☐	
16-018	K292420	65.73	66.23	0.02	2800	☐	☐	☐	☐	
16-018	K292421	66.23	66.77	0.05	1520	☐	☐	☐	☐	
		66.77	75.29			☐	☐	☐	☐	
16-018	K292422	75.29	76.58	0.16	970	☐	☐	☐	☐	
16-018	K292423	76.58	77.76	0.09	940	☐	☐	☐	☐	
16-018	K292424	77.76	79.99	0.08	850	☐	☐	☐	☐	
16-018	K292425	77.76	79.99	0.09	750	☑	☐	☐	☐	
16-018	K292426	79.99	80.51	0.15	670	☐	☐	☐	☐	
16-018	K292427	80.51	81.18	0.62	930	☐	☐	☐	☐	
16-018	K292428	81.18	81.82	0.53	220	☐	☐	☐	☐	
16-018	K292429	81.82	82.65	1.47	520	☐	☐	☐	☐	
16-018	K292431	82.65	83.16	1.02	600	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-018	K292432	83.16	83.75	0.07	490	☐	☐	☐	☐	
16-018	K292434	83.75	84.25	0.22	1140	☐	☐	☐	☐	
		84.25	99.20			☐	☐	☐	☐	
16-018	K292435	99.20	100.30	0.01	2090	☐	☐	☐	☐	
16-020	K292729	100.30	100.96	12.95	320	☐	☐	☐	☐	
16-018	K292436	100.96	101.46	0.16	570	☐	☐	☐	☐	
16-018	K292437	101.46	101.97	0.01	610	☐	☐	☐	☐	
16-018	K292438	101.97	102.47	0.00	4830	☐	☐	☐	☐	
16-018	K292439	102.47	103.23	0.02	1800	☐	☐	☐	☐	
16-018	K292440	103.23	104.57	0.01	1110	☐	☐	☐	☐	
16-019	K292441	104.57	105.62	0.06	730	☐	☐	☐	☐	
16-019	K292442	105.62	108.17	0.01	2070	☐	☐	☐	☐	
16-019	K292444	108.17	108.67	0.01	1390	☐	☐	☐	☐	
16-019	K292445	108.67	109.17	0.16	850	☐	☐	☐	☐	
16-019	K292446	109.17	109.80	7.07	860	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-019	K292448	109.80	110.30	0.62	1090	☐	☐	☐	☐	
16-019	K292449	110.30	110.84	0.30	1330	☐	☐	☐	☐	
16-019	K292450	110.84	111.50	0.09	1060	☐	☐	☐	☐	
16-019	K292451	110.84	111.50	0.08	1120	☐	☑	☐	☐	
16-019	K292452	111.50	113.06	0.01	1670	☐	☐	☐	☐	
16-019	K292453	113.06	114.35	0.04	1880	☐	☐	☐	☐	
16-019	K292454	114.35	116.13	0.06	1450	☐	☐	☐	☐	
16-019	K292455	116.13	116.67	0.22	2020	☐	☐	☐	☐	
16-019	K292457	116.67	117.60	0.09	1160	☐	☐	☐	☐	
16-019	K292458	117.60	119.60	0.03	2080	☐	☐	☐	☐	
16-019	K292459	119.60	121.17	0.21	1030	☐	☐	☐	☐	
16-019	K292460	121.17	122.50	0.10	920	☐	☐	☐	☐	
16-019	K292461	121.17	122.50	0.13	930	☑	☐	☐	☐	
16-019	K292462	122.50	123.60	0.29	740	☐	☐	☐	☐	
16-019	K292463	123.60	125.07	0.07	980	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t
		######	######		

¼ Dup	Crs. Dup	Blk	Standard	Comments
☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
8.65	8.68	VT	37	80	NUL	1	small quartz carbonate stringer cross cutting moderate argillic altered granodiorite with phyllic overprinting.			
9.07	9.19	ST		80	NUL	2	gouge altered propylitic altered granodiorite. Has slight quartz flooding, with blebby pyrite. Resembles a quartz flooded area, with no difinitive vein.			
								Py	4	BL
9.19	9.33	GO	34	-	NUL	1	Moderately gouge altered grandiorite.			
10.71	10.76	GO	34	45	NUL	1	Severely altered gouge			
13.57	13.63	BX	34	65	NUL	1	Smoky quartz brecciating green quartz feldspar porphyry. Quartz/carbonate stringers present throughout breccia, extending into dyke. Strong oxidation present. Trace disseminated pyrite present.			
								Py	0.1	DI
14.33	14.43	BX	34	-	NUL	1	Smoky quartz breccia intruding green to brown quartz feldspar porphyry dyke. Displays heavy oxidation in patches. Trace disseminated pyrite present.			
								Py	0.1	DI
16.29	16.36	BX	34	40	NUL	1	Quartz/carbonate vein cross cutting weakly argillic/phyllic altered granodiorite. Oxidaton present along zone. No mineralizaton present.			
17.23	17.26	VN	37	85	NUL	1	Smoky quartz vein hosting disseminated pyrite. Contains a band of argillic/phyllic altered granodiorite in the middle of the vein.			
								Py	1	DI
20.81	20.91	BX	34	70	NUL	1	Net of smokey quartz and white carbonate veinlets in dyke.			
21.95	22.08	VN	37	60	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	20	BL
22.13	22.34	BX	34	-	NUL	1	Net of smokey quartz and white carbonate hosting disseminated pyrite.			
								Py	10	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
36.04	36.07	VN	37	50	NUL	1	Grey quartz and white carbonate vein hosting trace disseminated pyrite.			
								Py	0.1	DI
37.20	38.71	VT	37	70	NUL	1	Three 0.1-0.2cm quartz/pyrite veinlets.			
								Py	50	DI
44.15	44.38	VN	37	70	NUL	1	Light grey to medium grey quartz vein hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Cp	1	DI
								Py	35	BL
44.41	44.56	GO	34	-	NUL	1	Broken up grey gouge zone. Hosts trace disseminated pyrite.			
								Py	0.1	DI
46.90	47.10	GO	34	-	NUL	1	Rubbly partially gouge altered quartz feldspar porphyry dyke.			
47.85	47.89	GO	34	-	NUL	1	Rubbly partially gouge altered quartz feldspar porphyry dyke.			
56.27	56.46	GO	34	-	NUL	1	Grey to dark grey gouge zone in dyke hosting trace disseminated pyrite.			
								Py	1	DI
61.08	61.12	VB	37	80	NUL	1	Dark grey quartz breccia granule to pebble sized clasts of sub-angular to sub-rounded quartz/pyrite vein and quartz feldspar porphyry dyke. Hosts trace disseminated pyrite.			
								Py	1	DI
61.12	61.32	GO	34	-	NUL	1	Strongly gouge altered light tan quartz feldspar porphyry dyke.			
61.32	61.42	VB	37	80	NUL	1	Gouge altered dark grey quartz breccia hosting disseminated to blebby pyrite.			
								Py	5	BL
62.32	62.34	GO	34	80	NUL	1	Broken up, grey to dark grey gouge seam hosting trace disseminated pyrite.			
								Py	1	DI
63.46	63.47	VN	37	60	NUL	1	Grey quartz/white carbonate vein hosting disseminated to blebby pyrite, sphalerite, galena and arsenopyrite.			
								Sp	3	BL
								Gn	2	BL
								As	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	2	BL
65.08	65.20	VN	37	80	NUL	1	Grey quartz vein brecciating phyllic granodiorite. Hosts blebby to semi-massive pyrite.			
								Py	70	MA
65.56	65.75	BX	34	-	NUL	1	Grey quartz breccia with clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz vein hosting disseminated to blebby pyrite.			
								Py	8	BL
75.62	75.66	GO	34	-	NUL	1	Grey gouge zone in dyke. Hosts trace disseminated pyrite.			
								Py	0.1	DI
77.04	77.12	BX	34	60	NUL	1	Dark grey quartz breccia pebble sized quartz feldspar porphyry dyke clasts. Hosts disseminated pyrite.			
79.99	80.00	GO	34	75	NUL	1	Grey gouge seam.			
81.28	81.29	VN	37	70	NUL	1	Banded smoky quartz and blebby pyrite vein.			
								Py	50	BL
81.50	81.80	VT	37	70	NUL	4	Four 0.1cm quartz/pyrite stringers.			
								Py	50	DI
81.82	81.86	VN	37	70	NUL	1	Grey to milky white quartz vein hosting disseminated to blebby pyrite.			
								Py	15	BL
81.96	82.10	VN	37	35	NUL	1	Light to medium grey quartz vein hosting disseminated to blebby pyrite.			
								Py	10	BL
82.18	82.19	VN	37	75	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	40	BL
82.21	82.64	BX	34	-	NUL	1	Partially gouge altered black breccia with granule to pebble sized sub-angular to sub-rounded clasts of phyllic granodiorite/quartz feldspar porphyry dyke and quartz/pyrite vein.			
								Py	5	DI
82.82	83.20	ST		-	NUL	1	Interconnected net of smokey quartz stringers.			
83.22	84.22	BX	34	-	NUL	1	Smoky quartz brecciating quartz feldspar porphyry dyke. Hosts trace disseminated pyrite.			
								Py	0.1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
100.43	100.90	BX	34	60	NUL	1	Grey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite, quartz/pyrite vein, and smokey quartz vein that hosts pyrite, arsenopyrite, galena and sphalerite. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.			
								Gn	1	DI
								Py	5	BL
								Sp	1	DI
								As	1	DI
102.78	103.16	BX	34	60	NUL	1	Black breccia with sub-angular clasts of quartz feldspar porphyry dyke. Quartz matrix hosts trace disseminated pyrite.			
								Py	0.1	DI
105.50	105.53	VB	37	40	NUL	1	Black vein breccia hosting sub-angular clasts of quartz feldspar porphyry dyke. Quartz matrix hosts trace disseminated pyrite.			
								Py	0.1	DI
105.53	105.57	GO	34	40	NUL	1	Seam of grey gouge alteration.			
109.16	110.81	BX	34	40	NUL	1	Large smokey quartz breccia along lower dyke selvedge. Has sub-rounded to rounded clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz/pyrite vein. Has a 7cm semi-massive pyrite breccia and a 1 cm quartz vein along its upper selvedge hosting disseminated pyrite, arsenopyrite, honey brown sphalerite and galena.			
								Gn	0.1	DI
								Sp	0	DI
								As	0.1	DI
								Py	15	BL
111.35	111.37	VN	37	50	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	25	BL
113.16	113.17	VN	37	40	NUL	1	Gray quartz vein with interstitial tan ankerite. Host disseminated pyrite and honey brown sphalerite.			
								Py	1	DI
								Sp	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
113.51	113.52	VT	37	40	NUL	1	0.8cm grey quartz veinlet hosting blebby pyrite.			
								Py	50	BL
115.14	115.15	VT	37	50	NUL	1	Grey quartz veinlet with interstitial tan ankerite. Hosts disseminated to blebby pyrite and disseminated blackjack sphalerite.			
								Py	20	BL
								Sp	0.1	DI
115.49	115.50	VT	37	60	NUL	1	0.5cm smoky quartz veinlet with a tan ankerite stringer along its upper selvedge.			
								Py	5	DI
116.13	116.43	BX	34	-	NUL	1	Grey quartz/light tan ankerite veining brecciates strong phyllic granodiorite. Cobble sized sub-rounded clasts of silicified phyllic granodiorite. Breccia hosts disseminated to blebby pyrite and honey brown sphalerite.			
								Py	10	BL
								Sp	2	BL
117.07	117.09	VN	37	40	NUL	1	Medium to dark grey quartz vein with interstitial tan ankerite hosting disseminated to blebby pyrite.			
								Py	15	BL
120.74	120.82	VN	37	40	NUL	1	Significantly gouge altered grey quartz vein breccia hosting disseminated to blebby pyrite.			
								Py	10	BL
122.62	123.07	VT	37	30	NUL	1	Partially interconnected sheeted quartz/pyrite veinlets oriented at 30 degrees TCA. Quartz hosts interstitial white carbonate?			
								Py	10	BL
123.22	123.25	VN	37	30	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	20	BL
123.44	123.53	VN	37	40	NUL	1	Two 1-1.5cm grey quartz vein hosting disseminated to blebby pyrite.			
								Py	20	BL
124.36	124.73	VT	37	50	NUL	2	Three 0.7cm quartz/pyrite veinlets.			
								Py	60	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382822	6889057	1435.34	242.93

ZONE: AEX

SECTION:

HOLE: KL-16-303

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 7.32m, Out

Drilling Dates: Jul 03 -

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: AEX

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.13	2.13	OVB
2.13	5.91	3.78	GRD
5.91	15.24	9.33	QFP
15.24	17.37	2.13	GRD
17.37	24.75	7.38	GRD
24.75	31.73	6.98	QFP
31.73	34.27	2.54	GRD
34.27	46.79	12.52	QFP
46.79	47.01	0.22	GRD
47.01	52.42	5.41	QFP
52.42	53.88	1.46	GRD
53.88	65.43	11.55	QFP
65.43	66.75	1.32	GRD
66.75	74.43	7.68	GRD
74.43	79	4.57	GRD
79	94.97	15.97	GRD

SAMPLES	
Numbers:	K292464 to K292607, K292731 to K292736, K292740
Total:	151
Batch:	019, 020, 022, 023, 025, 026
Certificates:	VA16112559, VA16112561, VA16112562, VA16112565, VA16112566, VA16121836

COMMENTS
Missing Downhole Survey

94.97	113.91	18.94	GRD
113.91	115.37	1.46	GRD
115.37	116.64	1.27	QFP
116.64	129.78	13.14	GRD
129.78	152.73	22.95	GRD
152.73	157.58	4.85	QFP
157.58	158.5	0.92	GRD
158.5	158.83	0.33	QFP
158.83	159.31	0.48	BXA
159.31	169.28	9.97	QFP
169.28	175.2	5.92	GRD
175.2	178.44	3.24	QFP
178.44	192.95	14.51	GRD
192.95	216.26	23.31	GRD
216.26	242.93	26.67	GRD

Box Log

KL-16-303

Klaza
AEX Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.02	6.32
2	6.32	10.32
3	10.32	14.33
4	14.33	18.74
5	18.74	23.09
6	23.09	27.23
7	27.23	31.43
8	31.43	35.66
9	35.66	39.75
10	39.75	43.87
11	43.87	47.85
12	47.85	51.73
13	51.73	55.48
14	55.48	59.58
15	59.58	63.72
16	63.72	67.72
17	67.72	71.86
18	71.86	75.89
19	75.89	80
20	80	84.31
21	84.31	88.45
22	88.45	92.59
23	92.59	96.67
24	96.67	101
25	101	105.51
26	105.51	109.7
27	109.7	114.08
28	114.08	118.21
29	118.21	122.67
30	122.67	127
31	127	131.27
32	131.27	135.57
33	135.57	139.59
34	139.59	143.62
35	143.62	148.05
36	148.05	152.17
37	152.17	156.47
38	156.47	160.35
39	160.35	164.63
40	164.63	168.96
41	168.96	172.89
42	172.89	177.09
43	177.09	181.11
44	181.11	185.21
45	185.21	189.4
46	189.4	193.3
47	193.3	197.21
48	197.21	201.13
49	201.13	205.32
50	205.32	209.63
51	209.63	213.82
52	213.82	218.14
53	218.14	222.38
54	222.38	226.62
55	226.62	230.73
56	230.73	235
57	235	239.29
58	239.29	242.93

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-303									
	215.87	16.5	NQ2	GRD	1138.9	802	3.25	3.4	Weak to moderate argillic/phyllic altered granodiorite. Rock carries a 6cm quartz/carbonate vein that hosts massive pyrite, chalcopyrite, and blebby arsenopyrite. Upper selvedge of vein has a quartz/carbonate vein along it.
	218.63	15.5	NQ2	GRD	879.5	582.6	2.67	3.0	Weakly phyllic altered granodiorite carrying a 1.5cm quartz vein that hosts a large amount of blebby pyrite. Disseminated arsenopyrite is found along the selvedges of the pyrite vein.
	227.69	16.6	NQ2	GRD	969.2	641.6	2.75	3.0	Smokey quartz vein (~1cm), enveloped by weak smokey quartz breccia halo. Surrounded by a weak to moderately quartz flooding. Vein hosts semi-massive blebby pyrite and blebby arsenopyrite, and surrounding halo hosts disseminated pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	5.91	3.78	GRD	MG	Patchy weak to moderately oxidized granodiorite.							
						MD	GN	PA	OXI	2I		
						MD	OR		OXI	3I		
5.91	15.24	9.33	QFP	FG	Medium grey quartz feldspar porphyry dyke with patchy weak to moderate oxidation and weak to moderate oxidation along fracture surfaces. Oxidation abundance and intensity decreases with depth.							
						MD	GY	PO				
						MD	OR	PA				
15.24	17.37	2.13	GRD	MG	Pervasively oxidized weak to moderately phyllic altered granodiorite with patchy moderate argillic alteration.							
						MD	OR					
						MD	GN					
						LT	GN					
17.37	21.09	3.72	GRD	MG	Primarily unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
21.09	22.16	1.07	GRD	MG	Moderately phyllic altered granodiorite with patchy oxidized moderate argillic alteration. Hosts a smoky quartz breccia.							
						MD	GN	PA	PHC	3I		
						MD	OR		OXI	3I		
						LT	WH		ARG	3I		
22.16	23.98	1.82	GRD	MG	Primarily unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY					
23.98	24.75	0.77	GRD	MG	Pervasively oxidized weak to moderaelty phyllic altered granodiorite.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
24.75	31.73	6.98	QFP	FG	Patchy pervasively oxidized medium grey quartz feldspar porphyry dyke.							
						MD	OR	PO				
						MD	GY	PA	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.73	34.27	2.54	GRD	MG	Pervasively oxidized patchy moderate phyllic and argillic alteration.							
						MD	OR	PA	OXI	3I		
						MD	GY		PHC	3I		
						LT	WH		ARG	3I		
						LT	GN					
34.27	36.74	2.47	QFP	FG	Light grey quartz feldspar porphyry dyke. Weak to moderate oxidation along fracture surfaces.							
						LT	GY		OXI	2I		
36.74	39.14	2.40	QFP	FG	Grey/brown quartz feldspar porphyry dyke.							
						MD	GN					
						MD	BN					
39.14	44.94	5.80	QFP	FG	Light grey/white quartz feldspar porphyry dyke with weak oxidation along fracture surfaces.							
						MD	OR					
						LT	GY					
						LT	WH					
44.94	46.79	1.85	QFP	FG	Patchy medium grey and brown quartz feldspar porphyry dyke.							
						MD	GY	PA				
						MD	BN					
46.79	47.01	0.22	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						LT	GY		PHC	4I		
47.01	50.75	3.74	QFP	FG	Medium grey quartz feldspar porphyry dyke with patchy moderate oxidation.							
						MD	GY					
						MD	OR					
						LT	GY	PA	OXI	3I		
52.42	53.88	1.46	GRD	MG	Silicified weakly to moderately propyllitic altered granodiorite. Hosts two quartz/carbonate/sulphide vein at upper dyke contact.							
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
53.88	65.43	11.55	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.43	66.75	1.32	GRD	MG	Moderately argillic altered granodiorite with a weak phyllic overprint around quartz/sulphide veining.							
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
66.75	74.43	7.68	GRD	MG	Primarily unaltered granodiorite with minor patches argillic and phyllic alteration.							
						MD	GY	PA	ARG	3I		
						LT	WH		PHC	2I		
						LT	GN					
74.43	79.00	4.57	GRD	MG	Moderately phyllic altered granodiorite with patchy moderate propyllitic alteration. Hosts multiple quartz/sulphide veinlet and a carbonate/sulphide vein. Hosts trace disseminated pyrite.							
						MD	GN		PRO	3I		
						LT	GN	EN	PHC	3I	Py	0.1
						DK	GN					
79.00	85.28	6.28	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic alteration. One moderate phyllic envelope around quartz/carbonate veining.							
						MD	GY	PA	PRO	1I		
						MD	PK		PRO	3I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	2I		
85.28	88.66	3.38	GRD	MG	Partially gouge altered phyllic altered granodiorite. Hosts minor quartz/carbonate veining.							
						LT	GN		PHC	3I		
88.66	94.97	6.31	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	3I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.97	113.91	18.94	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite and seven significant polymetallic quartz/carbonate/sulphide veins along with multiple quartz/sulphide veinlets.							
						LT	GN		PHC	3I	Py	0.1
						LT	GY		PHC	4I		
113.91	115.37	1.46	GRD	MG	Weakly propyllitic and potassic altered granodiorite							
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
115.37	116.64	1.27	QFP	FG	Light to medium green quartz feldspar porphyry dyke.							
						MD	GN					
						LT	GN	PO				
116.64	129.78	13.14	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic alteration and an abundance of phyllic envelopes around minor quartz/carbonate/sulphide veinlets.							
						MD	GY	PA	POT	2I		
						MD	GN		PRO	3I		
						DK	GN	EN	PRO	2I		
									PHC	2I		
									PHC	3I		
129.78	137.27	7.49	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy argillic alteration. Phyllic alteration hosts multiple quartz/carbonate +/- sulphide veins/veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	2I		
									ARG	3I		
137.27	139.44	2.17	GRD	MG	Weakly propyllitic and potassic altered granodiorite with minor weak phyllic envelopes around minor quartz/carbonate veinlets.							
						MD	GY		PRO	2I		
						MD	PK		PHC	2I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.44	142.07	2.63	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy argillic alteration. Phyllic alteration hosts multiple quartz/carbonate +/- sulphide veins/veinlets.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	2I		
									ARG	3I		
142.07	143.16	1.09	GRD	MG	Moderately propyllitic and potassic altered granodiorite.							
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
143.16	152.73	9.57	GRD	MG	Moderately phyllic altered granodiorite with patchy minor weak argillic alteration. Phyllic alteration hosts multiple quartz/carbonate +/- sulphide veins/veinlets. Veining increases with proximity to dyke contact.							
						MD	GN		ARG	2I		
						LT	GN		PHC	3I		
152.73	157.58	4.85	QFP	MG	Grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
157.58	158.50	0.92	GRD	MG	Silicified moderate propyllitic and phyllic alerted granodiorite hosting disseminated pyrite and multiple carbonate veinlets and quartz/pyrite veinlets.							
						MD	GN		PHC	3I		
						MD	GY		SIL	3I	Py	3
						DK	GN		PRO	3I		
158.50	158.83	0.33	QFP	FG	Grey/green quartz feldspar porphyry dyke. Minorly brecciated by quartz/sulphide veining.							
						MD	GN					
						MD	GY				Py	0.1
158.83	159.31	0.48	BXA	MG	Partially gouge altered smoky quartz breccia with pebble sized clast of silicified granodiorite and dyke. Breccia is partially sericite altered. Hosts disseminated to blebby pyrite, blackjack sphalerite and disseminated galena.							
						MD	GY	BX	SER	4I	Sp	8
						DK	GY				Gn	1
											Py	20

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
159.31	169.28	9.97	QFP	FG	Grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
169.28	175.20	5.92	GRD	MG	Alternating patches of weak to moderate phyllic alteration and argillic/potassic alteration. Minor quartz/carbonate/sulphide veining and brecciation at dyke contacts.							
						MD	GN		PHC	2I		
						MD	PK		ARG	3I		
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	2I		
175.20	178.44	3.24	QFP	FG	Medium grey/green/brown quartz feldspar porphyry dyke.							
						MD	GY					
						MD	GN					
						MD	BN					
178.44	192.95	14.51	GRD	MG	Alternating patches of moderate/strong phyllic alteration and argillic/potassic alteration. Phyllic envelopes host multiple quartz/carbonate/sulphide (primarily pyrite + arsenopyrite) veins.							
						MD	GN	EN	PHC	4I		
						MD	PK		ARG	3I		
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	2I		
192.95	196.73	3.78	GRD	MG	Moderate propyllitic altered granodiorite with patchy argillic/potassic alteration.							
						MD	PK		PRO	3I		
						LT	WH		POT	2I		
						DK	GN	PA	ARG	3I		
196.73	198.74	2.01	GRD	MG	Strongly phyllic altered granodiorite hosting multiple polymetallic quartz/carbonate/sulphide veins and veinlets. Hosts disseminated pyrite.							
						MD	GN		PHC	3I		
						MD	GY					
						LT	GN	EN	PHC	4I	Py	0.1
198.74	200.62	1.88	GRD	MG	Moderately propyllitic altered granodiorite. Interval is fairly rubbly.							
						DK	GN	RB	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
200.62	204.97	4.35	GRD	MG	Moderate phyllic envelopes that are separated by argillic/potassic. Enveloped host polymetallic quartz/carbonate/sulphide veining.							
						MD	GN		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
204.97	211.01	6.04	GRD	MG	Primarily argillic/potassic altered granodiorite with small patches of moderate argillic alteration.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						DK	GN		PRO	3I		
211.01	213.58	2.57	GRD	MG	Two 30-40cm phyllic envelopes separated by moderate propyllitic and argillic/potassic alteration. Envelopes hosts polymetallic quartz/carbonate/sulphide veining.							
						MD	PK		ARG	3I		
						LT	WH	PA	ARG	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		POT	3I		
									PRO	3I		
213.58	216.26	2.68	GRD	MG	Moderate to strongly phyllic alteration envelope hosting multiple polymetallic quartz/carbonate/sulphide. Patchy weak propyllitic alteration throughout envelope.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
216.26	227.01	10.75	GRD	MG	Weakly propyllitic and potassic altered granodiorite with multiple minor phyllic envelopes around polymetallic quartz/carbonate/sulphide veins.							
						MD	GY	PA	PRO	2I		
						MD	PK		PHC	3I		
						LT	WH		ARG	2I		
						LT	GN		POT	2I		
						DK	GN	EN	PRO	3I		
227.01	230.15	3.14	GRD	MG	Phyllic envelope hosting three quartz/carbonate/sulphide veins. Phyllic alteration transitions to argillic alteration distally from veining.							
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	PHC	3I		
						LT	WH					
230.15	236.25	6.10	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weakly magnetic.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
236.25	238.36	2.11	GRD	MG	Moderately argillic altered granodiorite with a patchy weak phyllic overprint.							
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		
238.36	240.54	2.18	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weakly magnetic.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
240.54	241.51	0.97	GRD	MG	Moderately argillic altered granodiorite with a patchy weak phyllic overprint.							
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
241.51	242.93	1.42	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weakly magnetic.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	5.91	3.78	GRD	MG	Patchy weak to moderately oxidized granodiorite.							
						MD	GN	PA	OXI	2I		
						MD	OR		OXI	3I		
5.91	15.24	9.33	QFP	FG	Medium grey quartz feldspar porphyry dyke with patchy weak to moderate oxidation and weak to moderate oxidation along fracture surfaces. Oxidation abundance and intensity decreases with depth.							
						MD	GY	PO				
						MD	OR	PA				
15.24	17.37	2.13	GRD	MG	Pervasively oxidized weak to moderately phyllic altered granodiorite with patchy moderate argillic alteration.							
						MD	GN					
						LT	GN					
						MD	OR					
17.37	24.75	7.38	GRD	MG	Primarily unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	2I		
						MD	GY		OXI	3I		
24.75	31.73	6.98	QFP	FG	Patchy pervasively oxidized medium grey quartz feldspar porphyry dyke.							
						MD	OR	PO				
						MD	GY	PA	OXI	3I		
31.73	34.27	2.54	GRD	MG	Pervasively oxidized patchy moderate phyllic and argillic alteration.							
						LT	GN					
						LT	WH		ARG	3I		
						MD	GY		PHC	3I		
						MD	OR	PA	OXI	3I		
34.27	46.79	12.52	QFP	FG	Light grey quartz feldspar porphyry dyke transitions to medium grey/brown quartz feldspar porphyry dyke that in turn transitions to a light grey/white quartz feldspar porphyry dyke. Weak to moderate oxidation along fracture surfaces.							
						MD	BN					
						MD	GY					
						LT	GY	PA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
46.79	47.01	0.22	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						LT	GY		PHC	4I		
47.01	52.42	5.41	QFP	FG	Medium grey quartz feldspar porphyry dyke with patchy moderate oxidation. Grey dyke transition to a dark green propyllitic(?) alteration.							
						LT	GY	PA	OXI	3I		
						MD	GY		PRO	3I		
						MD	OR					
						DK	GN					
52.42	53.88	1.46	GRD	MG	Silicified weakly to moderately propyllitic altered granodiorite. Hosts two quartz/carbonate/sulphide vein at upper dyke contact.							
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
53.88	65.43	11.55	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY					
65.43	66.75	1.32	GRD	MG	Moderately argillic altered granodiorite with a weak phyllic overprint around quartz/sulphide veining.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
66.75	74.43	7.68	GRD	MG	Primarily unaltered granodiorite with minor patches argillic and phyllic alteration.							
						LT	GN					
						LT	WH		PHC	2I		
						MD	GY	PA	ARG	3I		
74.43	79.00	4.57	GRD	MG	Moderately phyllic altered granodiorite with patchy moderate propyllitic alteration. Hosts multiple quartz/sulphide veinlet and a carbonate/sulphide vein. Hosts trace disseminated pyrite.							
						MD	GN		PRO	3I		
						DK	GN					
						LT	GN	EN	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
79.00	94.97	15.97	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic alteration. One moderate phyllic envelope around quartz/carbonate veining.							
						MD	GY	PA	PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		PRO	3I		
									POT	2I		
									POT	2I		
94.97	113.91	18.94	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite and seven significant polymetallic quartz/carbonate/sulphide veins along with multiple quartz/sulphide veinlets. Minor patches of moderate argillic alteration throughout.							
									ARG	3I		
						LT	GY		PHC	4I		
						LT	GN		PHC	3I	Py	0.1
113.91	115.37	1.46	GRD	MG	Weakly propyllitic and potassic altered granodiorite							
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
						MD	PK		POT	1I		
									POT	2I		
115.37	116.64	1.27	QFP	FG	Light to medium green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						MD	GN					
116.64	129.78	13.14	GRD	MG	Weakly propyllitic and potassic altered granodiorite with patchy moderate propyllitic alteration and an abundance of phyllic envelopes around minor quartz/carbonate/sulphide veinlets.							
									PHC	2I		
						MD	GY	EN	POT	2I		
									PHC	3I		
						MD	GN		PRO	3I		
						DK	GN	PA	PRO	2I		
129.78	152.73	22.95	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy argillic alteration. Weakly propyllitic and potassic alteration separates zones of phyllic alteration. Phyllic alteration zones hosts multiple quartz/carbonate +/- sulphide veins/veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	2I		
									ARG	3I		
						MD	GN	EN	PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		POT	2I		
						MD	PK		ARG	2I		
152.73	157.58	4.85	QFP	MG	Grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
157.58	158.50	0.92	GRD	MG	Silicified moderate propyllitic and phyllic alerted granodiorite hosting disseminated pyrite and multiple carbonate veinlets and quartz/pyrite veinlets.							
						MD	GN		PHC	3I		
						MD	GY		SIL	3I	Py	3
						DK	GN		PRO	3I		
158.50	158.83	0.33	QFP	FG	Grey/green quartz feldspar porphyry dyke. Minorly brecciated by quartz/sulphide veining.							
						MD	GY				Py	0.1
						MD	GN					
158.83	159.31	0.48	BXA	MG	Partially gouge altered smoky quartz breccia with pebble sized clast of silicified granodiorite and dyke. Breccia is partially sericite altered. Hosts disseminated to blebby pyrite, blackjack sphalerite and disseminated galena.							
						MD	GY	BX	SER	4I	Py	20
						DK	GY				Sp	8
											Gn	1
159.31	169.28	9.97	QFP	FG	Grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
169.28	175.20	5.92	GRD	MG	Alternating patches of weak to moderate phyllic alteration and argillic/potassic alteration. Minor quartz/carbonate/sulphide veining and brecciation at dyke contacts.							
						MD	PK		ARG	3I		
						LT	WH		ARG	2I		
						MD	GN		PHC	2I		
						LT	GN	PA	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
175.20	178.44	3.24	QFP	FG	Medium grey/green/brown quartz feldspar porphyry dyke.							
						MD	BN					
						MD	GN					
						MD	GY					
178.44	192.95	14.51	GRD	MG	Alternating patches of moderate/strong phyllic alteration and argillic/potassic alteration. Phyllic envelopes host multiple quartz/carbonate/sulphide (primarily pyrite + arsenopyrite) veins.							
						LT	GN	PA	PHC	3I		
						MD	GN	EN	PHC	4I		
						LT	WH		ARG	2I		
						MD	PK		ARG	3I		
192.95	216.26	23.31	GRD	MG	Primarily moderate to strong phyllic envelopes that's host one or more polymetallic quartz/carbonate/sulphide veins. Phyllic envelopes are separated by patches of moderate propyllitic alteration and/or argillic/potassic alteration.							
						LT	GN	EN	PHC	4I		
						DK	GN	PA	PHC	3I		
						MD	GN		ARG	3I		
						LT	WH		POT	2I		
						MD	PK		PRO	3I		
216.26	242.93	26.67	GRD	MG	Weakly propyllitic and potassic altered granodiorite with multiple large patches of argillic/potassic and the occasional smaller phyllic envelopes around polymetallic quartz/carbonate/sulphide veins.							
						MD	GY	PA	PRO	2I		
						DK	GN	EN	PRO	3I		
						LT	WH		ARG	2I		
						MD	PK		PHC	3I		
						LT	GN		POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.02	1.02	0	0	0.00	0	--	--	--	Cased
1.02	5.18	4.16	1.43	34	0.58	14	--	1H	5W	
5.18	8.23	3.05	2.43	80	0.73	24	--	1H	5W	
8.23	11.28	3.05	3.04	100	1.81	59	--	3H	3W	
11.28	14.33	3.05	3.04	100	1.75	57	--	3H	2W	
14.33	17.37	3.04	3	99	2.42	80	--	3H	2W	
17.37	20.42	3.05	2.9	95	2.51	82	--	3H	1W	
20.42	23.47	3.05	2.81	92	2.40	79	--	3H	3W	
23.47	26.52	3.05	2.79	91	2.27	74	--	3H	2W	
26.52	29.57	3.05	2.97	97	2.42	79	--	3H	3W	
29.57	32.61	3.04	2.81	92	2.14	70	--	2H	3W	
32.61	35.66	3.05	2.59	85	1.59	52	--	2H	3W	
35.66	38.71	3.05	2.76	90	2.02	66	--	3H	1W	
38.71	41.76	3.05	2.83	93	1.52	50	--	3H	2W	
41.76	44.81	3.05	2.95	97	1.95	64	--	2H	2W	
44.81	47.85	3.04	2.76	91	1.54	51	--	1H	4W	
47.85	50.90	3.05	2.82	92	0.56	18	--	2H	4W	
50.90	53.95	3.05	2.95	97	1.42	47	--	3H	1W	
53.95	57.00	3.05	2.26	74	0.92	30	--	2H	1W	
57.00	60.05	3.05	3.04	100	1.62	53	--	2H	1W	
60.05	63.09	3.04	3	99	1.85	61	--	2H	1W	
63.09	66.14	3.05	2.96	97	1.66	54	--	3H	1W	
66.14	69.19	3.05	3.02	99	1.94	64	--	3H	1W	
69.19	72.24	3.05	2.98	98	2.07	68	--	3H	1W	
72.24	75.29	3.05	2.89	95	2.19	72	--	3H	1W	
75.29	78.33	3.04	2.87	94	1.12	37	--	3H	1W	
78.33	81.38	3.05	2.92	96	1.71	56	--	3H	1W	
81.38	84.43	3.05	2.81	92	1.59	52	--	3H	1W	
84.43	87.48	3.05	3.04	100	1.47	48	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.82	92	1.28	42	--	1H	1W	Contains gouge zone
90.53	93.57	3.04	2.9	95	2.15	71	--	3H	1W	
93.57	96.62	3.05	2.82	92	1.59	52	--	2H	1W	
96.62	99.67	3.05	2.99	98	2.81	92	--	3H	1W	
99.67	102.72	3.05	2.95	97	1.97	65	--	3H	1W	
102.72	105.77	3.05	2.89	95	2.19	72	--	3H	1W	
105.77	108.81	3.04	2.99	98	2.29	75	--	3H	1W	
108.81	111.86	3.05	2.99	98	2.13	70	--	3H	1W	
111.86	114.91	3.05	3.03	99	2.68	88	--	3H	1W	
114.91	117.96	3.05	2.82	92	1.66	54	--	3H	1W	
117.96	121.01	3.05	2.89	95	2.45	80	--	3H	1W	
121.01	124.05	3.04	3.02	99	2.32	76	--	3H	1W	
124.05	127.10	3.05	3.04	100	2.25	74	--	3H	1W	
127.10	130.15	3.05	3.05	100	2.42	79	--	3H	1W	
130.15	133.20	3.05	3.05	100	2.21	72	--	3H	1W	
133.20	136.25	3.05	2.56	84	0.57	19	--	3H	1W	
136.25	139.29	3.04	2.96	97	1.76	58	--	3H	1W	
139.29	142.34	3.05	3.02	99	1.71	56	--	3H	1W	
142.34	145.39	3.05	3	98	1.11	36	--	3H	1W	
145.39	148.44	3.05	3.05	100	2.38	78	--	3H	1W	
148.44	151.49	3.05	2.98	98	1.62	53	--	3H	1W	
151.49	154.53	3.04	2.9	95	1.47	48	--	3H	1W	
154.53	157.58	3.05	2.77	91	1.20	39	--	3H	1W	
157.58	160.63	3.05	2.91	95	1.20	39	--	3H	1W	
160.63	163.68	3.05	2.87	94	2.11	69	--	3H	1W	
163.68	166.73	3.05	3.04	100	2.25	74	--	2H	1W	
166.73	169.77	3.04	3.04	100	1.90	63	--	3H	1W	
169.77	172.82	3.05	2.95	97	1.35	44	--	3H	1W	
172.82	175.87	3.05	2.66	87	1.25	41	--	3H	1W	
175.87	178.92	3.05	2.42	79	0.78	26	--	3H	1W	
178.92	181.97	3.05	2.96	97	2.30	75	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.57	85	1.20	39	--	2H	1W	
185.01	188.06	3.05	2.85	93	2.27	74	--	3H	1W	
188.06	191.11	3.05	3	98	1.89	62	--	3H	1W	
191.11	194.16	3.05	2.98	98	1.13	37	--	3H	1W	
194.16	197.21	3.05	2.55	84	1.21	40	--	3H	1W	Rubble zone
197.21	200.25	3.04	2.51	83	1.40	46	--	3H	1W	
200.25	203.30	3.05	2.45	80	1.04	34	--	3H	1W	
203.30	206.35	3.05	2.79	91	1.42	47	--	2H	1W	Contains fault gouge
206.35	209.40	3.05	2.9	95	2.75	90	--	3H	1W	
209.40	212.45	3.05	2.71	89	1.60	52	--	3H	1W	
212.45	215.49	3.04	3.04	100	2.36	78	--	3H	1W	
215.49	218.54	3.05	2.99	98	2.52	83	--	4H	1W	
218.54	221.59	3.05	2.98	98	1.86	61	--	4H	1W	
221.59	224.64	3.05	2.89	95	1.73	57	--	3H	1W	
224.64	227.69	3.05	2.91	95	2.16	71	--	4H	1W	
227.69	230.73	3.04	2.82	93	1.42	47	--	3H	1W	
230.73	233.78	3.05	2.79	91	1.76	58	--	3H	1W	
233.78	236.83	3.05	2.93	96	2.27	74	--	4H	1W	
236.83	239.88	3.05	2.86	94	2.44	80	--	4H	1W	
239.88	242.93	3.05	3.05	100	2.97	97	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	
2	0	OVB	
3	9.33	GRD	
4	5.28	GRD	
5	6.72	GRD	
6	2.48	QFP	
7	1.93	QFP	
8	0.134	QFP	
9	0.248	QFP	
10	2.43	QFP	
11	2.24	QFP	
12	0.206	QFP	
13	0.243	QFP	
14	0.233	QFP	
15	0.211	QFP	
16	0.562	GRD	
17	0.345	GRD	
18	0.911	GRD	
19	0.324	GRD	
20	0.311	GRD	
21	1.31	GRD	
22	0.211	GRD	
23	0.35	GRD	
24	0.179	GRD	
25	0.235	QFP	
26	0.312	QFP	
27	0.24	QFP	
28	0.201	QFP	
29	0.226	QFP	
30	0.351	QFP	
31	0.257	QFP	
32	0.235	GRD	
33	0.264	GRD	
34	0.264	GRD	
35	0.237	QFP	
36	0.257	QFP	
37	0.246	QFP	
38	0.389	QFP	
39	0.063	QFP	
40	0.213	QFP	
41	0.128	QFP	
42	0.136	QFP	
43	0.211	QFP	
44	0.125	QFP	
45	0.028	QFP	
46	0.034	QFP	
47	0.182	GRD	
48	0.108	QFP	
49	0.243	QFP	
50	0.251	QFP	
51	0.288	QFP	
52	0.243	QFP	
53	0.424	GRD	
54	0.361	QFP	
55	0.063	QFP	
56	0.149	QFP	
57	0.228	QFP	
58	0.224	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.102	QFP	
60	0.193	QFP	
61	0.11	QFP	
62	0.205	QFP	
63	0.214	QFP	
64	0.22	QFP	
65	0.251	QFP	
66	0.333	GRD	
67	0.413	GRD	
68	1.34	GRD	
69	0.344	GRD	
70	0.278	GRD	
71	11.7	GRD	
72	0.268	GRD	
73	12.2	GRD	
74	0.502	GRD	
75	0.244	GRD	
76	0.179	GRD	
77	0.508	GRD	
78	0.186	GRD	
79	0.368	GRD	
79	0.368	GRD	
80	0.188	GRD	
81	0.227	GRD	
82	11.6	GRD	
83	16.9	GRD	
84	0.248	GRD	
85	14.7	GRD	
86	0.299	GRD	
87	0.289	GRD	
88	0.263	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.307	GRD	
90	0.361	GRD	
91	5.78	GRD	
92	10.1	GRD	
93	22.5	GRD	
94	1.49	GRD	
95	0.189	GRD	
96	0.138	GRD	
97	0.516	GRD	
98	0.149	GRD	
99	0.375	GRD	
100	0.299	GRD	
101	0.303	GRD	
102	0.296	GRD	
103	0.15	GRD	
104	0.392	GRD	
105	0.188	GRD	
106	0.315	GRD	
107	0.389	GRD	
108	0.018	GRD	
109	0.147	GRD	
110	0.317	GRD	
111	2.38	GRD	
112	0.424	GRD	
113	0.621	GRD	
114	1.89	GRD	
115	0.292	GRD	
116	0.3	QFP	
117	0.351	GRD	
118	0.234	GRD	
119	2.15	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	3.52	GRD	
121	0.226	GRD	
122	0.825	GRD	
123	0.586	GRD	
124	0.232	GRD	
125	0.45	GRD	
126	0.212	GRD	
127	0.176	GRD	
128	0.304	GRD	
129	4.17	GRD	
130	0.205	GRD	
131	0.615	GRD	
132	0.433	GRD	
133	0.37	GRD	
134	0.338	GRD	
135	0.31	GRD	
136	0.26	GRD	
137	0.254	GRD	
138	8.75	GRD	
139	0.232	GRD	
140	0.288	GRD	
141	0.275	GRD	
142	0.24	GRD	
143	2.01	GRD	
144	0.375	GRD	
145	0.604	GRD	
146	0.155	GRD	
147	0.185	GRD	
148	0.4	GRD	
149	0.117	GRD	
150	0.142	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	0.229	GRD	
152	0.426	GRD	
153	0.357	QFP	
154	0.242	QFP	
155	0.273	QFP	
156	0.262	QFP	
157	0.417	QFP	
158	0.45	GRD	
159	0.253	BXA	
160	0.19	QFP	
161	0.219	QFP	
162	0.26	QFP	
163	0.238	QFP	
164	0.292	QFP	
165	0.049	QFP	
166	0.221	QFP	
167	0.248	QFP	
168	0.191	QFP	
169	0.154	QFP	
170	0.293	GRD	
171	0.178	GRD	
172	0.219	GRD	
173	0.301	GRD	
174	0.253	GRD	
175	0.171	GRD	
176	0.295	QFP	
177	0.253	QFP	
178	0.243	QFP	
179	0.042	GRD	
180	0.379	GRD	
181	0.31	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	0.139	GRD	
183	0.155	GRD	
184	0.141	GRD	
185	0.16	GRD	
186	0.179	GRD	
187	0.275	GRD	
188	0.207	GRD	
189	0.316	GRD	
190	0.348	GRD	
191	0.261	GRD	
192	0.297	GRD	
193	2.05	GRD	
194	2.208	GRD	
195	9.102	GRD	
196	0.392	GRD	
197	0.224	GRD	
198	0.269	GRD	
199	0.124	GRD	
200	13.24	GRD	
201	0.195	GRD	
202	1.263	GRD	
203	0.642	GRD	
204	0.358	GRD	
205	0.269	GRD	
206	2.623	GRD	
207	0.335	GRD	
208	0.405	GRD	
209	0.209	GRD	
210	0.314	GRD	
211	0.968	GRD	
212	2.99	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
213	1.011	GRD	
214	0.306	GRD	
215	0.867	GRD	
216	0.259	GRD	
217	15.61	GRD	
218	3.867	GRD	
219	1.698	GRD	
220	16.78	GRD	
221	1.304	GRD	
222	20.81	GRD	
223	12.54	GRD	
224	0.632	GRD	
225	17.84	GRD	
226	1.926	GRD	
227	0.438	GRD	
228	0.375	GRD	
229	0.427	GRD	
230	13.87	GRD	
231	0.363	GRD	
232	16.45	GRD	
233	18.26	GRD	
234	16.16	GRD	
235	18.58	GRD	
236	5.926	GRD	
237	0.416	GRD	
238	0.402	GRD	
239	1.062	GRD	
240	0.528	GRD	
241	0.345	GRD	
242	9.379	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292542	☐	16-023			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292732	☐	16-020	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292604	☐	16-026			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292571	☐	16-025			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292567	☐	16-025		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292466	☐	16-019		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292558	☐	16-025			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292538	☐	16-023		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292534	☐	16-023			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292518	☐	16-023		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292505	☐	16-022			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292500	☐	16-022		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292496	☐	16-022			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292488	☐	16-022		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292562	☐	16-025		KL-STD4	☐	☐	☐
51.95	52.45	0.50	QFP	0.50	100	K292464	☐	16-019			☐	☐	☐
52.45	52.98	0.53	GRD	0.53	100	K292465	☐	16-019			☐	☐	☐
52.98	53.54	0.56	GRD	0.54	96	K292467	☐	16-019			☐	☐	☐
53.54	54.22	0.68	GRD	0.68	100	K292468	☐	16-019			☐	☐	☐
64.33	64.90	0.57	QFP	0.54	95	K292469	☐	16-019			☐	☐	☐
64.90	65.44	0.54	QFP	0.54	100	K292470	☐	16-019			☐	☐	☐
65.44	65.97	0.53	GRD	0.53	100	K292471	☐	16-019			☐	☐	☐
65.97	66.47	0.50	GRD	0.50	100	K292472	☐	16-019			☐	☐	☐
66.47	66.99	0.52	GRD	0.51	98	K292473	☐	16-019			☐	☐	☐
74.47	75.29	0.82	GRD	0.80	98	K292474	☐	16-019			☐	☐	☐
75.29	76.23	0.94	GRD	0.93	99	K292475	☐	16-019			☐	☐	☐
76.23	76.74	0.51	GRD	0.51	100	K292476	☐	16-019			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
76.74	77.29	0.55	GRD	0.50	91	K292477	☐	16-022			☐	☐	☐
77.29	77.83	0.54	GRD	0.54	100	K292478	☐	16-022			☐	☐	☐
77.83	78.33	0.50	GRD	0.50	100	K292479	☐	16-022			☐	☐	☐
78.33	81.38	3.05	GRD	2.96	97	K292480	☐	16-022			☐	☐	☐
78.33	81.38	3.05	GRD	2.96	97	K292481	☐	16-022			☐	☐	☑
81.38	83.97	2.59	GRD	2.57	99	K292482	☐	16-022			☐	☐	☐
83.97	84.91	0.94	GRD	0.94	100	K292483	☐	16-022			☐	☐	☐
84.91	85.41	0.50	GRD	0.50	100	K292484	☐	16-022			☐	☐	☐
85.41	85.96	0.55	GRD	0.55	100	K292485	☐	16-022			☐	☐	☐
85.96	86.69	0.73	GRD	0.72	99	K292486	☐	16-022			☐	☐	☐
86.69	87.95	1.26	GRD	1.18	94	K292487	☐	16-022			☐	☐	☐
87.95	88.45	0.50	GRD	0.50	100	K292489	☐	16-022			☐	☐	☐
95.08	95.87	0.79	GRD	0.73	92	K292490	☐	16-022			☐	☐	☐
95.87	96.62	0.75	GRD	0.75	100	K292491	☐	16-022			☐	☐	☐
96.62	97.14	0.52	GRD	0.52	100	K292492	☐	16-022			☐	☐	☐
97.14	97.64	0.50	GRD	0.50	100	K292493	☐	16-022			☐	☐	☐
97.14	97.64	0.50	GRD	0.50	100	K292494	☐	16-022			☐	☑	☐
97.64	98.13	0.49	GRD	0.47	96	K292495	☐	16-022			☐	☐	☐
98.13	98.63	0.50	GRD	0.50	100	K292497	☐	16-022			☐	☐	☐
98.63	99.17	0.54	GRD	0.54	100	K292498	☐	16-022			☐	☐	☐
99.17	99.67	0.50	GRD	0.50	100	K292499	☐	16-022			☐	☐	☐
99.67	102.72	3.05	GRD	3.03	99	K292501	☐	16-022			☐	☐	☐
102.72	104.05	1.33	GRD	1.33	100	K292502	☐	16-022			☐	☐	☐
104.05	104.56	0.51	GRD	0.51	100	K292503	☐	16-022			☐	☐	☐
104.56	105.20	0.64	GRD	0.64	100	K292504	☐	16-022			☐	☐	☐
105.20	106.99	1.79	GRD	1.63	91	K292506	☐	16-022			☐	☐	☐
106.99	107.50	0.51	GRD	0.50	98	K292507	☐	16-022			☐	☐	☐
107.50	107.93	0.43	GRD	0.43	100	K292508	☐	16-022			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
107.93	108.50	0.57	GRD	0.53	93	K292731	☐	16-020	HG		☐	☐	☐
108.50	109.02	0.52	GRD	0.52	100	K292509	☐	16-022			☐	☐	☐
109.02	109.56	0.54	GRD	0.54	100	K292510	☐	16-022			☐	☐	☐
109.56	110.17	0.61	GRD	0.61	100	K292511	☐	16-022			☐	☐	☐
110.17	110.67	0.50	GRD	0.50	100	K292512	☐	16-022			☐	☐	☐
110.67	111.15	0.48	GRD	0.48	100	K292733	☐	16-020	HG		☐	☐	☐
111.15	112.10	0.95	GRD	0.95	100	K292734	☐	16-020	HG		☐	☐	☐
111.15	112.10	0.95	GRD	0.95	100	K292735	☐	16-020	HG		☐	☐	☑
112.10	112.69	0.59	GRD	0.59	100	K292736	☐	16-020	HG		☐	☐	☐
112.69	113.28	0.59	GRD	0.52	88	K292513	☐	16-023			☐	☐	☐
113.28	113.82	0.54	GRD	0.53	98	K292514	☐	16-023			☐	☐	☐
113.82	114.31	0.49	GRD	0.49	100	K292515	☐	16-023			☐	☐	☐
114.31	114.91	0.60	GRD	0.59	98	K292516	☐	16-023			☐	☐	☐
129.14	129.91	0.77	GRD	0.77	100	K292517	☐	16-023			☐	☐	☐
129.91	131.25	1.34	GRD	1.34	100	K292519	☐	16-023			☐	☐	☐
131.25	131.92	0.67	GRD	0.65	97	K292520	☐	16-023			☐	☐	☐
131.92	134.25	2.33	GRD	2.26	97	K292521	☐	16-023			☐	☐	☐
131.92	134.25	2.33	GRD	2.26	97	K292522	☐	16-023			☐	☐	☑
134.25	135.20	0.95	GRD	0.88	93	K292523	☐	16-023			☐	☐	☐
135.20	136.25	1.05	GRD	1.03	98	K292524	☐	16-023			☐	☐	☐
136.25	137.10	0.85	GRD	0.85	100	K292525	☐	16-023			☐	☐	☐
137.10	137.70	0.60	GRD	0.53	88	K292526	☐	16-023			☐	☐	☐
144.45	145.39	0.94	GRD	0.90	96	K292527	☐	16-023			☐	☐	☐
145.39	148.44	3.05	GRD	2.95	97	K292528	☐	16-023			☐	☐	☐
145.39	148.44	3.05	GRD	2.95	97	K292529	☐	16-023			☐	☑	☐
148.44	150.56	2.12	GRD	2.10	99	K292530	☐	16-023			☐	☐	☐
150.56	151.70	1.14	GRD	1.11	97	K292531	☐	16-023			☐	☐	☐
151.70	152.21	0.51	GRD	0.50	98	K292532	☐	16-023			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
152.21	152.78	0.57	GRD	0.56	98	K292533	☐	16-023			☐	☐	☐
152.78	153.38	0.60	QFP	0.57	95	K292535	☐	16-023			☐	☐	☐
153.38	153.88	0.50	QFP	0.50	100	K292536	☐	16-023			☐	☐	☐
153.88	155.93	2.05	QFP	2.00	98	K292537	☐	16-023			☐	☐	☐
155.93	157.58	1.65	QFP	1.63	99	K292539	☐	16-023			☐	☐	☐
157.58	158.47	0.89	QFP, GRD	0.88	99	K292540	☐	16-023			☐	☐	☐
158.47	158.88	0.41	GRD	0.41	100	K292541	☐	16-023			☐	☐	☐
158.88	159.33	0.45	BXA	0.45	100	K292543	☐	16-023			☐	☐	☐
159.33	159.85	0.52	QFP	0.51	98	K292544	☐	16-023			☐	☐	☐
159.85	160.35	0.50	QFP	0.50	100	K292545	☐	16-023			☐	☐	☐
168.46	168.96	0.50	QFP	0.50	100	K292546	☐	16-023			☐	☐	☐
168.96	169.30	0.34	QFP	0.34	100	K292547	☐	16-023			☐	☐	☐
169.30	169.77	0.47	GRD	0.47	100	K292548	☐	16-023			☐	☐	☐
169.77	170.44	0.67	GRD	0.67	100	K292549	☐	16-025			☐	☐	☐
170.44	172.17	1.73	GRD	1.61	93	K292550	☐	16-025			☐	☐	☐
172.17	174.60	2.43	GRD	2.33	96	K292551	☐	16-025			☐	☐	☐
172.17	174.60	2.43	GRD	2.33	96	K292552	☐	16-025			☐	☑	☐
174.60	175.20	0.60	GRD	0.60	100	K292553	☐	16-025			☐	☐	☐
175.20	175.74	0.54	GRD, QFP	0.54	100	K292554	☐	16-025			☐	☐	☐
175.74	177.79	2.05	QFP	2.05	100	K292555	☐	16-025			☐	☐	☐
177.79	178.42	0.63	QFP	0.63	100	K292556	☐	16-025			☐	☐	☐
178.42	179.24	0.82	QFP	0.82	100	K292557	☐	16-025			☐	☐	☐
179.24	179.74	0.50	GRD	0.50	100	K292559	☐	16-025			☐	☐	☐
179.74	180.24	0.50	GRD	0.50	100	K292560	☐	16-025			☐	☐	☐
180.24	180.74	0.50	GRD	0.50	100	K292561	☐	16-025			☐	☐	☐
180.74	182.91	2.17	GRD	2.17	100	K292563	☐	16-025			☐	☐	☐
182.91	184.17	1.26	GRD	1.11	88	K292564	☐	16-025			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
184.17	186.42	2.25	GRD	2.25	100	K292565	☐	16-025			☐	☐	☐
186.42	189.08	2.66	GRD	2.63	99	K292566	☐	16-025			☐	☐	☐
189.08	190.71	1.63	GRD	1.63	100	K292568	☐	16-025			☐	☐	☐
190.71	191.44	0.73	GRD	0.73	100	K292569	☐	16-025			☐	☐	☐
191.44	192.92	1.48	GRD	1.48	100	K292570	☐	16-025			☐	☐	☐
192.92	194.16	1.24	GRD	1.10	89	K292572	☐	16-025			☐	☐	☐
194.16	196.80	2.64	GRD	2.24	85	K292573	☐	16-025			☐	☐	☐
196.80	197.74	0.94	GRD	0.94	100	K292574	☐	16-025			☐	☐	☐
197.74	198.72	0.98	GRD	0.96	98	K292575	☐	16-025			☐	☐	☐
198.72	200.84	2.12	GRD	1.68	79	K292576	☐	16-025			☐	☐	☐
200.84	201.23	0.39	GRD	0.39	100	K292577	☐	16-025			☐	☐	☐
201.23	203.81	2.58	GRD	1.77	69	K292578	☐	16-025			☐	☐	☐
203.81	204.41	0.60	GRD	0.60	100	K292579	☐	16-025			☐	☐	☐
204.41	206.35	1.94	GRD	1.92	99	K292580	☐	16-025			☐	☐	☐
204.41	206.35	1.94	GRD	1.92	99	K292581	☐	16-025			☐	☐	☑
206.35	209.40	3.05	GRD	2.89	95	K292582	☐	16-025			☐	☐	☐
209.40	210.85	1.45	GRD	1.28	88	K292583	☐	16-025			☐	☐	☐
210.85	211.35	0.50	GRD	0.50	100	K292584	☐	16-025			☐	☐	☐
211.35	212.10	0.75	GRD	0.75	100	K292585	☐	16-026			☐	☐	☐
212.10	212.62	0.52	GRD	0.52	100	K292586	☐	16-026			☐	☐	☐
212.62	213.74	1.12	GRD	1.10	98	K292587	☐	16-026			☐	☐	☐
213.74	214.32	0.58	GRD	0.58	100	K292588	☐	16-026			☐	☐	☐
214.32	215.32	1.00	GRD	1.00	100	K292589	☐	16-026			☐	☐	☐
214.32	215.32	1.00	GRD	1.00	100	K292590	☐	16-026			☐	☑	☐
215.32	216.14	0.82	GRD	0.81	99	K292740	☐	16-020	HG		☐	☐	☐
216.14	216.65	0.51	GRD	0.51	100	K292591	☐	16-026			☐	☐	☐
216.65	217.32	0.67	GRD	0.64	96	K292592	☐	16-026			☐	☐	☐
217.32	218.54	1.22	GRD	1.19	98	K292593	☐	16-026			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
218.54	219.05	0.51	GRD	0.51	100	K292594	☐	16-026			☐	☐	☐
219.05	219.59	0.54	GRD	0.54	100	K292595	☐	16-026			☐	☐	☐
219.59	221.29	1.70	GRD	1.70	100	K292596	☐	16-026			☐	☐	☐
221.29	223.85	2.56	GRD	2.26	88	K292597	☐	16-026			☐	☐	☐
223.85	225.48	1.63	GRD	1.63	100	K292598	☐	16-026			☐	☐	☐
223.85	225.48	1.63	GRD	1.63	100	K292599	☐	16-026			☐	☐	☑
225.48	226.27	0.79	GRD	0.67	85	K292600	☐	16-026			☐	☐	☐
226.27	227.04	0.77	GRD	0.61	79	K292601	☐	16-026			☐	☐	☐
227.04	227.69	0.65	GRD	0.65	100	K292602	☐	16-026			☐	☐	☐
227.69	228.23	0.54	GRD	0.54	100	K292603	☐	16-026			☐	☐	☐
228.23	228.75	0.52	GRD	0.52	100	K292605	☐	16-026			☐	☐	☐
228.75	229.25	0.50	GRD	0.50	100	K292606	☐	16-026			☐	☐	☐
229.25	229.77	0.52	GRD	0.51	98	K292607	☐	16-026			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	51.95			☐	☐	☐	☐	
16-019	K292466	0.00	0.00	0.34	1070	☐	☐	☐	☑ KL-STD4	
16-025	K292558	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-025	K292562	0.00	0.00	0.35	410	☐	☐	☐	☑ KL-STD4	
16-025	K292567	0.00	0.00	0.92	270	☐	☐	☐	☑ KL-STD5	
16-025	K292571	0.00	0.00	0.02	40	☐	☐	☑	☐	
16-023	K292518	0.00	0.00	0.35	480	☐	☐	☐	☑ KL-STD4	
16-023	K292534	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-023	K292538	0.00	0.00	0.94	150	☐	☐	☐	☑ KL-STD5	
16-023	K292542	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-020	K292732	0.00	0.00	0.01	40	☐	☐	☑	☐	
16-026	K292604	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-022	K292488	0.00	0.00	0.91	220	☐	☐	☐	☑ KL-STD5	
16-022	K292496	0.00	0.00	0.00	40	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-022	K292500	0.00	0.00	0.33	560	☐	☐	☐	☑ KL-STD4	
16-022	K292505	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-019	K292464	51.95	52.45	0.06	1420	☐	☐	☐	☐	
16-019	K292465	52.45	52.98	0.42	1130	☐	☐	☐	☐	
16-019	K292467	52.98	53.54	0.09	1780	☐	☐	☐	☐	
16-019	K292468	53.54	54.22	0.34	2140	☐	☐	☐	☐	
		54.22	64.33			☐	☐	☐	☐	
16-019	K292469	64.33	64.90	0.01	1680	☐	☐	☐	☐	
16-019	K292470	64.90	65.44	0.01	1130	☐	☐	☐	☐	
16-019	K292471	65.44	65.97	0.36	2170	☐	☐	☐	☐	
16-019	K292472	65.97	66.47	0.01	1210	☐	☐	☐	☐	
16-019	K292473	66.47	66.99	0.01	2810	☐	☐	☐	☐	
		66.99	74.47			☐	☐	☐	☐	
16-019	K292474	74.47	75.29	0.46	1190	☐	☐	☐	☐	
16-019	K292475	75.29	76.23	0.03	1190	☐	☐	☐	☐	
16-019	K292476	76.23	76.74	0.07	760	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-022	K292477	76.74	77.29	0.27	490	☐	☐	☐	☐	
16-022	K292478	77.29	77.83	0.03	1120	☐	☐	☐	☐	
16-022	K292479	77.83	78.33	0.03	440	☐	☐	☐	☐	
16-022	K292480	78.33	81.38	0.07	1080	☐	☐	☐	☐	
16-022	K292481	78.33	81.38	0.05	1080	☐	☑	☐	☐	
16-022	K292482	81.38	83.97	0.02	1880	☐	☐	☐	☐	
16-022	K292483	83.97	84.91	0.01	1980	☐	☐	☐	☐	
16-022	K292484	84.91	85.41	0.01	2140	☐	☐	☐	☐	
16-022	K292485	85.41	85.96	0.05	1630	☐	☐	☐	☐	
16-022	K292486	85.96	86.69	0.05	1900	☐	☐	☐	☐	
16-022	K292487	86.69	87.95	0.02	1940	☐	☐	☐	☐	
16-022	K292489	87.95	88.45	0.02	2620	☐	☐	☐	☐	
		88.45	95.08			☐	☐	☐	☐	
16-022	K292490	95.08	95.87	0.03	980	☐	☐	☐	☐	
16-022	K292491	95.87	96.62	0.29	240	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-022	K292492	96.62	97.14	0.75	410	☐	☐	☐	☐	
16-022	K292493	97.14	97.64	0.12	480	☐	☐	☐	☐	
16-022	K292494	97.14	97.64	0.11	280	☑	☐	☐	☐	
16-022	K292495	97.64	98.13	1.82	180	☐	☐	☐	☐	
16-022	K292497	98.13	98.63	0.44	340	☐	☐	☐	☐	
16-022	K292498	98.63	99.17	0.02	1520	☐	☐	☐	☐	
16-022	K292499	99.17	99.67	0.02	1480	☐	☐	☐	☐	
16-022	K292501	99.67	102.72	0.02	2410	☐	☐	☐	☐	
16-022	K292502	102.72	104.05	0.02	1380	☐	☐	☐	☐	
16-022	K292503	104.05	104.56	0.07	890	☐	☐	☐	☐	
16-022	K292504	104.56	105.20	0.73	330	☐	☐	☐	☐	
16-022	K292506	105.20	106.99	0.04	880	☐	☐	☐	☐	
16-022	K292507	106.99	107.50	0.31	190	☐	☐	☐	☐	
16-022	K292508	107.50	107.93	1.30	370	☐	☐	☐	☐	
16-020	K292731	107.93	108.50	2.38	80	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-022	K292509	108.50	109.02	0.38	170	☐	☐	☐	☐	
16-022	K292510	109.02	109.56	0.99	580	☐	☐	☐	☐	
16-022	K292511	109.56	110.17	0.04	1190	☐	☐	☐	☐	
16-022	K292512	110.17	110.67	0.16	1390	☐	☐	☐	☐	
16-020	K292733	110.67	111.15	3.54	100	☐	☐	☐	☐	
16-020	K292734	111.15	112.10	0.37	140	☐	☐	☐	☐	
16-020	K292735	111.15	112.10	0.28	120	☐	☑	☐	☐	
16-020	K292736	112.10	112.69	0.72	340	☐	☐	☐	☐	
16-023	K292513	112.69	113.28	0.17	600	☐	☐	☐	☐	
16-023	K292514	113.28	113.82	0.02	3050	☐	☐	☐	☐	
16-023	K292515	113.82	114.31	0.01	2140	☐	☐	☐	☐	
16-023	K292516	114.31	114.91	0.03	2350	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-023	K292517	129.14	129.91	0.08	2350	☐	☐	☐	☐	
16-023	K292519	129.91	131.25	0.15	1270	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-023	K292520	131.25	131.92	0.07	1470	☐	☐	☐	☐	
16-023	K292521	131.92	134.25	0.14	1490	☐	☐	☐	☐	
16-023	K292522	131.92	134.25	0.14	1490	☐	☑	☐	☐	
16-023	K292523	134.25	135.20	0.13	410	☐	☐	☐	☐	
16-023	K292524	135.20	136.25	0.03	1410	☐	☐	☐	☐	
16-023	K292525	136.25	137.10	0.07	1490	☐	☐	☐	☐	
16-023	K292526	137.10	137.70	0.02	1780	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-023	K292527	144.45	145.39	0.04	1420	☐	☐	☐	☐	
16-023	K292528	145.39	148.44	0.04	2330	☐	☐	☐	☐	
16-023	K292529	145.39	148.44	0.10	1820	☑	☐	☐	☐	
16-023	K292530	148.44	150.56	0.05	1880	☐	☐	☐	☐	
16-023	K292531	150.56	151.70	0.01	1260	☐	☐	☐	☐	
16-023	K292532	151.70	152.21	0.14	1000	☐	☐	☐	☐	
16-023	K292533	152.21	152.78	2.49	350	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-023	K292535	152.78	153.38	0.06	1130	☐	☐	☐	☐	
16-023	K292536	153.38	153.88	0.02	1510	☐	☐	☐	☐	
16-023	K292537	153.88	155.93	0.02	1970	☐	☐	☐	☐	
16-023	K292539	155.93	157.58	0.01	1340	☐	☐	☐	☐	
16-023	K292540	157.58	158.47	0.22	280	☐	☐	☐	☐	
16-023	K292541	158.47	158.88	0.55	1430	☐	☐	☐	☐	
16-023	K292543	158.88	159.33	6.79	80	☐	☐	☐	☐	
16-023	K292544	159.33	159.85	0.10	2260	☐	☐	☐	☐	
16-023	K292545	159.85	160.35	0.01	1140	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-023	K292546	168.46	168.96	0.03	4730	☐	☐	☐	☐	
16-023	K292547	168.96	169.30	0.21	1750	☐	☐	☐	☐	
16-023	K292548	169.30	169.77	0.10	910	☐	☐	☐	☐	
16-025	K292549	169.77	170.44	0.59	290	☐	☐	☐	☐	
16-025	K292550	170.44	172.17	0.03	1750	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-025	K292551	172.17	174.60	0.01	1700	☐	☐	☐	☐	
16-025	K292552	172.17	174.60	0.02	1750	☑	☐	☐	☐	
16-025	K292553	174.60	175.20	0.72	320	☐	☐	☐	☐	
16-025	K292554	175.20	175.74	0.00	1520	☐	☐	☐	☐	
16-025	K292555	175.74	177.79	0.00	2550	☐	☐	☐	☐	
16-025	K292556	177.79	178.42	0.01	2050	☐	☐	☐	☐	
16-025	K292557	178.42	179.24	0.44	560	☐	☐	☐	☐	
16-025	K292559	179.24	179.74	0.02	1310	☐	☐	☐	☐	
16-025	K292560	179.74	180.24	0.00	1730	☐	☐	☐	☐	
16-025	K292561	180.24	180.74	0.00	1810	☐	☐	☐	☐	
16-025	K292563	180.74	182.91	0.02	3520	☐	☐	☐	☐	
16-025	K292564	182.91	184.17	0.02	640	☐	☐	☐	☐	
16-025	K292565	184.17	186.42	0.01	1870	☐	☐	☐	☐	
16-025	K292566	186.42	189.08	0.03	2510	☐	☐	☐	☐	
16-025	K292568	189.08	190.71	0.03	2050	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-025	K292569	190.71	191.44	0.15	560	☐	☐	☐	☐	
16-025	K292570	191.44	192.92	1.07	260	☐	☐	☐	☐	
16-025	K292572	192.92	194.16	0.02	2350	☐	☐	☐	☐	
16-025	K292573	194.16	196.80	0.20	2270	☐	☐	☐	☐	
16-025	K292574	196.80	197.74	2.71	1060	☐	☐	☐	☐	
16-025	K292575	197.74	198.72	0.62	280	☐	☐	☐	☐	
16-025	K292576	198.72	200.84	0.05	2130	☐	☐	☐	☐	
16-025	K292577	200.84	201.23	4.15	260	☐	☐	☐	☐	
16-025	K292578	201.23	203.81	0.04	2340	☐	☐	☐	☐	
16-025	K292579	203.81	204.41	0.13	330	☐	☐	☐	☐	
16-025	K292580	204.41	206.35	0.06	1960	☐	☐	☐	☐	
16-025	K292581	204.41	206.35	0.08	1960	☐	☑	☐	☐	
16-025	K292582	206.35	209.40	0.01	2360	☐	☐	☐	☐	
16-025	K292583	209.40	210.85	0.01	2250	☐	☐	☐	☐	
16-025	K292584	210.85	211.35	1.92	430	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-026	K292585	211.35	212.10	0.00	2110	☐	☐	☐	☐	
16-026	K292586	212.10	212.62	0.36	320	☐	☐	☐	☐	
16-026	K292587	212.62	213.74	0.02	1790	☐	☐	☐	☐	
16-026	K292588	213.74	214.32	0.29	80	☐	☐	☐	☐	
16-026	K292589	214.32	215.32	0.04	1660	☐	☐	☐	☐	
16-026	K292590	214.32	215.32	0.13	1640	☑	☐	☐	☐	
16-020	K292740	215.32	216.14	2.93	500	☐	☐	☐	☐	
16-026	K292591	216.14	216.65	0.00	1580	☐	☐	☐	☐	
16-026	K292592	216.65	217.32	0.05	2190	☐	☐	☐	☐	
16-026	K292593	217.32	218.54	0.01	2250	☐	☐	☐	☐	
16-026	K292594	218.54	219.05	0.88	460	☐	☐	☐	☐	
16-026	K292595	219.05	219.59	0.02	2400	☐	☐	☐	☐	
16-026	K292596	219.59	221.29	0.01	2290	☐	☐	☐	☐	
16-026	K292597	221.29	223.85	0.01	2260	☐	☐	☐	☐	
16-026	K292598	223.85	225.48	0.01	1990	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-026	K292599	223.85	225.48	0.01	2000	☐	☑	☐	☐	
16-026	K292600	225.48	226.27	0.03	1540	☐	☐	☐	☐	
16-026	K292601	226.27	227.04	0.08	2020	☐	☐	☐	☐	
16-026	K292602	227.04	227.69	0.26	1690	☐	☐	☐	☐	
16-026	K292603	227.69	228.23	0.98	180	☐	☐	☐	☐	
16-026	K292605	228.23	228.75	0.03	1760	☐	☐	☐	☐	
16-026	K292606	228.75	229.25	0.01	1800	☐	☐	☐	☐	
16-026	K292607	229.25	229.77	0.01	1560	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
18.92	18.95	VB	37	80	NUL	1	Dark grey quartz vein breccia. With sub-angular granule to pebble sized phyllic granodiorite clasts. Quartz matrix host trace disseminated pyrite.			
								Py	0.1	DI
21.19	21.44	BX	34	-	NUL	1	Dark grey quartz vein breccia. With sub-angular pebble to cobble sized phyllic/argillic granodiorite clasts. Quartz matrix host trace disseminated pyrite.			
								Py	0.1	DI
33.15	33.17	VB	37	75	NUL	1	Grey to smoky quartz vein breccia hosting trace disseminated pyrite.			
								Py	0.1	DI
33.81	34.00	BN		-	NUL	1	Grey to smoky quartz breccia. With sub-angular pebble to cobble sized phyllic/argillic granodiorite clasts. Quartz matrix host trace disseminated pyrite.			
								Py	0.1	DI
36.16	36.20	GO	34	75	NUL	1	Strongly gouge altered grey quartz feldspar porphyry dyke.			
43.83	43.89	GO	34	60	NUL	1	Light brown gouge seam.			
44.97	45.00	GO	34	50	NUL	1	Light brown gouge seam.			
52.40	52.49	VB	37	10	NUL	1	Smokey quartz brecciating phyllic altered granodiorite. Hosts disseminated to blebby pyrite. Hosts a small milky quartz veinlet along the outer rim of brecciation.			
								Py	10	BL
52.54	52.59	VN	37	45	NUL	1	Quartz/carbonate vein hosting semi-massive to blebby pyrite.			
								Py	55	BL
65.41	65.51	BX	34	-	NUL	1	weak argillic/phyllic altered granodiorite brecciated by smokey quartz. Breccia hosts blebby pyrite. Clast sizes range from sand size to roughly pebble. Slightyly gouge altered.			
								Py	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
65.51	65.63	BX	34	-	NUL	1	weak argillic/phyllic altered granodiorite brecciated by smokey quartz. Breccia hosts blebby pyrite. Clast sizes range from sand size to roughly pebble.			
								Py	6	BL
74.77	74.90	VN	37	30	NUL	1	Smokey quartz/carbonate vein within moderately phyllic altered granodiorite. Vein hosts disseminated to blebby pyrite.			
								Py	8	DI
74.90	74.95	VN	37	50	NUL	1	5cm smokey quartz vein. Vein hosts disseminated to blebby pyrite throughout. Obliquely crosscuts a joint, leading to smokey quartz brecciation of phyllic altered granodiorite. Slight gouge alteration along joint plane.			
								Py	20	BL
								Py	10	DI
76.97	77.00	VN	37	55	NUL	1	Cream carbonate/quartz enveloped by quartz flooded phyllic altered granodiorite. Carbonate vein hosts blebby sphalerite (both black and honey brown), blebby pyrite, and disseminated galena along the outer selvedges of the vein. Small veinlet breaks off of the main vein along the same attitude hosting the same mineralization. Pyrite is found disseminated outside of the vein in host granodiorite.			
								Py	8	BL
								Gn	3	DI
								Sp	15	BL
85.88	86.02	VN	37	30	NUL	1	Cream carbonate veinlet with an argillic/phyllic altered granodiorite envelope. Veinlet hosts disseminated to blebby pyrite and blebbs of honey brown sphalerite along the upper selvedge of the carbonate veinlet. Carbonate veinlet envelops a large strongly propylitic altered granodiorite (appears like a breccia clast within carbonate veinlet. Roughly cobble size)			
								Sp	2	BL
								Py	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
96.77	96.79	VN	37	40	NUL	1	Smokey quartz/carbonate vein cross cutting moderately argillic/phyllic altered granodiorite. Vein hosts semi-massive blebby pyrite, disseminated blebs of blackjack and honey brown sphalerite, and minor disseminated serecite.			
								Sp	5	BL
								Py	65	BL
								Se	0.1	BL
97.74	97.79	VN	37	25	NUL	1	Steeply dipping 2.5cm smokey quartz/carbonate vein cross cutting weak argillic/phyllic altered granodiorite. Vein hosts disseminated to blebby pyrite. Smokey quartz veinlets and stringers hosting disseminated blebs of pyrite eminate from main smokey quartz vein in a net texture along the lower selvedge of the vein.			
								Py	5	DI
								Py	20	BL
97.85	98.07	VN	37	35	NUL	1	Banded smokey quartz/carbonate vein found within quartz flooded phyllic altered granodiorite. Mineralized zone has banded zoning consisting of mineralization disseminated in quartz flooded phyllic granodiorite between quartz/carbonate vein mineralization. Vein zone hosts massive pyrite, blebby sphalerite, and disseminated galena.			
								Gn	0.5	DI
								Sp	5	BL
								Py	35	MA
104.78	104.90	BX	34	-	NUL	1	Smokey quartz breccia hosting disseminated pyrite. Brecciates weakly argillic/propylitic altered granodiorite.			
								Py	2	DI
105.17	105.23	VN	37	30	NUL	1	2cm smokey quartz/carbonate vein found within moderate argillic/phyllic altered granodiorite. Vein hosts blebby sphalerite (honey brown) pyrite, and galena parallels both selvedges of the vein. A small carbonate stringer emanating from the vein hosts blebby pyrite, semi massive sphalerite (honey brown), galena, and arsenopyrite. Pyrite found proximal to the main carbonate vein carries a bladed texture.			
								As	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	7	BL
								Sp	5	BL
								Gn	2	BL
								Py	3	BA
107.99	108.49	VN	37	60	NUL	1	Multiphase polymetallic quartz/carbonate/sulphide vein. Vein can be broken up into three distinct sections. The first is 23cm of smoky quartz minorly brecciating grey quartz/pyrite vein and cream carbonate/sphalerite/galena vein and strong phyllic granodiorite. The second section is 15cm cream carbonate with a few clast of grey quartz hosting pyrite. Blebby brown sphalerite and galena along upper and lower margin of carbonate. The third section 12cm of grey quartz hosting blebby to semi-massive pyrite with minor interstitial carbonate. Pyrite is bladed along grey quartz, carbonate margin.			
								Sp	5	BL
								Gn	1	BL
								Py	15	MA
110.83	111.24	VN	37	45	NUL	1	Smokey quartz/carbonate vein zone found in moderate argillic/weak phyllic altered granodiorite. Vein zone is a multi-stage system. Carbonate veining is present that hosts semi-massive blebby pyrite and sphalerite, found proximal to carbonate vein. The pyrite found proximal vein displays bladed texture along carbonate contact, transitioning into semi massive blebby pyrite. Smokey quartz brecciates carbonate vein phase, and hosts blebby pyrite, honey brown sphalerite, and trace disseminated galena.			
								Py	20	MA
								Py	1	BA
								Sp	5	BL
								Gn	1	BL
112.24	112.27	VN	37	50	NUL	1	Smokey quartz vein hosting massive blebby pyrite. Vein is found within a weakly phyllic altered granodiorite halo.			
								Py	80	MA
112.44	112.81	VN	37	60	NUL	4	4 quartz/smokey quartz veins, ranging from 1-6cm, hosting blebs of massive pyrite within and proximal to quartz veins.			
								Py	40	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	5	BL
123.45	123.58	VT	37	70	NUL	4	Four 0.2-0.5cm quartz/carbonate/sulphide veinlets. Hosting disseminated pyrite and galena. Phyllic granodiorite between veinlets hosts disseminated pyrite.			
								Gn	1	DI
								Py	5	DI
123.64	123.67	VN	37	70	NUL	1	Banded cream carbonate and grey quartz vein hosting blebby pyrite.			
								Py	10	BL
127.44	127.47	VB	37	50	NUL	1	Tan ankerite vein breccia with pebble sized clasts of grey quartz that hosts disseminated pyrite.			
								Py	0.1	DI
129.96	129.97	VN	37	40	NUL	1	Massive pyrite vein.			
								Py	100	MA
131.31	131.32	VT	37	80	NUL	1	Grey quartz veinlet hosting blebby pyrite.			
								Py	25	BL
131.95	132.10	VB	37	65	NUL	1	Tan ankerite vein breccia with pebble sized clast of phyllic granodiorite and grey quartz hosting disseminated pyrite.			
								Py	1	DI
134.30	134.38	VB	37	70	NUL	1	Smoky quartz vein breccia hosting disseminated pyrite. Pebble sized clasts of phyllic granodiorite.			
								Py	5	DI
135.20	135.21	VN	37	30	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	60	BL
137.08	137.12	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite. Cut by carbonate stringers			
								Py	7	BL
144.45	144.51	VN	37	80	NUL	1	Smoky quartz vein breccia hosting disseminated to blebby pyrite. Pebble to cobble sized clasts of phyllic granodiorite.			
								Py	2	BL
144.54	144.77	GO	34	-	NUL	1	Broken up grey gouge zone.			
147.40	147.40	VN	37	70	NUL	1	Banded grey quartz and tan ankerite vein. Quartz hosts blebby pyrite.			
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
148.63	148.65	VN	37	80	NUL	1	Grey quartz vein with interstitial white carbonate and tan ankerite hosting disseminated to blebby pyrite.			
								Py	10	BL
151.83	151.85	VN	37	70	NUL	1	Grey quartz vein with a white carbonate veinlet along it upper selvedge. Hosts disseminated to blebby pyrite.			
								Py	15	BL
152.46	152.50	VN	37	70	NUL	1	Smoky quartz vein breccia hosting blebby pyrite. Pebble sized clast of phyllic granodiorite.			
								Py	20	BL
152.51	152.53	GO	34	80	NUL	1	Grey gouge seam.			
152.58	152.61	GO	34	70	NUL	1	Dark grey gouge seam hosting disseminated pyrite.			
								Py	1	DI
152.61	152.65	VB	37	80	NUL	1	Partially gouge altered smoky quartz vein breccia hosting disseminated pyrite.			
								Py	5	DI
158.33	158.34	VT	37	40	NUL	1	0.8cm grey quartz veinlet hosting blebby pyrite and trace disseminated galena.			
								Gn	0.1	DI
								Py	70	BL
158.83	159.31	BX	34	-	NUL	1	Partially gouge altered smoky quartz breccia with pebble sized clast of silicified granodiorite and dyke. Breccia is partially sericite altered. Hosts disseminated to blebby pyrite, blackjack sphalerite and disseminated galena.			
								Gn	1	DI
								Sp	8	BL
								Py	20	BL
160.97	161.00	VN	37	35	NUL	1	Grey to dark grey quartz vein.			
168.92	168.97	VB	37	85	NUL	1	Smokey quartz breccia along brown quartz feldspar porphyry dyke. Displays moderate gouge alteration. Trace disseminated pyrite found throughout.			
								Py	0.1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
169.04	169.28	BX	34	-	NUL	1	Large banded breccia found at argillic/phyllic altered granodiorite and quartz feldspar porphyry dyke contact. Smokey quartz brecciates quartz and quartz feldspar porphyry dyke, displaying strong banding between dyke and smokey quartz. Hosts disseminated pyrite throughout.			
								Py	1	DI
174.94	175.03	VN	37	60	NUL	1	multiphase polymetallic vein. smokey quartz/carbonate veinlets are injected into a quartz vein within moderately silicified weak phyllic granodiorite. Vein hosts semi-massive blebs of pyrite proximal to the vein, but found between types of quartz, as well as sporadic disseminated brown sphalerite. Smokey quartz/quartz/pyrite displays slightly banded texture.			
								As	8	BL
								Py	25	BL
								Sp	1	DI
178.42	178.49	BX	34	75	NUL	1	Smokey quartz brecciating highly silicified quartz flooded phyllic granodiorite. Clasts of both quartz and granodiorite are found within the smokey quartz breccia. Breccia hosts disseminated pyrite, and large blebs of pyrite.			
								Py	3	BL
182.46	182.55	VN	37	45	NUL	1	Moderately gouge altered granodiorite and quartz vein. Hosts trace disseminated pyrite.			
								Py	0.1	DI
183.42	184.21	VT	37	-	NUL	1	Argillic phyllic altered granodiorite hosting disseminated blebs of tourmaline and pyrite throughout.			
								Py	1	DI
								To	5	BL
187.21	187.23	VT	37	50	NUL	1	argillic/phyllic altered granodiorite carrying a 0.7cm quartz carbonate veinlet. Veinlet carries blebby pyrite and blebby galena. Galena is found distal to pyrite mineralizaton. Chlorite is present along upper and lower selvedge of veinlet.			
								Py	3	BL
								Gn	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
187.56	187.62	VT	37	55	NUL	2	weak to moderately argillic/phyllic altered granodiorite hosting a quartz carbonate stringer and veinlet. Veinlets (0.2 and 0.5cm) host disseminated to blebby pyrite. Larger veinlet also displays chlorite mineralization along veinlet as well.			
								Py	1	BL
								Py	2	DI
191.47	191.63	VN	37	60	NUL	2	Phyllic altered granodiorite carrying 2 quartz veins (2.5, 3.5cm). Quartz veins host semi massive blebs of pyrite throughout veins. Disseminations of pyrite eminate from both veins into phyllic altered host rock.			
								Py	3	DI
								Py	25	MA
192.23	192.27	VN	37	-	NUL	1	Quartz vein crosscutting slightly argillic/phyllic altered granodiorite. Granodiorite is quartz flooded and moderately silicified. Quartz vein hosts massive blebby pyrite, and massive blebby arsenopyrite.			
								As	20	MA
								Py	30	MA
192.32	192.37	VN	37	30	NUL	1	Smokey quartz vein cross cutting weakly argillic/phyllic altered granodiorite. This 3cm vein hosts massive blebby pyrite, and blebby arsenopyrite.			
								As	10	BL
								Py	55	MA
197.04	197.21	VN	37	10	NUL	1	Low angle quartz vein hosting blebby pyrite.			
								Py	2	BL
197.25	197.30	VN	37	55	NUL	1	Quartz carbonate vein crosscutting weakly argillic altered granodiorite. 4cm vein is a quartz vein with carbonates concentrated along the lower selvedge. Vein hosts massive blebby pyrite within quartz portion of the vein. Carbonte phase of this vein carries blebby arsenopyrite, and zoned honey brown sphalerite along both selvedges of the carbonate veining.			
								Py	35	MA
								Sp	7	BL
								As	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
197.70	197.77	VN	37	70	NUL	2	Two carbonate veins crosscutting weak to moderately argillic/phyllic altered granodiorite. Veinlets are 1cm and 0.3cm. Larger 1cm carbonate vein displays carbonate zoning. Both veins host disseminated to blebby arsenopyrite and pyrite distal to the carbonate veining.			
								As	8	DI
								Py	15	DI
200.91	200.94	VN	37	70	NUL	1	Smokey quartz carbonate vein found crosscutting moderate to strongly argillic/phyllic altered grandiorite. Vein hosts blebby arsenopyrite, and disseminated pyrite.			
								Py	5	DI
								As	60	BL
200.98	201.10	VN	37	70	NUL	1	Massive carbonate vein. Carbonate vein has stringers found in a weak net texture eminating from the main vein. Disseminated pyrite found on upper selvedge of vein.			
								Py	0.1	DI
203.85	204.00	GO	34	-	NUL	1	Broken up grey gouge zone hosting disseminated pyrite.			
								Py	3	DI
204.00	204.36	VN	37	20	NUL	1	Long low angle grey quartz vein hosting blebby pyrite.			
								Py	25	BL
211.03	211.08	VN	37	50	NUL	1	Dark grey quartz vein hosting blebby pyrite and arsenopyrite. Partial white carbonate vein along lower selvedge.			
								Py	35	BL
								As	15	BL
212.22	212.23	VN	37	70	NUL	1	Grey quartz vein with minor amounts of interstitial cream carbonate hosting blebby pyriute and disseminated arsenopyrite, trace disseminated honey brown sphalerite.			
								As	5	DI
								Sp	0.1	DI
								Py	40	BL
212.27	212.32	VT	37	70	NUL	2	Two 0.1-0.3cm grey quartz veinlets hosting disseminated pyrite.			
								Py	50	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
213.74	214.05	BX	34	-	NUL	1	Net of white to light tan carbonate veinlets brecciating phyllic granodiorite. Net is cut by two grey quartz veinlets. Hosts disseminated pyrite.			
								Py	2	DI
214.05	214.23	BX	34	75	NUL	1	Dark grey quartz breccia hosting disseminated to blebby pyrite and arsenopyrite. Quartz brecciates phyllic granodiorite and is cut by a few tan ankerite veinlets.			
								As	2	BL
								Py	5	BL
215.67	215.69	VB	37	60	NUL	1	Light tan ankerite vein breccia hosting trace disseminated pyrite. Minorly brecciates phyllic granodiorite.			
								Py	0.1	DI
215.93	216.00	VN	37	50	NUL	1	Grey quartz vein hosting blebby to semi-massive pyrite and chalcopyrite and blebby arsenopyrite. Hosts minor amounts of interstitial white carbonate and a white carbonate veinlet along its upper selvedge.			
								Cp	15	MA
								Py	50	MA
								As	10	BL
218.73	218.74	VN	37	70	NUL	1	Grey quartz vein hosting an abundance of blebby pyrite, disseminated arsenopyrite and interstitial white carbonate.			
								As	5	DI
								Py	65	BL
219.32	219.33	VT	37	60	NUL	1	Banded grey quartz and tan ankerite veinlet (0.8cm) hosting disseminated pyrite.			
								Py	25	BL
223.97	224.01	VB	37	20	NUL	1	Unmineralized grey carbonate vein breccia.			
227.80	227.82	VN	37	60	NUL	1	Grey to dark grey quartz vein hosting blebby pyrite and disseminated arsenopyrite.			
								As	10	DI
								Py	50	BL
227.92	227.99	VB	37	80	NUL	1	Light tan ankerite vein breccia with clasts of phyllic granodiorite a quartz/pyrite vein.			
								Py	5	BL
228.13	228.15	VN	37	60	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	25	BL
238.51	238.53	VN	37	70	NUL	1	Grey quartz vein breccia hosting disseminated to blebby pyrite. Minorly brecciates phyllic granodiorite and white calcite.			
								Py	10	BL
239.29	239.40	DY	37	40	NUL	1	Dull pink aplite dyke.			
240.04	240.05	VN	37	80	NUL	1	Light grey quartz vein hosting disseminated to blebby pyrite.			
								Py	10	BL
241.76	242.32	VT	37	70	NUL	2	Two 0.5cm grey quartz veinlets hosting blebby pyrite.			
								Py	50	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383142	6889184	1432.84	114.91

ZONE: Pika

SECTION:

HOLE: KL-16-304

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: -

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	35.4	-50.6	Reflex
114.9	36.3	-51.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.18	5.18	OVB
5.18	24.63	19.45	GRD
24.63	60.2	35.57	GRD
60.2	111.21	51.01	GRD
111.21	114.91	3.7	GRD

SAMPLES	
Numbers:	K292608 to K292663
Total:	56
Batch:	026, 027, 029
Certificates:	

COMMENTS

Box Log

KL-16-304

Klaza
Pika Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	8.23
2	8.23	13.37
3	13.37	17.37
4	17.37	21.28
5	21.28	25.49
6	25.49	29.33
7	29.33	34.37
8	34.37	38.48
9	38.48	41.89
10	41.89	45.79
11	45.79	49.96
12	49.96	54.07
13	54.07	58.5
14	58.5	62.62
15	62.62	66.82
16	66.82	71
17	71	75.29
18	75.29	79.67
19	79.67	83.83
20	83.83	87.93
21	87.93	92.35
22	92.35	96.59
23	96.59	100.92
24	100.92	104.91
25	104.91	109.14
26	109.14	113.38
27	113.38	114.91

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-304									
	87.48	22	NQ2	GRD	1254.6	613.2	2.69	2.0	0.8cm wide quartz/pyrite veinlet
	94.36	23	NQ2	GRD	1228.6	775.3	2.52	2.7	Grey to dark grey quartz minorly brecciating phyllic granodiorite. Pebble to cobble sized clasts. Breccia is minorly cut by white carbonate. Hosts disseminated tp blebby pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	5.18	5.18	OVB	MG	Overburden.							
						MD	BN					
5.18	24.63	19.45	GRD	MG	Extremely rubbly, strongly pervasively oxidized, granodiorite. Appears to be weak to moderately phyllic altered with patchy argillic alteration. Oxidation obscures most rock textures making it difficult to determine.							
						MD	OR	RB	OXI	4I		
						MD	BN		PHC	2I		
						MD	GY		ARG	3I		
						DK	OR		PHC	3I		
24.63	60.20	35.57	GRD	MG	Patchy moderately oxidized, weak to moderately silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite throughout, multiple zones of pyrite stringers and gouge. Interval has large rubbly patches. Core competency increases with depth. Oxidation obscures some rock textures.							
						MD	OR					
						MD	GN		OXI	3I		
						LT	GY	PA	PHC	3I	Py	1
						LT	GN					
60.20	68.88	8.68	GRD	MG	Alternating patches of moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite and an abundance of quartz/pyrite veins, veinlets and stringers. Moderate oxidation along fracture surfaces.							
						MD	OR	PA	PHC	3I	Py	1
						MD	GN		OXI	3I		
						LT	GN		PHC	4I		
68.88	71.31	2.43	GRD	MG	Silicified weakly propyllitic altered granodiorite with patchy weak argillic alteration.							
						MD	GY	PA	PRO	3I		
						LT	WH		SIL	3I		
						DK	GN		PRO	2I		
									ARG	3I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
71.31	85.80	14.49	GRD	MG	Alternating patches of moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite and an abundance of quartz/pyrite veins, veinlets and stringers. Moderate oxidation along fracture surfaces.							
						MD	OR	PA	PHC	3I	Py	1
						MD	GN		OXI	3I		
						LT	GN		PHC	4I		
85.80	87.30	1.50	GRD	MG	Silicified weakly propyllitic altered granodiorite with patchy weak argillic alteration.							
						MD	GY		PRO	3I		
						LT	WH		SIL	3I		
						DK	GN		PRO	2I		
									ARG	2I		
									ARG	3I		
87.30	111.21	23.91	GRD	MG	Alternating patches of moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite and an abundance of quartz/pyrite veins, veinlets and stringers. Moderate oxidation along fracture surfaces.							
						MD	OR	PA	PHC	3I	Py	1
						MD	GN		OXI	3I		
						LT	GN		PHC	4I		
111.21	114.91	3.70	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy argillic alteration. Patchy moderate oxidation throughout the interval.							
						MD	GN		PHC	3I		
						MD	OR		ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	3I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	5.18	5.18	OVB	MG	Overburden.							
						MD	BN					
5.18	24.63	19.45	GRD	MG	Extremely rubbly, strongly pervasively oxidized, granodiorite. Appears to be weak to moderately phyllic altered with patchy argillic alteration. Oxidation obscures most rock textures making it difficult to determine.							
						DK	OR		PHC	3I		
						MD	OR	RB	OXI	4I		
						MD	BN		PHC	2I		
						MD	GY		ARG	3I		
24.63	60.20	35.57	GRD	MG	Patchy moderately oxidized, weak to moderately silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite throughout, multiple zones of pyrite stringers and gouge. Interval has large rubbly patches. Core competency increases with depth. Oxidation obscures some rock textures.							
						LT	GY	PA	PHC	3I	Py	1
						MD	GN		OXI	3I		
						LT	GN					
						MD	OR					
60.20	111.21	51.01	GRD	MG	Alternating patches of moderate to strongly phyllic altered granodiorite. Occasional minor argillic/potassic alteration patches throughout. Hosts disseminated pyrite and an abundance of quartz/pyrite veins, veinlets and stringers. Moderate oxidation along fracture surfaces.							
						MD	OR	PA	PHC	3I	Py	1
						LT	GN		PHC	4I		
						MD	GN		OXI	3I		
111.21	114.91	3.70	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy argillic alteration. Patchy moderate oxidation throughout the interval.							
						LT	WH		ARG	3I		
						MD	OR		ARG	2I		
						MD	GN		PHC	3I		
						LT	GN	PA	PHC	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0	0	0.00	0	--	--	--	Drill casing
2.13	5.18	3.05	0.95	31	0.00	0	--	1H	6W	Soil
5.18	8.23	3.05	1.29	42	0.00	0	--	1H	5W	
8.23	11.28	3.05	1.01	33	0.00	0	--	1H	5W	
11.28	14.33	3.05	1.74	57	0.20	7	--	1H	4W	
14.33	17.37	3.04	1.45	48	0.00	0	--	1H	5W	
17.37	20.42	3.05	1.46	48	0.00	0	--	1H	5W	
20.42	23.47	3.05	1.4	46	0.00	0	--	1H	5W	
23.47	26.52	3.05	1.68	55	0.23	8	--	2H	5W	
26.52	29.57	3.05	1.65	54	0.16	5	--	1H	4W	
29.57	32.61	3.04	1.28	42	0.64	21	--	2H	4W	
32.61	35.66	3.05	2.13	70	0.98	32	--	2H	3W	
35.66	38.71	3.05	2.71	89	1.53	50	--	2H	3W	
38.71	41.76	3.05	1.97	65	0.68	22	--	2H	4W	
41.76	44.81	3.05	2.56	84	1.04	34	--	3H	3W	
44.81	47.85	3.04	2.99	98	2.15	71	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.59	85	--	3H	2W	
50.90	53.95	3.05	3.01	99	2.35	77	--	3H	1W	
53.95	57.00	3.05	2.96	97	2.14	70	--	3H	1W	
57.00	60.05	3.05	2.55	84	1.55	51	--	3H	2W	
60.05	63.09	3.04	2.91	96	1.87	62	--	3H	2W	
63.09	66.14	3.05	2.8	92	2.18	71	--	3H	1W	
66.14	69.19	3.05	2.95	97	2.16	71	--	3H	1W	
69.19	72.24	3.05	2.92	96	2.66	87	--	2H	1W	
72.24	75.29	3.05	2.89	95	1.70	56	--	3H	1W	
75.29	78.33	3.04	2.85	94	1.91	63	--	2H	2W	
78.33	81.38	3.05	2.84	93	0.72	24	--	1H	2W	
81.38	84.43	3.05	2.95	97	1.49	49	--	2H	2W	
84.43	87.48	3.05	2.93	96	1.27	42	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.89	95	1.35	44	--	3H	1W	
90.53	93.57	3.04	2.98	98	2.27	75	--	3H	1W	
93.57	96.62	3.05	3	98	2.59	85	--	3H	1W	
96.62	99.67	3.05	2.9	95	2.77	91	--	3H	1W	
99.67	102.72	3.05	2.92	96	1.17	38	--	1H	1W	Contains gouge zone
102.72	105.77	3.05	2.93	96	2.13	70	--	3H	1W	
105.77	108.81	3.04	2.86	94	2.52	83	--	3H	1W	Contains sub vertical joint with heavy oxide infill
108.81	111.86	3.05	2.68	88	2.34	77	--	4H	1W	
111.86	114.91	3.05	2.85	93	2.60	85	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	OVB	
1	0	OVB	
2	0	OVB	
3	0	OVB	
4	0	OVB	
5	0	OVB	
6	3.1	GRD	
7	5.3	GRD	
8	0	GRD	No whole core
9	0.137	GRD	
10	0	GRD	No whole core
11	0.137	GRD	
12	0.17	GRD	
13	0.354	GRD	
14	0.294	GRD	
15	0.161	GRD	
16	0.37	GRD	
17	0.446	GRD	
18	0.394	GRD	
19	0.058	GRD	
20	0.063	GRD	
21	0.202	GRD	
22	0.308	GRD	
23	0.172	GRD	
24	0.188	GRD	
25	0.235	GRD	
26	0	GRD	No whole core
27	0	GRD	No whole core
28	0.064	GRD	
29	0.327	GRD	
30	0.183	GRD	
31	0.452	GRD	
32	0.133	GRD	
33	0.271	GRD	
34	0.395	GRD	
35	0.366	GRD	
36	0.475	GRD	
37	0.147	GRD	
38	0.246	GRD	
39	0.046	GRD	
40	0.149	GRD	
41	0.267	GRD	
42	0.172	GRD	
43	0.3	GRD	
44	0.208	GRD	
45	0.428	GRD	
46	0.16	GRD	
47	0.333	GRD	
48	0.281	GRD	
49	0.287	GRD	
50	0.196	GRD	
51	0.187	GRD	
52	0.646	GRD	
53	0.304	GRD	
54	0.279	GRD	
55	1.91	GRD	
56	0.219	GRD	
57	0.321	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.32	GRD	
59	0.109	GRD	
60	0.341	GRD	
61	0.412	GRD	
62	0.358	GRD	
63	0.536	GRD	
64	0.364	GRD	
65	0.554	GRD	
66	0.112	GRD	
67	0.219	GRD	
68	0.366	GRD	
69	10.71	GRD	
70	14.19	GRD	
71	0.764	GRD	
72	0.63	GRD	
73	0.037	GRD	
74	0.111	GRD	
75	0.126	GRD	
76	0.618	GRD	
77	0.4	GRD	
78	0.399	GRD	
79	0.136	GRD	
80	0.154	GRD	
81	0.216	GRD	
82	2.428	GRD	
83	0.333	GRD	
84	0.264	GRD	
85	0.236	GRD	
86	0.391	GRD	
87	0.338	GRD	
88	0.406	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.195	GRD	
90	0.218	GRD	
91	0.363	GRD	
92	0.171	GRD	
93	0.264	GRD	
94	0.048	GRD	
95	0.218	GRD	
96	0.227	GRD	
97	0.263	GRD	
98	0.222	GRD	
99	0.197	GRD	
100	0.162	GRD	
101	0.227	GRD	
102	0.096	GRD	
103	0.254	GRD	
104	0.26	GRD	
105	0.119	GRD	
106	0.199	GRD	
107	0.279	GRD	
108	0.283	GRD	
109	0.145	GRD	
110	0.191	GRD	
111	0.265	GRD	
112	0.14	GRD	
113	0.268	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292612	☐	16-026			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292615	☐	16-026		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292626	☐	16-027			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292631	☐	16-027		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292640	☐	16-027			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292647	☐	16-027		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292609	☐	16-026		KL-STD4	☐	☐	☐
17.37	20.42	3.05	GRD	1.46	48	K292608	☐	16-026			☐	☐	☐
20.42	23.47	3.05	GRD	1.40	46	K292610	☐	16-026			☐	☐	☐
23.47	26.52	3.05	GRD	1.68	55	K292611	☐	16-026			☐	☐	☐
26.52	29.57	3.05	GRD	1.65	54	K292613	☐	16-026			☐	☐	☐
29.57	32.61	3.04	GRD	1.28	42	K292614	☐	16-026			☐	☐	☐
32.61	35.66	3.05	GRD	2.13	70	K292616	☐	16-026			☐	☐	☐
35.66	38.71	3.05	GRD	2.71	89	K292617	☐	16-026			☐	☐	☐
38.71	41.76	3.05	GRD	1.97	65	K292618	☐	16-026			☐	☐	☐
41.76	43.25	1.49	GRD	1.30	87	K292619	☐	16-026			☐	☐	☐
43.25	45.56	2.31	GRD	2.31	100	K292620	☐	16-026			☐	☐	☐
45.56	46.21	0.65	GRD	0.65	100	K292621	☐	16-027			☐	☐	☐
46.21	48.16	1.95	GRD	1.93	99	K292622	☐	16-027			☐	☐	☐
48.16	49.55	1.39	GRD	1.39	100	K292623	☐	16-027			☐	☐	☐
49.55	50.90	1.35	GRD	1.35	100	K292624	☐	16-027			☐	☐	☐
50.90	51.40	0.50	GRD	0.50	100	K292625	☐	16-027			☐	☐	☐
51.40	52.43	1.03	GRD	1.03	100	K292627	☐	16-027			☐	☐	☐
52.43	53.95	1.52	GRD	1.50	99	K292628	☐	16-027			☐	☐	☐
53.95	54.45	0.50	GRD	0.50	100	K292629	☐	16-027			☐	☐	☐
54.45	57.00	2.55	GRD	2.37	93	K292630	☐	16-027			☐	☐	☐
57.00	60.05	3.05	GRD	2.97	97	K292632	☐	16-027			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
60.05	63.09	3.04	GRD	3.02	99	K292633	☐	16-027			☐	☐	☐
63.09	65.19	2.10	GRD	2.10	100	K292634	☐	16-027			☐	☐	☐
65.19	67.19	2.00	GRD	1.91	96	K292635	☐	16-027			☐	☐	☐
67.19	68.88	1.69	GRD	1.66	98	K292636	☐	16-027			☐	☐	☐
67.19	68.88	1.69	GRD	1.66	98	K292637	☐	16-027			☐	☐	☑
68.88	71.32	2.44	GRD	2.44	100	K292638	☐	16-027			☐	☐	☐
71.32	73.38	2.06	GRD	2.06	100	K292639	☐	16-027			☐	☐	☐
73.38	76.02	2.64	GRD	2.61	99	K292641	☐	16-027			☐	☐	☐
76.02	79.07	3.05	GRD	2.91	95	K292642	☐	16-027			☐	☐	☐
76.02	79.07	3.05	GRD	2.91	95	K292643	☐	16-027			☐	☑	☐
79.07	81.10	2.03	GRD	1.99	98	K292644	☐	16-027			☐	☐	☐
81.10	83.21	2.11	GRD	2.07	98	K292645	☐	16-027			☐	☐	☐
83.21	84.43	1.22	GRD	1.17	96	K292646	☐	16-027			☐	☐	☐
84.43	87.36	2.93	GRD	2.93	100	K292648	☐	16-027			☐	☐	☐
87.36	89.83	2.47	GRD	2.46	100	K292649	☐	16-027			☐	☐	☐
89.83	91.50	1.67	GRD	1.64	98	K292650	☐	16-027			☐	☐	☐
91.50	93.69	2.19	GRD	2.08	95	K292651	☐	16-027			☐	☐	☐
93.69	95.17	1.48	GRD	1.45	98	K292652	☐	16-027			☐	☐	☐
95.17	97.30	2.13	GRD	2.12	100	K292653	☐	16-027			☐	☐	☐
97.30	98.66	1.36	GRD	1.36	100	K292654	☐	16-027			☐	☐	☐
98.66	100.18	1.52	GRD	1.38	91	K292655	☐	16-027			☐	☐	☐
100.18	102.10	1.92	GRD	1.89	98	K292656	☐	16-027			☐	☐	☐
102.10	104.56	2.46	GRD	2.42	98	K292657	☐	16-029			☐	☐	☐
104.56	106.36	1.80	GRD	1.78	99	K292658	☐	16-029			☐	☐	☐
106.36	108.63	2.27	GRD	2.13	94	K292659	☐	16-029			☐	☐	☐
108.63	110.92	2.29	GRD	2.08	91	K292660	☐	16-029			☐	☐	☐
110.92	112.70	1.78	GRD	1.73	97	K292661	☐	16-029			☐	☐	☐
112.70	114.36	1.66	GRD	1.50	90	K292662	☐	16-029			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
114.36	114.91	0.55	GRD	0.55	100	K292663	☐	16-029			☐	☐	☐

KL-16-304

Pika

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	17.37			☐	☐	☐	☐	
16-026	K292609	0.00	0.00	0.41	430	☐	☐	☐	☑ KL-STD4	
16-026	K292612	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-026	K292615	0.00	0.00	0.85	260	☐	☐	☐	☑ KL-STD5	
16-027	K292626	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-027	K292631	0.00	0.00	0.35	520	☐	☐	☐	☑ KL-STD4	
16-027	K292640	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-027	K292647	0.00	0.00	0.87	920	☐	☐	☐	☑ KL-STD5	
16-026	K292608	17.37	20.42	0.05	1490	☐	☐	☐	☐	
16-026	K292610	20.42	23.47	0.06	2280	☐	☐	☐	☐	
16-026	K292611	23.47	26.52	0.08	1450	☐	☐	☐	☐	
16-026	K292613	26.52	29.57	0.02	580	☐	☐	☐	☐	
16-026	K292614	29.57	32.61	0.03	170	☐	☐	☐	☐	
16-026	K292616	32.61	35.66	0.02	200	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-026	K292617	35.66	38.71	0.03	260	☐	☐	☐	☐	
16-026	K292618	38.71	41.76	0.05	380	☐	☐	☐	☐	
16-026	K292619	41.76	43.25	0.17	120	☐	☐	☐	☐	
16-026	K292620	43.25	45.56	0.01	400	☐	☐	☐	☐	
16-027	K292621	45.56	46.21	0.65	320	☐	☐	☐	☐	
16-027	K292622	46.21	48.16	0.02	2150	☐	☐	☐	☐	
16-027	K292623	48.16	49.55	0.04	140	☐	☐	☐	☐	
16-027	K292624	49.55	50.90	0.02	860	☐	☐	☐	☐	
16-027	K292625	50.90	51.40	0.21	240	☐	☐	☐	☐	
16-027	K292627	51.40	52.43	0.05	720	☐	☐	☐	☐	
16-027	K292628	52.43	53.95	0.03	1320	☐	☐	☐	☐	
16-027	K292629	53.95	54.45	0.13	530	☐	☐	☐	☐	
16-027	K292630	54.45	57.00	0.02	1080	☐	☐	☐	☐	
16-027	K292632	57.00	60.05	0.02	1500	☐	☐	☐	☐	
16-027	K292633	60.05	63.09	0.02	2280	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-027	K292634	63.09	65.19	0.02	1520	☐	☐	☐	☐	
16-027	K292635	65.19	67.19	0.23	140	☐	☐	☐	☐	
16-027	K292636	67.19	68.88	0.01	1970	☐	☐	☐	☐	
16-027	K292637	67.19	68.88	0.01	2090	☐	☑	☐	☐	
16-027	K292638	68.88	71.32	0.01	2810	☐	☐	☐	☐	
16-027	K292639	71.32	73.38	0.05	180	☐	☐	☐	☐	
16-027	K292641	73.38	76.02	0.07	170	☐	☐	☐	☐	
16-027	K292642	76.02	79.07	0.07	1320	☐	☐	☐	☐	
16-027	K292643	76.02	79.07	0.12	1600	☑	☐	☐	☐	
16-027	K292644	79.07	81.10	0.01	320	☐	☐	☐	☐	
16-027	K292645	81.10	83.21	0.09	1430	☐	☐	☐	☐	
16-027	K292646	83.21	84.43	0.01	1170	☐	☐	☐	☐	
16-027	K292648	84.43	87.36	0.02	1060	☐	☐	☐	☐	
16-027	K292649	87.36	89.83	0.02	330	☐	☐	☐	☐	
16-027	K292650	89.83	91.50	0.04	2130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-027	K292651	91.50	93.69	0.03	870	☐	☐	☐	☐	
16-027	K292652	93.69	95.17	0.04	400	☐	☐	☐	☐	
16-027	K292653	95.17	97.30	0.01	480	☐	☐	☐	☐	
16-027	K292654	97.30	98.66	0.01	880	☐	☐	☐	☐	
16-027	K292655	98.66	100.18	0.02	480	☐	☐	☐	☐	
16-027	K292656	100.18	102.10	0.09	390	☐	☐	☐	☐	
16-029	K292657	102.10	104.56	0.01	210	☐	☐	☐	☐	
16-029	K292658	104.56	106.36	0.01	860	☐	☐	☐	☐	
16-029	K292659	106.36	108.63	0.01	230	☐	☐	☐	☐	
16-029	K292660	108.63	110.92	0.02	350	☐	☐	☐	☐	
16-029	K292661	110.92	112.70	0.02	1000	☐	☐	☐	☐	
16-029	K292662	112.70	114.36	0.01	990	☐	☐	☐	☐	
16-029	K292663	114.36	114.91	0.09	400	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
30.92	30.93	VN	37	15	NUL	1	Oxidized long low and quartz vein hosting blebby pyirte.			
								Py	50	BL
35.20	35.21	VN	37	20	NUL	1	Oxidized long low and quartz vein hosting blebby pyirte.			
36.54	36.55	VN	37	40	NUL	1	Oxidized grey quartz vein hosting blebby pyrite and interstitial white carbonate.			
								Py	30	BL
37.96	38.02	GO	34	-	NUL	1	Oxidized gouge zone			
39.65	40.47	GO	34	-	NUL	1	Rubbly strong gouge altered phyllic granodiorite hosting disseminated pyrite.			
								Py	1	DI
42.28	42.62	GO	34	-	NUL	1	Significantly gouge altered phyllic granodiorite hosting disseminated pyrite.			
								Py	10	DI
45.81	45.97	VB	37	65	NUL	1	Grey to dark grey quartz vein brecciated by oxidized white carbonate. Hosts disseminated to blebby pyrite and chalcopyrite and disseminated honey brown sphalerite and galena.			
								Py	10	BL
								Gn	1	DI
								Cp	2	BL
								Sp	1	DI
48.27	48.28	VN	37	5	NUL	1	1cm wide undulating long low angle oxidized quartz vein hosting blebby pyrite.			
								Py	90	BL
49.58	52.35	VT	37	5	NUL	4	Four 0.5cm wide 35-55cm undulating long low angle quartz/pyrite veinlets.			
								Py	60	BL
51.45	51.51	VN	37	70	NUL	1	Banded grey quartz and white carbonate vein hosting blebby pyrite.			
								Py	20	BL
54.24	54.30	VB	37	70	NUL	1	Oxidized grey quartz vein brecciated by white carbonate. Hosts an abundance of blebby pyrite.			
								Py	85	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
56.86	56.88	VN	37	50	NUL	1	Oxidized and gouge altered quartz/pyrite vein.			
								Py	50	BL
58.23	58.28	VN	37	40	NUL	1	Oxidized cream carbonate vein.			
59.75	64.30	VT	37	70	NUL	16	Sixteen 0.1-0.3cm quartz/pyrite veinlets.			
								Py	50	DI
64.49	64.50	VT	37	20	NUL	1	Undulating 0.6cm wide quartz/pyrite veinlet.			
								Py	75	BL
65.57	65.95	GO	34	-	NUL	1	Rubbly oxidized grey gouge zone hosting disseminated pyrite.			
								Py	10	DI
66.24	66.80	VN	37	50	NUL	2	Two 1cm wide grey quartz veins hosting disseminated to blebby pyrite.			
								Py	40	BL
71.56	76.04	VT	37	75	NUL	17	Seventeen 0.1-0.2cm quartz/pyrite veinlets.			
								Py	50	DI
74.82	72.84	VN	37	20	NUL	1	Oxidized and gouge altered quartz/carbonate vein hosting blebby pyrite.			
								Py	60	BL
77.07	77.33	VB	37	50	NUL	1	Oxidized strongly gouge altered quartz breccia hosting disseminated pyrite.			
								Py	10	DI
80.81	80.83	VN	37	40	NUL	1	Gouge altered grey quartz vein hosting blebby pyrite.			
								Py	40	BL
83.30	83.32	GO	34	30	NUL	1	Oxidized gouge seam			
85.01	85.02	VN	37	30	NUL	1	Grey quartz vein with interstitial white carbonate hosting blebby pyrite.			
								Py	60	BL
87.68	87.69	VT	37	30	NUL	1	0.8cm wide quartz/pyrite veinlet			
								Py	60	BL
88.25	96.30	VT	37	70	NUL	22	Twenty-two 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	60	DI
89.49	89.73	VT	37	50	NUL	3	Three 0.2-0.4cm wide quartz/pyrite veinlets.			
								Py	60	DI
93.80	93.94	GO	34	-	NUL	1	Oxidized gouge zone.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
93.94	94.50	BX	34	-	NUL	1	Grey to dark grey quartz minorly brecciating phyllic granodiorite. Pebble to cobble sized clasts. Breccia is minorly cut by white carbonate. Hosts disseminated tp blebby pyrite.			
								Py	3	BL
95.09	95.12	VN	37	75	NUL	1	Smoky quartz vein hosting disseminated pyrite. Quartz is minorly brecciated by white carbonate.			
								Py	3	DI
95.93	96.00	BX	34	-	NUL	1	White carbonate brecciating phyllic granodiorite.			
98.82	104.48	VN	37	20	NUL	6	6 shallow dipping quartz veins and veinlets (ranging from 1cm to 0.2cm). Quartz veins and veinlets host blebby pyrite throughout.			
								Py	60	BL
100.10	100.19	BX	34	-	NUL	1	Weakly brecciated smokey quartz/carbonate/phyllic altered granodiorite. Hosts trace disseminated pyrite along smokey quartz breccia.			
								Py	0.1	DI
106.49	106.62	VN	37	10	NUL	1	Two shallow dipping quartz (10*TCA) veins hosting blebby to disseminated pyrite. Slight gouge alteratoin present in second vein.			
								Py	5	BL
								Py	5	DI
108.28	108.31	VT	37	20	NUL	1	shallow dipping quartz vein hosting blebby pyrite throughout. Vein ends at a smokey quartz veinlet that runs perpendicular to core.			
								Py	80	BL
109.27	109.70	VT	37	10	NUL	1	Shallow dipping quartz veinlet crosscutting moderately phyllic altered granodiorite. Vein hosts disseminated to slightly blebby pyrite, and small pyrite stringers eminate from the veinlet.			
								Py	1	DI
								Py	1	BL
109.92	110.07	ST		40	NUL	2	Two pyrite stringers at 40 and 60*TCA that intersect eachother within a moderately argillic altered granodiorite with waek overprinting. Quartz stringers host blebby pyrite. (~0.2cm each).			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	70	BL
112.26	112.71	VN	37	10	NUL	1	Quartz vein crosscutting weakly argillic/potassic altered granodiorite that has been weakly oxidized. Quartz vein hosts disseminated blebs of pyrite.			
								Py	2	BL
114.70	114.91	VB	37	-	NUL	1	Quartz flooded granodiorite that has been brecciated by carbonate veining. Breccia vein hosts disseminated pyrite. Breccia is moderaetly oxidized.			
								Py	1	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383253	6889665	1394	151.18

ZONE: Eastern Klaza

SECTION:

HOLE: KL-16-305

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: -

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
4.87	32.3	-50.1	Reflex
151.18	35.8	-51	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.4	4.4	OVB
4.4	22.4	18	GRD
22.4	27.14	4.74	GRD
27.14	31.59	4.45	QFP
31.59	50.85	19.26	GRD
50.85	71.57	20.72	GRD
71.57	101.46	29.89	GRD
101.46	112.41	10.95	GRD
112.41	116.15	3.74	GRD
116.15	125.49	9.34	GRD
125.49	126.68	1.19	GRD
126.68	151.18	24.5	GRD

SAMPLES	
Numbers:	K292664 to K292700, K292746 to K292749, S047001 to S047032
Total:	73
Batch:	020, 029, 030, 032
Certificates:	TR16114053, VA16112569, VA16112571, VA16121836

COMMENTS

Box Log

KL-16-305

Klaza
stern Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	7.26
2	7.26	11.39
3	11.39	15.46
4	15.46	19.45
5	19.45	23.47
6	23.47	27.06
7	27.06	31.29
8	31.29	35.52
9	35.52	39.38
10	39.38	43.48
11	43.48	47.11
12	47.11	50.84
13	50.84	54.9
14	54.9	58.84
15	58.84	63.02
16	63.02	67.03
17	67.03	71.1
18	71.1	75.09
19	75.09	79.17
20	79.17	82.94
21	82.94	87.04
22	87.04	91.12
23	91.12	94.87
24	94.87	99.08
25	99.08	103.03
26	103.03	107
27	107	110.02
28	110.02	115.33
29	115.33	119.61
30	119.61	123.88
31	123.88	128
32	128	132.33
33	132.33	136.52
34	136.52	140.82
35	140.82	145.14
36	145.14	149.45
37	149.45	151.18

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-305									
	74.12	9	NQ2	GRD	655.2	451.1	3.43	3.2	0.6 cm banded grey quartz vein hosting blebby to semi-massive pyrite and chalcopyrite found in silicified weak phyllic granodiorite.
	76.6	5	NQ2	GRD	345.7	240.3	3.26	3.3	Grey quartz vein brecciated with white carbonate stringers hosting bands of disseminated to blebby sulphides (pyrite, sphalerite, galena).
	88.17	18	NQ2	GRD	1285.6	905.5	3.36	3.4	Grey to smoky quartz vein breccia with a 5cm white carbonate vein along its upper selvedge. Hosts disseminated to blebby pyrite, blackjack sphalerite and disseminated galena. Pyrite appears to have partially replaced some of the carbonate vein.
	115.44	12.4	NQ2	GRD	852.6	598.8	3.24	3.4	Massive sulphide quartz vein with interstitial tan ankerite. Hosts blebby blackjack sphalerite, pyrite, galena and disseminated arsenopyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.40	6.23	1.83	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
6.23	10.60	4.37	GRD	MG	Rubbly pervasively strongly oxidized phyllic envelope with patchy weak argillic alteration. Goethite staining on ~50% of fracture surfaces. Oxidation obscures rock textures.							
						MD	OR	RB	PHC	3I	Go	1
								EN	OXI	3I		
									ARG	2I		
10.60	12.28	1.68	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	OR					
12.28	17.33	5.05	GRD	MG	Rubbly pervasively strongly oxidized phyllic envelope with patchy weak argillic alteration. Goethite staining on ~50% of fracture surfaces. Oxidation obscures rock textures. Hosts a significantly gouge altered quartz/sulphide breccia.							
						MD	OR	RB	OXI	3I	Go	1
						LT	GN	EN	OXI	4I		
						LT	WH		PHC	3I		
									ARG	3I		
									ARG	2I		
17.33	22.40	5.07	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY					
22.40	27.14	4.74	GRD	MG	Pervasively strongly oxidized moderately phyllic altered granodiorite with minor patches of weak argillic alteration. Quartz breccia proximal to dyke contact.							
						MD	OR		PHC	3I		
						MD	GN		OXI	3I		
						LT	GN		ARG	2I		
27.14	31.59	4.45	QFP	FG	Medium grey to light green quartz feldspar porphyry dyke. Moderate oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						MD	GY		OXI	3I		
						LT	GN					
31.59	50.85	19.26	GRD	MG	Moderately phyllic altered granodiorite with patchy pervasive oxidation and moderate oxidation. Hosts multiple rubbly patches.							
						MD	OR		OXI	3I		
						LT	GN	RB	PHC	3I		
						LT	WH		ARG	3I		
50.85	52.22	1.37	GRD	MG	Unaltered granodiorite with patchy weak argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY		ARG	2I		
						MD	OR		OXI	3I		
52.22	56.40	4.18	GRD	MG	Moderately phyllic altered granodiorite with patchy moderate oxidation. Hosts a few minor quartz/carbonate/sulphide veins.							
						MD	OR		OXI	3I		
						MD	GN					
						LT	GN	EN	PHC	3I		
56.40	58.68	2.28	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
58.68	63.67	4.99	GRD	MG	Silicified moderately phyllic altered granodiorite. Moderate oxidation along fracture surfaces. Hosts a few minor quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
						LT	GN	EN	SIL	3I		
63.67	66.68	3.01	GRD	MG	Unaltered granodiorite with patchy weak argillic alteration. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						LT	OR		ARG	2I		
66.68	69.92	3.24	GRD	MG	Silicified moderately phyllic altered granodiorite. Moderate oxidation along fracture surfaces.							
						LT	GN	EN	PHC	3I		
						LT	OR		OXI	3I		
69.92	71.57	1.65	GRD	MG	Silicified weakly propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						DK	GN					
71.57	101.46	29.89	GRD	MG	Silicified weak to moderately phyllic altered granodiorite with patches of weak to moderate argillic alteration. Patchy moderate oxidation throughout and moderate to strong oxidation on fracture surfaces. Hosts multiple quartz/carbonate and quartz/carbonate/sulphide veins.							
						MD	GN		ARG	2I		
						MD	OR		PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	2I		
									OXI	2I		
									OXI	3I		
									OXI	4I		
									SIL	2I		
101.46	112.41	10.95	GRD	MG	Silicified weakly propyllitic altered granodiorite with minor phyllic halos around quartz/carbonate +/- sulphide veins.							
						MD	GY	PA	SIL	2I		
						MD	GN		PHC	2I		
						LT	GN		PRO	2I		
						DK	GN	EN	SIL	2I		
									PHC	3I		
112.41	116.15	3.74	GRD	MG	Weakly propyllitic and moderately phyllic altered granodiorite with patchy argillic/potassic alteration. Hosts a large polymetallic massive sulphide quartz/carbonate vein at the end of the interval.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
						DK	GN					
116.15	125.49	9.34	GRD	MG	Silicified weakly propyllitic altered granodiorite with rubbly patches.							
						MD	GY		SIL	3I		
						LT	GY	RB	SIL	2I		
						DK	GN		PRO	2I		
125.49	126.68	1.19	GRD	MG	Moderate phyllic envelope surrounding a polymetallic quartz/carbonate/sulphide vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	GN	EN	PHC	3I		
126.68	151.18	24.50	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patches of silicification.							
						MD	GY		SIL	2I		
						MD	PK		PRO	1I		
						DK	GN		SIL	3I		
									POT	2I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.40	22.40	18.00	GRD	MG	Unaltered granodiorite with two large pervasively oxidized phyllic/argillic envelopes around quartz veining. Moderate oxidation along fracture surfaces. Envelopes contain rubbly patches.							
						MD	GY	RB	PHC	3I		
						MD	OR		OXI	3I		
						LT	GN		OXI	4I		
									ARG	3I		
22.40	27.14	4.74	GRD	MG	Pervasively strongly oxidized moderately phyllic altered granodiorite with minor patches of weak argillic alteration. Quartz breccia proximal to dyke contact.							
						MD	GN		OXI	3I		
						MD	OR		PHC	3I		
						LT	GN		ARG	2I		
27.14	31.59	4.45	QFP	FG	Medium grey to light green quartz feldspar porphyry dyke. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GN					
31.59	50.85	19.26	GRD	MG	Moderately phyllic altered granodiorite with patchy pervasive oxidation and moderate oxidation. Hosts multiple rubbly patches.							
						MD	OR		OXI	3I		
						LT	GN	RB	PHC	3I		
						LT	WH		ARG	3I		
50.85	71.57	20.72	GRD	MG	Unaltered granodiorite with large silicified phyllic envelopes around quartz/carbonate +/- sulphide veining. Moderate oxidation along fracture surfaces.							
						MD	OR					
						LT	GN		OXI	3I		
						MD	GY		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
71.57	101.46	29.89	GRD	MG	Silicified weak to moderately phyllic altered granodiorite with patches of weak to moderate argillic alteration. Patchy moderate oxidation throughout and moderate to strong oxidation on fracture surfaces. Hosts multiple quartz/carbonate and quartz/carbonate/sulphide veins.							
						MD	GN		ARG	2I		
									OXI	2I		
									OXI	3I		
									SIL	2I		
						LT	WH		ARG	2I		
									OXI	4I		
						LT	GN	PA	PHC	2I		
						MD	OR		PHC	3I		
101.46	112.41	10.95	GRD	MG	Silicified weakly propyllitic altered granodiorite with minor phyllic halos around quartz/carbonate +/- sulphide veins.							
						MD	GN		PHC	2I		
						MD	GY	PA	SIL	2I		
						DK	GN	EN	SIL	2I		
						LT	GN		PRO	2I		
									PHC	3I		
112.41	116.15	3.74	GRD	MG	Weakly propyllitic and moderately phyllic altered granodiorite with patchy argillic/potassic alteration. Hosts a large polymetallic massive sulphide quartz/carbonate vein at the end of the interval.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						MD	GN		PRO	2I		
						DK	GN					
						LT	GN	EN	PHC	3I		
116.15	125.49	9.34	GRD	MG	Silicified weakly propyllitic altered granodiorite with rubbly patches.							
						MD	GY		SIL	3I		
						DK	GN		PRO	2I		
						LT	GY	RB	SIL	2I		
125.49	126.68	1.19	GRD	MG	Moderate phyllic envelope surrounding a polymetallic quartz/carbonate/sulphide vein.							
						LT	GN	EN	PHC	3I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.68	151.18	24.50	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite with patches of silicification.							
						MD	PK		PRO	1I		
						DK	GN		SIL	3I		
						MD	GY		SIL	2I		
									PRO	2I		
									POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	1.06	20	0.33	6	--	1H	1W	interval includes casing
5.18	8.23	3.05	2.65	87	1.08	35	--	2H	5W	
8.23	11.28	3.05	2.38	78	1.16	38	--	2H	4W	
11.28	14.33	3.05	2.66	87	1.16	38	--	2H	4W	
14.33	17.37	3.04	2.44	80	1.37	45	--	3H	3W	
17.37	20.42	3.05	2.76	90	1.13	37	--	3H	3W	
20.42	23.47	3.05	2.76	90	0.72	24	--	3H	3W	
23.47	26.52	3.05	2.62	86	0.84	28	--	3H	4W	
26.52	29.57	3.05	2.51	82	1.03	34	--	3H	3W	
29.57	32.61	3.04	2.64	87	1.78	59	--	3H	2W	
32.61	35.66	3.05	2.78	91	1.33	44	--	3H	2W	
35.66	38.71	3.05	2.77	91	1.92	63	--	3H	2W	
38.71	41.76	3.05	2.97	97	1.65	54	--	4H	1W	
41.76	44.81	3.05	2.25	74	0.57	19	--	2H	4W	Rubble
44.81	47.85	3.04	2.29	75	0.58	19	--	2H	4W	Rubble
47.85	50.90	3.05	1.68	55	0.47	15	--	2H	5W	Rubble
50.90	53.95	3.05	2.67	88	0.56	18	--	1H	3W	
53.95	57.00	3.05	2.57	84	0.46	15	--	2H	4W	
57.00	60.05	3.05	2.9	95	1.59	52	--	3H	2W	
60.05	63.09	3.04	2.87	94	1.95	64	--	3H	2W	
63.09	66.14	3.05	2.85	93	1.45	48	--	3H	1W	
66.14	69.19	3.05	2.87	94	1.31	43	--	2H	3W	
69.19	72.24	3.05	3.05	100	2.59	85	--	3H	1W	
72.24	75.29	3.05	2.7	89	1.40	46	--	3H	1W	
75.29	78.33	3.04	2.81	92	1.54	51	--	3H	1W	
78.33	81.38	3.05	3.02	99	1.25	41	--	2H	2W	
81.38	84.43	3.05	2.94	96	1.64	54	--	2H	2W	
84.43	87.48	3.05	2.96	97	1.79	59	--	3H	2W	
87.48	90.53	3.05	3	98	1.93	63	--	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.67	88	1.52	50	--	3H	3W	
93.57	96.62	3.05	2.72	89	1.72	56	--	3H	3W	
96.62	99.67	3.05	3	98	2.18	71	--	4H	1W	
99.67	102.72	3.05	2.85	93	2.10	69	--	4H	1W	
102.72	105.77	3.05	2.85	93	2.18	71	--	3H	1W	
105.77	108.81	3.04	2.74	90	2.07	68	--	3H	1W	
108.81	111.86	3.05	2.94	96	0.69	23	--	3H	1W	
111.86	114.91	3.05	2.94	96	1.93	63	--	1H	2W	Contains gouge
114.91	117.96	3.05	2.87	94	1.25	41	--	3H	2W	
117.96	121.01	3.05	2.92	96	2.19	72	--	4H	1W	
121.01	124.05	3.04	2.81	92	1.05	35	--	4H	1W	
124.05	127.10	3.05	2.21	72	1.26	41	--	1H	1W	
127.10	130.15	3.05	2.98	98	1.79	59	--	4H	1W	
130.15	133.20	3.05	2.91	95	2.34	77	--	4H	1W	
133.20	136.25	3.05	2.88	94	2.03	67	--	4H	1W	
136.25	139.29	3.04	2.96	97	1.79	59	--	4H	1W	
139.29	142.34	3.05	2.93	96	1.92	63	--	4H	1W	
142.34	145.39	3.05	2.85	93	1.89	62	--	4H	1W	
145.39	148.44	3.05	3.03	99	2.42	79	--	4H	1W	
148.44	151.18	2.74	2.55	93	1.08	39	--	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
5	16.1	GRD	
6	8.56	GRD	
7	0.208	GRD	
8	0.158	GRD	
9	0.144	GRD	
10	12.6	GRD	
11	16.7	GRD	
12	6.25	GRD	
13	0.29	GRD	
14	0.302	GRD	
15	0.426	GRD	
16	1.07	GRD	
17	0.416	GRD	
18	11.5	GRD	
19	14.6	GRD	
20	17.4	GRD	
21	5.05	GRD	
22	1.36	GRD	
23	0.347	GRD	
24	0.364	GRD	
25	0.67	GRD	
26	0.43	GRD	
27	0.224	GRD	
28	0.337	QFP	
29	0.254	QFP	
30	0.27	QFP	
31	0.468	QFP	
32	0.748	GRD	
33	0.505	GRD	
34	0.464	GRD	
35	0.454	GRD	
36	0.331	GRD	
37	0.271	GRD	
38	0.638	GRD	
39	0.369	GRD	
40	0.66	GRD	
41	0.357	GRD	
42	0.495	GRD	
43	0.511	GRD	
44	0.177	GRD	
45	0.208	GRD	
46	0.501	GRD	
47	0.213	GRD	
48	6.92	GRD	
49	0.35	GRD	
50	0.566	GRD	
51	19.2	GRD	
52	12.3	GRD	
53	0.69	GRD	
54	0.42	GRD	
55	0.342	GRD	
56	5.64	GRD	
57	0.512	GRD	
58	0.448	GRD	
59	0.471	GRD	
60	0.423	GRD	
61	0.168	GRD	
62	0.426	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
63	9.92	GRD	
64	0.965	GRD	
65	14.2	GRD	
66	53.4	GRD	
67	0.116	GRD	
68	0.41	GRD	
69	0.567	GRD	
70	8.16	GRD	
71	7.96	GRD	
72	0.53	GRD	
73	0.454	GRD	
74	0.378	GRD	
75	0.238	GRD	
76	0.164	GRD	
77	0.305	GRD	
78	0.172	GRD	
79	0.135	GRD	
80	0.125	GRD	
81	0.161	GRD	
82	0.228	GRD	
83	0.157	GRD	
84	0.157	GRD	
85	0.169	GRD	
86	0.128	GRD	
87	0.116	GRD	
88	0.553	GRD	
89	0.454	GRD	
90	0.386	GRD	
91	0.221	GRD	
92	0.316	GRD	
93	0.309	GRD	
94	0.249	GRD	
95	0.224	GRD	
96	0.294	GRD	
97	0.198	GRD	
98	1.62	GRD	
99	0.178	GRD	
100	0.289	GRD	
101	0.152	GRD	
102	13.3	GRD	
103	9	GRD	
104	0.183	GRD	
105	0.245	GRD	
106	0.133	GRD	
107	0.168	GRD	
108	0.397	GRD	
109	0.148	GRD	
110	0.208	GRD	
111	0.315	GRD	
112	4.2	GRD	
113	0.549	GRD	
114	0.074	GRD	
115	0.518	GRD	
116	0.18	GRD	
117	0.241	GRD	
118	0.195	GRD	
119	0.286	GRD	
120	0.3	GRD	
121	0.26	GRD	
122	0.358	GRD	
123	39.3	GRD	
124	0.419	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
125	12.8	GRD	
126	0.199	GRD	
127	23.3	GRD	
128	2.47	GRD	
129	30.2	GRD	
130	40.8	GRD	
131	44.8	GRD	
132	0.316	GRD	
133	30.3	GRD	
134	0.13	GRD	
135	0.293	GRD	
136	0.176	GRD	
137	0.199	GRD	
138	0.361	GRD	
139	0.163	GRD	
140	0.112	GRD	
141	0.355	GRD	
142	0.557	GRD	
143	37	GRD	
144	46.5	GRD	
145	50.9	GRD	
146	0.469	GRD	
147	3.12	GRD	
148	0.421	GRD	
149	0.23	GRD	
150	0	GRD	To Fractured to mag
151	26.3	GRD	EOH

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047024	☐	16-030		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292675	☐	16-029			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292683	☐	16-029		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292689	☐	16-029			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292749	☐	16-020	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047002	☐	16-030			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047009	☐	16-030			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047014	☐	16-030		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292671	☐	16-029		KL-STD4	☐	☐	☐
11.98	12.48	0.50	GRD	0.50	100	K292664	☐	16-029			☐	☐	☐
12.48	13.09	0.61	GRD	0.61	100	K292665	☐	16-029			☐	☐	☐
12.48	13.09	0.61	GRD	0.61	100	K292666	☐	16-029			☐	☑	☐
13.09	13.60	0.51	GRD	0.51	100	K292667	☐	16-029			☐	☐	☐
13.60	14.10	0.50	GRD	0.50	100	K292668	☐	16-029			☐	☐	☐
14.10	14.60	0.50	GRD	0.50	100	K292669	☐	16-029			☐	☐	☐
38.71	39.80	1.09	GRD	1.09	100	K292670	☐	16-029			☐	☐	☐
39.80	41.76	1.96	GRD	1.94	99	K292672	☐	16-029			☐	☐	☐
41.76	43.84	2.08	GRD	1.90	91	K292673	☐	16-029			☐	☐	☐
43.84	44.92	1.08	GRD	0.99	92	K292674	☐	16-029			☐	☐	☐
44.92	45.67	0.75	GRD	0.65	87	K292676	☐	16-029			☐	☐	☐
45.67	46.83	1.16	GRD	1.05	91	K292677	☐	16-029			☐	☐	☐
46.83	47.85	1.02	GRD	1.00	98	K292678	☐	16-029			☐	☐	☐
47.85	48.80	0.95	GRD	0.94	99	K292679	☐	16-029			☐	☐	☐
47.85	48.80	0.95	GRD	0.94	99	K292680	☐	16-029			☐	☐	☑
48.80	50.71	1.91	GRD	1.56	82	K292681	☐	16-029			☐	☐	☐
72.24	73.34	1.10	GRD	1.10	100	K292682	☐	16-029			☐	☐	☐
73.34	73.88	0.54	GRD	0.50	93	K292684	☐	16-029			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
73.88	74.61	0.73	GRD	0.72	99	K292746	☐	16-020	HG		☐	☐	☐
74.61	75.63	1.02	GRD	1.02	100	K292685	☐	16-029			☐	☐	☐
75.63	76.17	0.54	GRD	0.53	98	K292686	☐	16-029			☐	☐	☐
76.17	76.69	0.52	GRD	0.51	98	K292747	☐	16-020	HG		☐	☐	☐
76.69	77.35	0.66	GRD	0.56	85	K292687	☐	16-029			☐	☐	☐
77.35	78.33	0.98	GRD	0.98	100	K292688	☐	16-029			☐	☐	☐
78.33	81.38	3.05	GRD	2.99	98	K292690	☐	16-029			☐	☐	☐
81.38	84.43	3.05	GRD	2.90	95	K292691	☐	16-029			☐	☐	☐
84.43	85.68	1.25	GRD	1.25	100	K292692	☐	16-029			☐	☐	☐
85.68	86.51	0.83	GRD	0.73	88	K292693	☐	16-030			☐	☐	☐
86.51	87.48	0.97	GRD	0.97	100	K292694	☐	16-030			☐	☐	☐
87.48	88.07	0.59	GRD	0.59	100	K292695	☐	16-030			☐	☐	☐
88.07	88.84	0.77	GRD	0.77	100	K292748	☐	16-020	HG		☐	☐	☐
88.84	89.48	0.64	GRD	0.57	89	K292696	☐	16-030			☐	☐	☐
88.84	89.48	0.64	GRD	0.57	89	K292697	☐	16-030			☐	☐	☑
89.48	89.99	0.51	GRD	0.50	98	K292698	☐	16-030			☐	☐	☐
89.99	90.53	0.54	GRD	0.52	96	K292699	☐	16-030			☐	☐	☐
90.53	92.63	2.10	GRD	1.85	88	K292700	☐	16-030			☐	☐	☐
92.63	94.87	2.24	GRD	2.12	95	S047001	☐	16-030			☐	☐	☐
94.87	96.62	1.75	GRD	1.73	99	S047003	☐	16-030			☐	☐	☐
96.62	98.93	2.31	GRD	2.28	99	S047004	☐	16-030			☐	☐	☐
98.93	99.44	0.51	GRD	0.50	98	S047005	☐	16-030			☐	☐	☐
99.44	100.00	0.56	GRD	0.54	96	S047006	☐	16-030			☐	☐	☐
100.00	100.53	0.53	GRD	0.53	100	S047007	☐	16-030			☐	☐	☐
100.53	101.09	0.56	GRD	0.56	100	S047008	☐	16-030			☐	☐	☐
101.09	101.59	0.50	GRD	0.50	100	S047010	☐	16-030			☐	☐	☐
101.59	102.72	1.13	GRD	1.13	100	S047011	☐	16-030			☐	☐	☐
102.72	105.77	3.05	GRD	2.91	95	S047012	☐	16-030			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
105.77	108.81	3.04	GRD	3.00	99	S047013	☐	16-030			☐	☐	☐
108.81	111.86	3.05	GRD	3.01	99	S047015	☐	16-030			☐	☐	☐
111.86	112.64	0.78	GRD	0.78	100	S047016	☐	16-030			☐	☐	☐
111.86	112.64	0.78	GRD	0.78	100	S047017	☐	16-030			☐	☑	☐
112.64	113.63	0.99	GRD	0.99	100	S047018	☐	16-030			☐	☐	☐
113.63	114.22	0.59	GRD	0.53	90	S047019	☐	16-030			☐	☐	☐
114.22	115.22	1.00	GRD	1.00	100	S047020	☐	16-030			☐	☐	☐
115.22	115.68	0.46	GRD	0.44	96	S047021	☐	16-030			☐	☐	☐
115.68	116.18	0.50	GRD	0.50	100	S047022	☐	16-030			☐	☐	☐
116.18	116.68	0.50	GRD	0.50	100	S047023	☐	16-030			☐	☐	☐
116.68	117.96	1.28	GRD	1.28	100	S047025	☐	16-030			☐	☐	☐
117.96	121.01	3.05	GRD	3.05	100	S047026	☐	16-030			☐	☐	☐
121.01	124.05	3.04	GRD	3.00	99	S047027	☐	16-030			☐	☐	☐
124.05	126.11	2.06	GRD	1.74	84	S047028	☐	16-030			☐	☐	☐
126.11	126.64	0.53	GRD	0.52	98	S047029	☐	16-032			☐	☐	☐
126.64	127.06	0.42	GRD	0.42	100	S047030	☐	16-032			☐	☐	☐
127.06	127.56	0.50	GRD	0.50	100	S047031	☐	16-032			☐	☐	☐
127.56	128.12	0.56	GRD	0.56	100	S047032	☐	16-032			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	11.98			☐	☐	☐	☐	
16-029	K292671	0.00	0.00	0.38	430	☐	☐	☐	☑ KL-STD4	
16-029	K292675	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-029	K292683	0.00	0.00	0.86	600	☐	☐	☐	☑ KL-STD5	
16-029	K292689	0.00	0.00	0.00	600	☐	☐	☑	☐	
16-020	K292749	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-030	S047002	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-030	S047009	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-030	S047014	0.00	0.00	0.38	320	☐	☐	☐	☑ KL-STD4	
16-030	S047024	0.00	0.00	0.89	530	☐	☐	☐	☑ KL-STD5	
16-029	K292664	11.98	12.48	0.02	2010	☐	☐	☐	☐	
16-029	K292665	12.48	13.09	0.01	1210	☐	☐	☐	☐	
16-029	K292666	12.48	13.09	0.01	1380	☑	☐	☐	☐	
16-029	K292667	13.09	13.60	0.47	800	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-029	K292668	13.60	14.10	0.18	930	☐	☐	☐	☐	
16-029	K292669	14.10	14.60	0.02	1330	☐	☐	☐	☐	
		14.60	38.71			☐	☐	☐	☐	
16-029	K292670	38.71	39.80	0.00	2730	☐	☐	☐	☐	
16-029	K292672	39.80	41.76	0.01	1360	☐	☐	☐	☐	
16-029	K292673	41.76	43.84	1.31	610	☐	☐	☐	☐	
16-029	K292674	43.84	44.92	4.09	100	☐	☐	☐	☐	
16-029	K292676	44.92	45.67	1.39	300	☐	☐	☐	☐	
16-029	K292677	45.67	46.83	0.07	1490	☐	☐	☐	☐	
16-029	K292678	46.83	47.85	2.11	300	☐	☐	☐	☐	
16-029	K292679	47.85	48.80	0.07	1360	☐	☐	☐	☐	
16-029	K292680	47.85	48.80	0.03	1360	☐	☑	☐	☐	
16-029	K292681	48.80	50.71	0.02	2380	☐	☐	☐	☐	
		50.71	72.24			☐	☐	☐	☐	
16-029	K292682	72.24	73.34	0.01	1310	☐	☐	☐	☐	
16-029	K292684	73.34	73.88	0.00	1210	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-020	K292746	73.88	74.61	0.30	520	☐	☐	☐	☐	
16-029	K292685	74.61	75.63	0.11	750	☐	☐	☐	☐	
16-029	K292686	75.63	76.17	0.00	670	☐	☐	☐	☐	
16-020	K292747	76.17	76.69	0.89	200	☐	☐	☐	☐	
16-029	K292687	76.69	77.35	0.11	1390	☐	☐	☐	☐	
16-029	K292688	77.35	78.33	0.02	870	☐	☐	☐	☐	
16-029	K292690	78.33	81.38	0.00	760	☐	☐	☐	☐	
16-029	K292691	81.38	84.43	0.00	590	☐	☐	☐	☐	
16-029	K292692	84.43	85.68	0.00	490	☐	☐	☐	☐	
16-030	K292693	85.68	86.51	0.16	460	☐	☐	☐	☐	
16-030	K292694	86.51	87.48	0.00	790	☐	☐	☐	☐	
16-030	K292695	87.48	88.07	0.01	590	☐	☐	☐	☐	
16-020	K292748	88.07	88.84	0.55	170	☐	☐	☐	☐	
16-030	K292696	88.84	89.48	0.02	610	☐	☐	☐	☐	
16-030	K292697	88.84	89.48	0.01	620	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-030	K292698	89.48	89.99	0.00	1030	☐	☐	☐	☐	
16-030	K292699	89.99	90.53	0.00	1000	☐	☐	☐	☐	
16-030	K292700	90.53	92.63	0.01	810	☐	☐	☐	☐	
16-030	S047001	92.63	94.87	0.03	1120	☐	☐	☐	☐	
16-030	S047003	94.87	96.62	0.02	620	☐	☐	☐	☐	
16-030	S047004	96.62	98.93	0.01	1010	☐	☐	☐	☐	
16-030	S047005	98.93	99.44	0.19	580	☐	☐	☐	☐	
16-030	S047006	99.44	100.00	0.01	660	☐	☐	☐	☐	
16-030	S047007	100.00	100.53	0.00	500	☐	☐	☐	☐	
16-030	S047008	100.53	101.09	0.91	100	☐	☐	☐	☐	
16-030	S047010	101.09	101.59	0.00	510	☐	☐	☐	☐	
16-030	S047011	101.59	102.72	0.00	1210	☐	☐	☐	☐	
16-030	S047012	102.72	105.77	0.01	670	☐	☐	☐	☐	
16-030	S047013	105.77	108.81	0.01	510	☐	☐	☐	☐	
16-030	S047015	108.81	111.86	0.01	500	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-030	S047016	111.86	112.64	0.01	450	☐	☐	☐	☐	
16-030	S047017	111.86	112.64	0.00	410	☑	☐	☐	☐	
16-030	S047018	112.64	113.63	0.30	540	☐	☐	☐	☐	
16-030	S047019	113.63	114.22	0.04	370	☐	☐	☐	☐	
16-030	S047020	114.22	115.22	0.02	1010	☐	☐	☐	☐	
16-030	S047021	115.22	115.68	1.03	150	☐	☐	☐	☐	
16-030	S047022	115.68	116.18	0.05	550	☐	☐	☐	☐	
16-030	S047023	116.18	116.68	0.00	1090	☐	☐	☐	☐	
16-030	S047025	116.68	117.96	0.00	400	☐	☐	☐	☐	
16-030	S047026	117.96	121.01	0.00	360	☐	☐	☐	☐	
16-030	S047027	121.01	124.05	0.01	840	☐	☐	☐	☐	
16-030	S047028	124.05	126.11	0.01	1110	☐	☐	☐	☐	
16-032	S047029	126.11	126.64	2.65	400	☐	☐	☐	☐	
16-032	S047030	126.64	127.06	0.00	1960	☐	☐	☐	☐	
16-032	S047031	127.06	127.56	0.08	1100	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-032	S047032	127.56	128.12	0.02	1470	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
13.14	13.65	BX	34	-	NUL	1	Rubbly, pervasively oxidized and strongly gouges altered quartz breccia hosting disseminated pyrite. Goethite staining along fracture surfaces.			
								Py	1	DI
14.42	14.43	VN	37	70	NUL	1	Oxidized banded grey quartz/white carbonate vein hosting disseminated pyrite.			
								Py	10	DI
23.56	23.58	VB	37	60	NUL	1	Oxidized white carbonate vein breccia. Host pebble sized clasts of quartz/pyrite.			
								Py	1	DI
24.79	24.80	VN	37	80	NUL	1	White carbonate vein with minor amounts of interstitial grey quartz.			
								Py	1	DI
26.56	26.98	BX	34	-	NUL	1	Strongly oxidized grey quartz breccia with of phyllic granodiorite and quartz/pyrite. Breccia is cut by minor white carbonate veinlets.			
								Py	2	DI
31.62	31.85	BX	34	-	NUL	1	Rubbly, strongly oxidized quartz breccia hosting disseminated pyrite. Appears to have pebble sized clasts of quartz/pyrite, phyllic granodiorite and dyke.			
								Py	1	DI
32.71	32.72	VN	37	80	NUL	1	Banded smoky quartz and white carbonate hosting disseminated pyrite.			
								Py	1	DI
35.97	36.00	VB	37	80	NUL	1	Oxidized white carbonate vein breccia. Brecciates grey quartz hosting disseminated pyrite.			
								Py	1	DI
41.09	41.11	VB	37	80	NUL	1	Grey quartz vein brecciating phyllic granodiorite.			
41.82	41.91	VB	37	80	NUL	1	Smoky quartz breccia that is minorly brecciated by cream carbonate. Breccia hosts disseminated pyrite and trace disseminated sphalerite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
42.50	42.51	VN	37	75	NUL	1	Irregularly banded smoky quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	2	DI
42.64	43.16	GO	34	-	NUL	1	Zone of significantly gouge altered phyllic granodiorite. Hosts disseminated pyrite.			
								Py	1	DI
43.95	44.01	VN	37	-	NUL	1	Extremely rubble quartz/pyrite vein. Interval is rubble and pyrite sand.			
								Py	30	BL
44.40	44.92	VB	37	80	NUL	4	Four 3-5cm oxidized grey quartz veins brecciated by white carbonate veinlets hosts disseminated pyrite and blackjack sphalerite.			
								Py	10	DI
								Sp	1	DI
46.01	46.02	VN	37	40	NUL	1	Oxidized, banded grey quartz/white carbonate vein hosting disseminated to blebby pyrite, sphalerite and galena.			
								Gn	1	DI
								Py	10	BL
								Sp	1	DI
47.61	47.62	VN	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	80	BL
54.21	54.22	VN	37	40	NUL	1	Irregularly banded grey quartz/white carbonate vein hosting disseminated to blebby pyrite.			
								Py	15	BL
54.34	54.36	GO	34	30	NUL	1	Oxidized grey/orange gouge seam hosting disseminated pyrite.			
								Py	1	DI
58.59	58.90	VN	37	80	NUL	1	White carbonate vein with interstitial grey quartz hosting blebby pyrite.			
								Py	3	DI
62.23	62.25	VN	37	20	NUL	1	Banded grey quartz/white carbonate/tan ankerite vein host disseminated pyrite and blackjack sphalerite.			
								Py	1	DI
								Sp	3	DI
74.14	74.20	VN	37	80	NUL	1	Banded grey quartz vein hosting blebby to semi-massive pyrite and chalcopyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	50	MA
								Cp	25	MA
75.18	75.36	BX	34	-	NUL	1	Oxidized, rubbly, smoky quartz breccia hosting disseminated pyrite. Breccia is partially gouge altered.			
								Py	1	DI
76.60	76.67	VN	37	80	NUL	1	Grey quartz vein brecciated with white carbonate stringers hosting bands of disseminated to blebby sulphides (pyrite, sphalerite, galena).			
								Py	10	BL
								Sp	15	BL
								Gn	5	BL
77.34	77.35	VB	37	70	NUL	1	Grey quartz vein brecciated by white carbonates. Hosts disseminated pyrite.			
								Py	1	DI
81.35	81.36	VN	37	30	NUL	1	Discontinuous smoky quartz vein hosting disseminated pyrite.			
82.01	82.11	GO	34	25	NUL	1	Oxidized gouge seam.			
82.52	82.54	VN	37	50	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	5	BL
86.10	86.12	VN	37	80	NUL	1	Grey quartz vein with a tan ankerite veinlet along its lower selvedge. Hosts disseminated to blebby pyrite and disseminated blackjack sphalerite.			
								Sp	1	DI
								Py	25	BL
86.45	86.47	VN	37	80	NUL	1	Grey to smoky quartz vein brecciates by white carbonate hosting trace disseminated pyrite.			
								Py	1	DI
88.11	88.12	VN	37	70	NUL	1	Banded grey quartz/white carbonate vein hosting disseminated to blebby pyrite.			
								Py	40	BL
88.17	88.36	VN	37	60	NUL	1	Grey to smoky quartz vein breccia with a 5cm white carbonate vein along its upper selvedge. Hosts disseminated to blebby pyrite, blackjack sphalerite and disseminated galena. Pyrite appears to have partially replaced some of the carbonate vein.			
								Py	50	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Gn	1	DI
								Sp	3	BL
88.58	88.82	GO	34	-	NUL	1	Strongly gouge altered quartz/carbonate vein hosting disseminated to blebby pyrite and sphalerite			
								Sp	5	BL
								Py	20	BL
92.11	92.12	VN	37	80	NUL	1	Smoky quartz vein breccia. Hosts trace disseminated pyrite.			
								Py	1	DI
94.30	94.31	VB	37	70	NUL	1	Weakly gouge altered smokey quartz vein breccia hosting trace disseminated pyrite.			
								Py	0.1	DI
99.08	99.25	VN	37	70	NUL	1	Phyllic granodiorite minorly brecciated by grey quartz and white carbonate. Hosts disseminated to blebby pyrite.			
								Py	5	BL
100.64	100.74	VN	37	70	NUL	1	Grey quartz vein brecciated by white carbonate hosting disseminated to blebby pyrite, blackjack sphalerite and disseminated galena.			
								Sp	5	BL
								Py	15	BL
								Gn	1	DI
100.80	100.83	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and chalcopyrite.			
109.52	109.53	VN	37	50	NUL	1	Grey quartz vein hosting trace disseminated pyrite.			
								Py	0.1	DI
112.77	112.85	GO	34	60	NUL	1	Oxidized gouge seam.			
112.94	113.31	GO	34	-	NUL	1	Oxidized gouge zone.			
113.66	113.67	VN	37	60	NUL	1	Grey quartz vein with interstitial tan ankerite hosting disseminated to blebby pyrite, sphalerite and galena.			
								Gn	5	BL
								Sp	15	BL
								Py	10	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
115.44	115.56	VN	37	80	NUL	1	Massive sulphide quartz vein with interstitial tan ankerite. Hosts blebby blackjack sphalerite, pyrite, galena and disseminated arsenopyrite.			
								Py	10	BL
								As	2	DI
								Gn	5	BL
								Sp	15	BL
126.30	126.45	VN	37	-	NUL	1	Significantly gouge altered quartz/pyrite vein.			
								Py	25	BL
127.48	127.49	VN	37	80	NUL	1	Quartz/pyrite vein.			
								Py	10	BL
140.89	140.92	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	15	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383681	6889948	1356.26	282.55

ZONE: Exploration

SECTION:

HOLE: KL-16-306

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: - Jul 08, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	43.5	-47.5	Reflex
282.54	43.2	-47.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.35	2.35	OVB
2.35	75.32	72.97	VOL
75.32	106.5	31.18	VOL
106.5	107.31	0.81	VOL
107.31	129.29	21.98	QFP
129.29	130.86	1.57	VOL
130.86	179.2	48.34	VOL
179.2	180.04	0.84	VOL
180.04	180.87	0.83	QFP
180.87	184.12	3.25	QFP
184.12	193.86	9.74	QFP
193.86	218.76	24.9	VOL
218.76	220.6	1.84	VOL
220.6	227.04	6.44	QFP
227.04	227.62	0.58	VOL
227.62	282.55	54.93	VOL

SAMPLES	
Numbers:	K292752 to K292755, S047033 to S047152
Total:	124
Batch:	020, 032, 033, 036, 037
Certificates:	TR16114053, TR16114055, VA16117080, VA16117081, VA16121836

COMMENTS

Box Log

KL-16-306

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2.28	6.15
2	6.15	10.3
3	10.3	14.33
4	14.33	18.43
5	18.43	22.75
6	22.75	26.95
7	26.95	30.85
8	30.85	34.86
9	34.86	39
10	39	43.2
11	43.2	47.2
12	47.2	51.28
13	51.28	55.28
14	55.28	59.47
15	59.47	63.57
16	63.57	67.73
17	67.73	71.96
18	71.96	76.05
19	76.05	80.07
20	80.07	84.2
21	84.2	88.43
22	88.43	92.6
23	92.6	96.77
24	96.77	101.06
25	101.06	105.15
26	105.15	109.33
27	109.33	113.56
28	113.56	117.96
29	117.96	122.19
30	122.19	126.45
31	126.45	130.6
32	130.6	134.8
33	134.8	139.21
34	139.21	143.6
35	143.6	147.95
36	147.95	152.49
37	152.49	156.94
38	156.94	160.83
39	160.83	164.85
40	164.85	168.87
41	168.87	173.17
42	173.17	177.29
43	177.29	181.64
44	181.64	185.81
45	185.81	189.98
46	189.98	193.94
47	193.94	197.7
48	197.7	201.9
49	201.9	206.18
50	206.18	210.33
51	210.33	214.53
52	214.53	218.76
53	218.76	223.05
54	223.05	227.47
55	227.47	231.75
56	231.75	236.15
57	236.15	240.57
58	240.57	244.95
59	244.95	249.12
60	249.12	253.33
61	253.33	257.79
62	257.79	262.25
63	262.25	266.3
64	266.3	270.56
65	270.56	274.75
66	274.75	278.63
67	278.63	282.55

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-306									
	56.63	17	NQ2	VOL	1056.7	701.2	2.93	3.0	Minor vein zone hosting three 1-3cm polymetallic quartz/carbonate/sulphide veins. The hosts disseminated to blebby pyrite, sphalerite and galena. Veins are hosted in argillic altered volcanic.
	60.89	13	NQ2	VOL	776.3	495.3	2.81	2.8	Dark volcanic
	69.15	10.5	NQ2	VOL	559.6	342.7	2.51	2.6	Advanced argillic alteration of Mount Nansen volcanics.
	80.27	13	NQ2	VOL	873.5	588	3.16	3.1	Grey quartz brecciated by cream carbonate. Hosts disseminated to blebby pyrite, honey brown sphalerite and galena. Vein breccia is partially sericite altered.
	124.37	11	NQ2	QFP	646.8	403.8	2.77	2.7	Gray green quartz feldspar porphyry dyke
	152.76	9	NQ2	VOL	676.6	493.8	3.54	3.7	Light grey to milky white quartz vein with minor interstitial white carbonate. Hosts bands of blebby pyrite and arsenopyrite and minor blebby blackjack sphalerite. Vein margins and strongly sericite altered.
	188.91	13	NQ2	QFP	670.2	420.6	2.43	2.7	Gray green quartz feldspar porphyry dyke

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.35	23.64	21.29	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK	FR	OXI	2I		
23.64	26.18	2.54	VOL	FG	Pervasively oxidized advanced argillic(?) alteration (bleached?) envelope surrounding a gouge altered smoky quartz breccia.							
						MD	OR					
						LT	WH	EN	ARG	4I		
						LT	GY		OXI	3I		
26.18	30.23	4.05	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK	FR	OXI	2I		
30.23	32.41	2.18	VOL	FG	Pervasively oxidized light grey advanced argillic alteration envelope surrounding multiple quartz/carbonate veins of varying orientations.							
						MD	OR					
						LT	GY	EN	ARG	4I		
32.41	48.16	15.75	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
48.16	48.77	0.61	VOL	FG	Light grey advanced argillic(?) (bleached) alteration envelope surrounding multiple minor quartz/carbonate/sulphide veins of varying orientations. Weak oxidation along fracture surfaces.							
						LT	GY	EN	ARG	3I		
						LT	OR					
48.77	51.85	3.08	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
51.85	52.98	1.13	VOL	FG	Light grey/green moderate sericite alteration envelope hosting disseminated to blebby pyrite. Envelope has rubbly patches.							
						LT	GN	RB				
						LT	GY	EN	SER	3I	Py	2
52.98	56.54	3.56	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
56.54	57.48	0.94	VOL	FG	Light grey/green sericite(??) alteration envelope around three 1-3cm polymetallic quartz/carbonate/sulphide veins. Envelope also host multiple minor quartz/carbonate veins. Weak to moderate oxidation along fracture surfaces.							
						LT	GY	EN	SER	3I		
						LT	GN		OXI	3I		
									OXI	2I		
57.48	69.00	11.52	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
69.00	70.91	1.91	VOL	FG	Light grey to light green advanced argillic(?) alteration envelope surrounding a few minor quartz/carbonate/sulphide veins and veinlets.							
						LT	GY	EN	ARG	3I		
70.91	75.32	4.41	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
75.32	80.03	4.71	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
80.03	80.68	0.65	VOL	FG	Appears to be a silicified sericite (grey) envelope surrounding a polymetallic quartz/carbonate/sulphide vein breccia. Sericite alteration transitions to advanced argillic (light grey) alteration distally from veining.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	EN				
80.68	85.53	4.85	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
85.53	86.12	0.59	VOL	FG	Oxidized, partially gouge altered and very rubbly quartz/carbonate breccia hosting pyrite in a minor sericite/argillic alteration envelope.							
						MD	GY	EN	SER	3I		
						MD	OR		OXI	3I		
						LT	GY	RB	ARG	3I	Py	1
86.12	91.13	5.01	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
91.13	91.55	0.42	VOL	FG	Oxidized light grey argillic alteration envelope around a banded quartz/carbonate vein.							
						MD	OR		ARG	3I		
						LT	GY	EN	OXI	3I		
91.55	93.77	2.22	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
93.77	94.50	0.73	VOL	FG	Oxidized light grey argillic alteration envelope around two 1-2cm irregularly banded quartz/carbonate veins							
						MD	OR	EN	ARG	3I		
						LT	GY		OXI	3I		
94.50	102.70	8.20	VOL	FG	Black fine grained Mount Nansen volcanics. Moderate oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
102.70	104.81	2.11	VOL	FG	Oxidized, gouge altered and rubbly zone of patchy advanced argillic alteration. Hosts large grey quartz/white carbonate vein at the end of the interval.							
						MD	OR	PA	ARG	3I		
						MD	GY					
						LT	GY	RB	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
104.81	106.50	1.69	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
106.50	107.31	0.81	VOL	FG	Light grey advanced argillic alteration halo at upper dyke contact. Minor amounts of sericite alteration. Hosts a 3cm banded polymetallic quartz/carbonate/sulphide vein.							
						MD	GY		SER	2I		
						LT	GY		ARG	3I		
107.31	129.29	21.98	QFP	FG	Light grey/green to medium grey/green quartz feldspar porphyry dyke. Color darkens gradually with depth. Trace to weak oxidation along fractures.							
						MD	GY					
						MD	GN					
						LT	GY	PO	OXI	2I		
						LT	GN					
129.29	130.86	1.57	VOL	FG	Silicified sericite and argillic alteration halo at the lower contact of the quartz feldspar porphyry dyke.							
						MD	GY					
						LT	GY		SER	3I		
						LT	GN		ARG	3I		
130.86	145.77	14.91	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Minor white argillic alteration halos around quartz/carbonate +/- sulphide veins.							
						DK	BK					
145.77	148.50	2.73	VOL	FG	Advanced argillic alteration halo with minor sericite alteration around a quartz/carbonate vein zone containing minor sulphide mineralization.							
						LT	GY	EN	ARG	3I		
						LT	GN		SER	2I		
148.50	152.57	4.07	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Minor white argillic alteration halos around quartz/carbonate +/- sulphide veins.							
						DK	BK					
152.57	153.99	1.42	VOL	FG	Advanced argillic alteration halo with minor sericite alteration around a significant quartz/carbonate/sulphide vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	EN	ARG	3I		
						LT	GN		SER	3I		
153.99	179.20	25.21	VOL	FG	Advanced argillic alteration halo with minor sericite alteration around a quartz/carbonate vein zone containing minor sulphide mineralization.							
						DK	BK					
179.20	180.04	0.84	VOL	FG	Light green argillic/phyllic(?) alteration halo at upper dyke contact.							
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		
180.04	180.87	0.83	QFP	FG	Light olive green quartz feldspar porphyry dyke.							
						LT	OL	PO				
						LT	GN					
180.87	184.12	3.25	QFP	FG	Faulted significantly grey gouge altered olive/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	OL					
184.12	193.86	9.74	QFP	FG	Medium green quartz feldspar porphyry dyke with a high abundance of clay altered feldspar phenocrysts.							
						MD	GN	PO				
						LT	GN					
193.86	205.46	11.60	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Moderate white argillic alteration halos around quartz/carbonate +/- sulphide veins. *193.94-197.70m is very rubbly due to core box being dropped*							
						DK	GY					
						DK	BK					
205.46	214.40	8.94	VOL	FG	Primarily advanced argillic altered granodiorite hosting an abundance of quartz/carbonate veins a few of which contain minor amounts of disseminated pyrite. There are a few minor patches of unaltered volcanics separating alteration halos.							
								PA	ARG	3I		
								EN	ARG	4I		
214.40	218.76	4.36	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Minor white argillic alteration halos around quartz/carbonate +/- sulphide veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	BK					
218.76	220.60	1.84	VOL	FG	Argillic/sericite upper alteration halo at dyke contacts.							
						LT	GY		ARG	3I		
						LT	GN		SER	2I		
220.60	227.04	6.44	QFP	FG	Light green quartz feldspar porphyry dyke.							
						LT	GN	PO				
227.04	227.62	0.58	VOL	FG	Argillic/sericite upper alteration halo at dyke contacts.							
						LT	GY		ARG	3I		
						LT	GN		SER	2I		
227.62	269.07	41.45	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Multiple white argillic alteration halos around quartz/carbonate/sulphide veins.							
						DK	BK					
269.07	269.88	0.81	VOL	FG	Argillic/sericite halo around a poly metallic quartz/carbonate/sulphide vein.							
						MD	GY		SER	2I		
						LT	GY	EN	ARG	3I		
269.88	282.55	12.67	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Multiple minor white argillic alteration halos around quartz/carbonate/sulphide veins.							
						DK	BK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.35	75.32	72.97	VOL	FG	Black fine grained volcanic (Mount Nansen). Weak to moderate oxidization along fracture surfaces. Multiple minor quartz/carbonate/sulphide veins throughout the interval have light grey to light green advanced argillic (bleached?) alteration envelopes surrounding them. Envelopes proximal to the surface are pervasively oxidized.							
						MD	OR		OXI	3I		
						DK	BK	FR	OXI	2I		
75.32	106.50	31.18	VOL	FG	Black fine grained Mount Nansen volcanics. Occasional weak to trace oxidation along fracture surfaces. ~1 white carbonate vein per 3 meters. Minor white argillic alteration halos around quartz/carbonate +/- sulphide veins.							
						MD	OR		OXI	3I		
						DK	BK		OXI	2I		
106.50	107.31	0.81	VOL	FG	Light grey advanced argillic alteration halo at upper dyke contact. Minor amounts of sericite alteration. Hosts a 3cm banded polymetallic quartz/carbonate/sulphide vein.							
						LT	GY		ARG	3I		
						MD	GY		SER	2I		
107.31	129.29	21.98	QFP	FG	Light grey/green to medium grey/green quartz feldspar porphyry dyke. Color darkens gradually with depth. Trace to weak oxidation along fractures.							
						LT	GY	PO	OXI	2I		
						LT	GN					
						MD	GY					
						MD	GN					
129.29	130.86	1.57	VOL	FG	Silicified sericite and argillic alteration halo at the lower contact of the quartz feldspar porphyry dyke.							
						LT	GY		SER	3I		
						LT	GN		ARG	3I		
						MD	GY					
130.86	179.20	48.34	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Minor white argillic alteration halos around quartz/carbonate +/- sulphide veins.							
						DK	BK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
179.20	180.04	0.84	VOL	FG	Light green argillic/phyllic(?) alteration halo at upper dyke contact.							
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		
180.04	180.87	0.83	QFP	FG	Light olive green quartz feldspar porphyry dyke.							
						LT	OL	PO				
						LT	GN					
180.87	184.12	3.25	QFP	FG	Faulted significantly grey gouge altered olive/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	OL					
184.12	193.86	9.74	QFP	FG	Medium green quartz feldspar porphyry dyke with a high abundance of clay altered feldspar phenocrysts.							
						MD	GN	PO				
						LT	GN					
193.86	218.76	24.90	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Moderate white argillic alteration halos around quartz/carbonate +/- sulphide veins. *193.94-197.70m is very rubbly due to core box being dropped*							
						DK	BK					
						DK	GY					
218.76	220.60	1.84	VOL	FG	Argillic/sericite upper alteration halo at dyke contacts.							
						LT	GY		ARG	3I		
						LT	GN		SER	2I		
220.60	227.04	6.44	QFP	FG	Light green quartz feldspar porphyry dyke.							
						LT	GN	PO				
227.04	227.62	0.58	VOL	FG	Argillic/sericite upper alteration halo at dyke contacts.							
						LT	GY		ARG	3I		
						LT	GN		SER	2I		
227.62	282.55	54.93	VOL	FG	Black fine grained Mount Nansen volcanics. ~1 white carbonate vein per 3 meters. Multiple white argillic alteration halos around quartz/carbonate/sulphide veins.							
						DK	BK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.28	2.28	0	0	0.00	0	--	--	--	Cased
2.28	5.18	2.90	2.14	74	0.81	28	--	2H	3W	
5.18	8.23	3.05	2.72	89	1.00	33	--	3H	1W	
8.23	11.28	3.05	2.99	98	1.28	42	--	3H	1W	
11.28	14.33	3.05	2.84	93	1.29	42	--	4H	1W	
14.33	17.37	3.04	2.84	93	1.01	33	--	3H	2W	
17.37	20.42	3.05	2.95	97	2.04	67	--	3H	2W	edit
20.42	23.47	3.05	2.98	98	1.75	57	--	3H	2W	
23.47	26.52	3.05	2.7	89	0.78	26	--	1H	2W	to fractured for accurate joint sets
26.52	29.57	3.05	3.05	100	1.29	42	--	2H	2W	
29.57	32.61	3.04	2.95	97	1.30	43	--	1H	2W	
32.61	35.66	3.05	3.03	99	1.26	41	--	3H	2W	
35.66	38.71	3.05	3	98	2.35	77	--	3H	2W	
38.71	41.76	3.05	2.67	88	1.35	44	--	3H	2W	
41.76	44.81	3.05	2.96	97	1.56	51	--	3H	2W	
44.81	47.85	3.04	2.95	97	1.39	46	--	2H	2W	
47.85	50.90	3.05	2.77	91	0.59	19	--	2H	2W	to fractured to count joint sets
50.90	53.95	3.05	2.82	92	0.87	29	--	2H	2W	
53.95	57.00	3.05	3.05	100	1.36	45	--	3H	2W	
57.00	60.05	3.05	2.92	96	2.08	68	--	3H	1W	
60.05	63.09	3.04	2.95	97	1.88	62	--	3H	2W	
63.09	66.14	3.05	3.01	99	1.42	47	--	3H	2W	to fractured to joint set
66.14	69.19	3.05	2.95	97	1.27	42	--	2H	2W	
69.19	72.24	3.05	3	98	2.22	73	--	3H	1W	
72.24	75.29	3.05	3.05	100	2.19	72	--	3H	1W	
75.29	78.33	3.04	2.9	95	1.81	60	--	3H	1W	
78.33	81.38	3.05	3.05	100	2.34	77	--	3H	1W	
81.38	84.43	3.05	2.83	93	2.19	72	--	3H	1W	
84.43	87.48	3.05	2.2	72	1.04	34	--	1H	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.44	80	0.72	24	--	3H	1W	
90.53	93.57	3.04	2.97	98	1.36	45	--	3H	1W	
93.57	96.62	3.05	2.82	92	1.16	38	--	2H	1W	
96.62	99.67	3.05	2.97	97	2.19	72	--	3H	1W	
99.67	102.72	3.05	2.77	91	1.82	60	--	2H	1W	
102.72	105.77	3.05	2.1	69	0.65	21	--	1H	3W	
105.77	108.81	3.04	2.77	91	1.44	47	--	3H	2W	
108.81	111.86	3.05	2.62	86	1.70	56	--	3H	1W	
111.86	114.91	3.05	3	98	1.71	56	--	3H	1W	
114.91	117.96	3.05	2.65	87	1.39	46	--	3H	1W	
117.96	121.01	3.05	2.77	91	1.90	62	--	3H	1W	
121.01	124.05	3.04	2.05	67	0.76	25	--	2H	2W	
124.05	127.10	3.05	2.91	95	1.22	40	--	3H	1W	
127.10	130.15	3.05	2.6	85	0.74	24	--	3H	1W	
130.15	133.20	3.05	2.99	98	1.66	54	--	4H	1W	
133.20	136.25	3.05	2.6	85	1.21	40	--	3H	1W	Bottom of interval is highly fractured with substantial carbonate infill
136.25	139.29	3.04	2.94	97	1.91	63	--	3H	1W	
139.29	142.34	3.05	2.79	91	1.50	49	--	3H	1W	
142.34	145.39	3.05	2.92	96	2.08	68	--	4H	1W	
145.39	148.44	3.05	3.05	100	1.81	59	--	2H	1W	
148.44	151.49	3.05	2.94	96	2.46	81	--	4H	1W	
151.49	154.53	3.04	3.02	99	1.91	63	--	3H	1W	
154.53	157.58	3.05	2.63	86	1.46	48	--	4H	1W	
157.58	160.63	3.05	3.05	100	2.12	70	--	4H	1W	
160.63	163.68	3.05	2.71	89	1.35	44	--	4H	1W	
163.68	166.73	3.05	2.95	97	2.17	71	--	4H	1W	
166.73	169.77	3.04	2.99	98	2.11	69	--	4H	1W	
169.77	172.82	3.05	2.93	96	2.29	75	--	4H	1W	
172.82	175.87	3.05	2.91	95	2.13	70	--	4H	1W	
175.87	178.92	3.05	2.95	97	2.51	82	--	4H	1W	
178.92	181.97	3.05	2.77	91	1.02	33	--	1H	1W	Gouge at end of interval

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.93	96	1.77	58	--	2H	1W	
185.01	188.06	3.05	2.93	96	1.48	49	--	2H	1W	
188.06	191.11	3.05	2.9	95	1.49	49	--	2H	1W	
191.11	194.16	3.05	2.45	80	0.74	24	--	3H	1W	
194.16	197.21	3.05	2.35	77	0.51	17	--	3H	1W	Box dropped by drillers
197.21	200.25	3.04	2.58	85	1.16	38	--	2H	1W	
200.25	203.30	3.05	2.97	97	1.20	39	--	4H	1W	
203.30	206.35	3.05	2.87	94	1.43	47	--	3H	1W	
206.35	209.40	3.05	3	98	2.38	78	--	3H	1W	
209.40	212.45	3.05	2.86	94	1.80	59	--	3H	1W	
212.45	215.49	3.04	3	99	2.26	74	--	3H	1W	
215.49	218.54	3.05	2.81	92	2.40	79	--	5H	1W	
218.54	221.59	3.05	3.05	100	2.73	90	--	3H	1W	
221.59	224.64	3.05	2.86	94	2.22	73	--	3H	1W	
224.64	227.69	3.05	3	98	2.50	82	--	3H	1W	
227.69	230.73	3.04	3.04	100	2.43	80	--	4H	1W	
230.73	233.78	3.05	2.95	97	2.61	86	--	4H	1W	
233.78	236.83	3.05	2.98	98	2.11	69	--	4H	1W	
236.83	239.88	3.05	2.93	96	2.26	74	--	4H	1W	
239.88	242.93	3.05	2.96	97	2.30	75	--	4H	1W	
242.93	245.97	3.04	2.72	89	1.42	47	--	4H	1W	
245.97	249.02	3.05	2.84	93	1.64	54	--	4H	1W	
249.02	252.07	3.05	2.89	95	1.46	48	--	4H	1W	
252.07	255.12	3.05	3	98	2.25	74	--	4H	1W	
255.12	258.17	3.05	2.7	89	1.70	56	--	4H	1W	
258.17	261.21	3.04	2.81	92	2.12	70	--	4H	1W	
261.21	264.26	3.05	2.66	87	1.64	54	--	4H	1W	
264.26	267.31	3.05	3.02	99	1.43	47	--	1H	1W	Contains clay/rubble
267.31	270.36	3.05	2.8	92	1.55	51	--	3H	1W	
270.36	273.41	3.05	2.63	86	1.25	41	--	4H	1W	
273.41	276.45	3.04	3.04	100	1.97	65	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.04	100	2.44	80	--	4H	1W	
279.50	282.55	3.05	2.91	95	1.82	60	--	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	cased
2	0	OVB	cased
3	54.5	VOL	
4	44.57	VOL	
5	44.28	VOL	
6	37.44	VOL	
7	37.45	VOL	
8	44.79	VOL	
9	47.51	VOL	
10	45.56	VOL	
11	39.6	VOL	
12	46.03	VOL	
13	54.08	VOL	
14	39.96	VOL	
15	47.66	VOL	
16	50.92	VOL	
17	44.85	VOL	
18	42.03	VOL	
19	0.717	VOL	
20	41.86	VOL	
21	65.27	VOL	
22	58.95	VOL	
23	1.002	VOL	
24	0.151	VOL	
25	38.06	VOL	
26	43.03	VOL	
27	48.83	VOL	
28	0.34	VOL	
29	0.593	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	34.84	VOL	
31	0.195	VOL	
32	0.456	VOL	
33	62.77	VOL	
34	60.73	VOL	
35	51.66	VOL	
36	36.99	VOL	
37	63.5	VOL	
38	59.02	VOL	
39	49.18	VOL	
40	22.16	VOL	
41	37.06	VOL	
42	0.351	VOL	
43	0.579	VOL	
44	0.585	VOL	
45	0.559	VOL	
46	0.705	VOL	
47	0.496	VOL	
48	0.169	VOL	
49	0.487	VOL	
50	1.411	VOL	
51	0.344	VOL	
52	0.511	VOL	
53	2.334	VOL	
54	60.51	VOL	
55	53.19	VOL	
56	50.1	VOL	
57	0.483	VOL	
58	32.16	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	38.36	VOL	
60	44.92	VOL	
61	46.42	VOL	
62	18.49	VOL	
63	39.09	VOL	
64	43.41	VOL	
65	42.8	VOL	
66	44.98	VOL	
67	26.19	VOL	
68	37.25	VOL	
69	1.237	VOL	
70	1.528	VOL	
71	13.23	VOL	
72	17.87	VOL	
73	40.81	VOL	
74	40.21	VOL	
75	42.43	VOL	
76	41.6	VOL	
77	47.6	VOL	
78	46.9	VOL	
79	47.1	VOL	
80	44.6	VOL	
81	45.9	VOL	
82	49.6	VOL	
83	52.5	VOL	
84	37.9	VOL	
85	47.2	VOL	
86	0.23	VOL	
87	38.2	VOL	
88	34.4	VOL	
89	44	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	38	VOL	
91	38.3	VOL	
92	44.1	VOL	
93	39.7	VOL	
94	0.319	VOL	
95	48.4	VOL	
96	40.8	VOL	
97	48.2	VOL	
98	38.4	VOL	
99	48.1	VOL	
100	39.8	VOL	
101	16.2	VOL	
102	18.1	VOL	
103	7.24	VOL	
104	8.27	VOL	
105	11.2	VOL	
106	21.3	VOL	
107	0.517	VOL	
108	0.244	QFP	
109	0.222	QFP	
110	0.213	QFP	
111	0.172	QFP	
112	0.232	QFP	
113	0.165	QFP	
114	0.137	QFP	
115	0.125	QFP	
116	0.171	QFP	
117	0.21	QFP	
118	0.249	QFP	
119	1.01	QFP	
120	1.58	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	1.66	QFP	
122	1.82	QFP	
123	2.26	QFP	
124	0.233	QFP	
125	0.216	QFP	
126	0.206	QFP	
127	0.208	QFP	
128	0.215	QFP	
129	0.215	QFP	
130	32.7	VOL	
131	8.61	VOL	
132	39.3	VOL	
133	9.84	VOL	
134	44.7	VOL	
135	1.24	VOL	
136	42.7	VOL	
137	38.4	VOL	
138	44.6	VOL	
139	45.3	VOL	
140	46.5	VOL	
141	44.5	VOL	
142	44.7	VOL	
143	40.8	VOL	
144	0.416	VOL	
145	14.55	VOL	
146	0.611	VOL	
147	0.459	VOL	
148	0.736	VOL	
149	39.5	VOL	
150	45.54	VOL	
151	8.373	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
152	30.06	VOL	
153	0.458	VOL	
154	0.813	VOL	
155	7.237	VOL	
156	43.41	VOL	
157	41.86	VOL	
158	43.44	VOL	
159	27.5	VOL	
160	41.56	VOL	
161	39.15	VOL	
162	40.53	VOL	
163	41.86	VOL	
164	45.79	VOL	
165	38.15	VOL	
166	24.8	VOL	
167	46.22	VOL	
168	41.97	VOL	
169	42.38	VOL	
170	36.96	VOL	
171	46.36	VOL	
172	42.65	VOL	
173	38.73	VOL	
174	48.27	VOL	
175	1.149	VOL	
176	41.14	VOL	
177	44.38	VOL	
178	34.98	VOL	
179	0.719	VOL	
180	0.6	VOL	
181	0.294	QFP	
182	0.184	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	0.167	QFP	
184	0.194	QFP	
185	0.186	QFP	
186	0.195	QFP	
187	0.218	QFP	
188	0.155	QFP	
189	0.195	QFP	
190	0.153	QFP	
191	0.147	QFP	
192	0.134	QFP	
193	0.138	QFP	
194	0.104	VOL	
195	42.5	VOL	
196	31.5	VOL	
197	45.2	VOL	
198	0.373	VOL	
199	30.3	VOL	
200	48.4	VOL	
201	51.3	VOL	
202	60.1	VOL	
203	53.5	VOL	
204	36.1	VOL	
205	53.6	VOL	
206	12.8	VOL	
207	0.38	VOL	
208	0.622	VOL	
209	1.01	VOL	
210	0.934	VOL	
211	0.747	VOL	
212	28.7	VOL	
213	1.01	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
214	0.519	VOL	
215	53.8	VOL	
216	59.6	VOL	
217	46.9	VOL	
218	56.8	VOL	
219	0.771	VOL	
220	0.727	VOL	
221	0.172	QFP	
222	0.182	QFP	
223	0.307	QFP	
224	0.195	QFP	
225	0.191	QFP	
226	0.196	QFP	
227	0.198	QFP	
228	67.3	VOL	
229	66.7	VOL	
230	59.7	VOL	
231	61.7	VOL	
232	50.8	VOL	
233	53.15	VOL	
234	49.41	VOL	
235	36.96	VOL	
236	43.04	VOL	
237	46.27	VOL	
238	29.45	VOL	
239	36.53	VOL	
240	36.29	VOL	
241	30.47	VOL	
242	60.94	VOL	
243	42.73	VOL	
244	40.15	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
245	56.81	VOL	
246	48.11	VOL	
247	47.6	VOL	
248	47.91	VOL	
249	49.15	VOL	
250	42.05	VOL	
251	41.92	VOL	
252	40.18	VOL	
253	3.961	VOL	
254	60.83	VOL	
255	49.34	VOL	
256	41.56	VOL	
257	37.53	VOL	
258	3.497	VOL	
259	41.97	VOL	
260	36.3	VOL	
261	33.13	VOL	
262	0.194	VOL	
263	33.78	VOL	
264	35.61	VOL	
265	32.4	VOL	
266	42.02	VOL	
267	32.12	VOL	
268	37.26	VOL	
269	14.01	VOL	
270	36.86	VOL	
271	39.26	VOL	
272	536.91	VOL	
273	53.55	VOL	
274	0.54	VOL	
275	58.9	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
276	43.82	VOL	
277	54.41	VOL	
278	24.4	VOL	
279	46.16	VOL	
280	40.41	VOL	
281	50.21	VOL	
282	53.61	VOL	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047040	☐	16-032		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047049	☐	16-032		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047056	☐	16-032			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047069	☐	16-033			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047072	☐	16-033		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047082	☐	16-033			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047088	☐	16-033		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047113	☐	16-036			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047126	☐	16-036		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047130	☐	16-036		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047133	☐	16-036			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047142	☐	16-037		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047151	☐	16-037			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047036	☐	16-032			☑	☐	☐
22.75	23.31	0.56	VOL	0.56	100	S047033	☐	16-032			☐	☐	☐
23.31	23.81	0.50	VOL	0.50	100	S047034	☐	16-032			☐	☐	☐
23.81	24.32	0.51	VOL	0.51	100	S047035	☐	16-032			☐	☐	☐
24.32	25.26	0.94	VOL	0.62	66	S047037	☐	16-032			☐	☐	☐
25.26	25.84	0.58	VOL	0.56	97	S047038	☐	16-032			☐	☐	☐
25.84	26.34	0.50	VOL	0.50	100	S047039	☐	16-032			☐	☐	☐
47.68	48.18	0.50	VOL	0.50	100	S047041	☐	16-032			☐	☐	☐
48.18	48.70	0.52	VOL	0.52	100	S047042	☐	16-032			☐	☐	☐
48.70	49.30	0.60	VOL	0.50	83	S047043	☐	16-032			☐	☐	☐
49.30	50.10	0.80	VOL	0.77	96	S047044	☐	16-032			☐	☐	☐
49.30	50.10	0.80	VOL	0.77	96	S047045	☐	16-032			☐	☐	☑
50.10	51.14	1.04	VOL	1.04	100	S047046	☐	16-032			☐	☐	☐
51.14	51.83	0.69	VOL	0.69	100	S047047	☐	16-032			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
51.83	53.03	1.20	VOL	1.10	92	S047048	☐	16-032			☐	☐	☐
53.03	53.95	0.92	VOL	0.91	99	S047050	☐	16-032			☐	☐	☐
53.95	55.08	1.13	VOL	1.13	100	S047051	☐	16-032			☐	☐	☐
55.08	55.58	0.50	VOL	0.50	100	S047052	☐	16-032			☐	☐	☐
55.58	56.08	0.50	VOL	0.50	100	S047053	☐	16-032			☐	☐	☐
56.08	56.58	0.50	VOL	0.50	100	S047054	☐	16-032			☐	☐	☐
56.58	57.10	0.52	VOL	0.52	100	S047055	☐	16-032			☐	☐	☐
57.10	57.61	0.51	VOL	0.51	100	S047057	☐	16-032			☐	☐	☐
57.61	58.11	0.50	VOL	0.50	100	S047058	☐	16-032			☐	☐	☐
57.61	58.11	0.50	VOL	0.50	100	S047059	☐	16-032			☐	☑	☐
58.11	58.75	0.64	VOL	0.64	100	S047060	☐	16-032			☐	☐	☐
68.09	68.61	0.52	VOL	0.51	98	S047061	☐	16-032			☐	☐	☐
68.61	69.19	0.58	VOL	0.58	100	S047062	☐	16-032			☐	☐	☐
69.19	70.00	0.81	VOL	0.81	100	S047063	☐	16-032			☐	☐	☐
70.00	70.86	0.86	VOL	0.86	100	S047064	☐	16-032			☐	☐	☐
70.86	71.36	0.50	VOL	0.50	100	S047065	☐	16-033			☐	☐	☐
79.09	79.59	0.50	VOL	0.50	100	S047066	☐	16-033			☐	☐	☐
79.59	80.09	0.50	VOL	0.50	100	S047067	☐	16-033			☐	☐	☐
80.09	80.60	0.51	VOL	0.51	100	S047068	☐	16-033			☐	☐	☐
80.60	81.38	0.78	VOL	0.78	100	S047070	☐	16-033			☐	☐	☐
81.38	81.88	0.50	VOL	0.50	100	S047071	☐	16-033			☐	☐	☐
81.88	84.43	2.55	VOL	2.41	95	S047073	☐	16-033			☐	☐	☐
84.43	85.53	1.10	VOL	1.10	100	S047074	☐	16-033			☐	☐	☐
85.53	86.03	0.50	VOL	0.50	100	S047075	☐	16-033			☐	☐	☐
86.03	86.97	0.94	VOL	0.61	65	S047076	☐	16-033			☐	☐	☐
86.97	87.48	0.51	VOL	0.51	100	S047077	☐	16-033			☐	☐	☐
87.48	88.12	0.64	VOL	0.62	97	S047078	☐	16-033			☐	☐	☐
101.60	102.11	0.51	VOL	0.51	100	S047079	☐	16-033			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
102.11	102.66	0.55	VOL	0.55	100	S047080	☐	16-033			☐	☐	☐
102.66	103.56	0.90	VOL	0.90	100	S047081	☐	16-033			☐	☐	☐
103.56	104.85	1.29	VOL	0.89	69	S047083	☐	16-033			☐	☐	☐
104.85	105.39	0.54	VOL	0.51	94	S047084	☐	16-033			☐	☐	☐
105.39	106.80	1.41	VOL	1.41	100	S047085	☐	16-033			☐	☐	☐
106.80	107.30	0.50	VOL	0.50	100	S047086	☐	16-033			☐	☐	☐
107.30	107.80	0.50	VOL	0.50	100	S047087	☐	16-033			☐	☐	☐
128.81	129.31	0.50	QFP	0.50	100	S047089	☐	16-033			☐	☐	☐
129.31	129.81	0.50	VOL	0.50	100	S047090	☐	16-033			☐	☐	☐
129.81	130.31	0.50	VOL	0.50	100	S047091	☐	16-033			☐	☐	☐
130.31	130.88	0.57	VOL	0.56	98	S047092	☐	16-033			☐	☐	☐
130.31	130.88	0.57	VOL	0.56	98	S047093	☐	16-033			☐	☐	☑
130.88	131.48	0.60	VOL	0.60	100	S047094	☐	16-033			☐	☐	☐
144.70	145.30	0.60	VOL	0.50	83	S047095	☐	16-033			☐	☐	☐
145.30	145.86	0.56	VOL	0.56	100	S047096	☐	16-033			☐	☐	☐
145.30	145.86	0.56	VOL	0.56	100	S047097	☐	16-033			☐	☐	☑
145.86	146.36	0.50	VOL	0.50	100	S047098	☐	16-033			☐	☐	☐
146.36	146.88	0.52	VOL	0.52	100	S047099	☐	16-033			☐	☐	☐
146.88	147.50	0.62	VOL	0.62	100	S047100	☐	16-033			☐	☐	☐
147.50	148.44	0.94	VOL	0.94	100	S047101	☐	16-036			☐	☐	☐
148.44	149.81	1.37	VOL	1.36	99	S047102	☐	16-036			☐	☐	☐
149.81	151.73	1.92	VOL	1.85	96	S047103	☐	16-036			☐	☐	☐
151.73	152.23	0.50	VOL	0.50	100	S047104	☐	16-036			☐	☐	☐
152.23	152.74	0.51	VOL	0.51	100	S047105	☐	16-036			☐	☐	☐
152.23	152.74	0.51	VOL	0.51	100	S047106	☐	16-036			☐	☑	☐
152.74	153.27	0.53	VOL	0.53	100	K292752	☐	16-020	HG		☐	☐	☐
153.27	153.90	0.63	VOL	0.63	100	S047107	☐	16-036			☐	☐	☐
153.90	154.40	0.50	VOL	0.50	100	S047108	☐	16-036			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
154.40	155.17	0.77	VOL	0.77	100	S047109	☐	16-036			☐	☐	☐
212.10	212.60	0.50	VOL	0.50	100	S047110	☐	16-036			☐	☐	☐
212.60	213.12	0.52	VOL	0.52	100	S047111	☐	16-036			☐	☐	☐
213.12	213.62	0.50	VOL	0.50	100	S047112	☐	16-036			☐	☐	☐
213.62	214.12	0.50	VOL	0.50	100	K292753	☐	16-020	HG		☐	☐	☐
214.12	214.62	0.50	VOL	0.50	100	S047114	☐	16-036			☐	☐	☐
214.62	215.49	0.87	VOL	0.87	100	S047115	☐	16-036			☐	☐	☐
215.49	218.15	2.66	VOL	2.56	96	S047116	☐	16-036			☐	☐	☐
215.49	218.15	2.66	VOL	2.56	96	S047117	☐	16-036			☐	☐	☑
218.15	218.66	0.51	VOL	0.51	100	S047118	☐	16-036			☐	☐	☐
218.66	219.18	0.52	VOL	0.52	100	S047119	☐	16-036			☐	☐	☐
219.18	219.68	0.50	VOL	0.50	100	K292754	☐	16-020	HG		☐	☐	☐
219.68	220.19	0.51	VOL	0.51	100	S047120	☐	16-036			☐	☐	☐
220.19	220.70	0.51	VOL	0.51	100	S047121	☐	16-036			☐	☐	☐
220.70	221.59	0.89	QFP	0.89	100	S047122	☐	16-036			☐	☐	☐
221.59	224.64	3.05	QFP	2.98	98	S047123	☐	16-036			☐	☐	☐
224.64	226.60	1.96	QFP	1.95	99	S047124	☐	16-036			☐	☐	☐
226.60	227.10	0.50	QFP	0.50	100	S047125	☐	16-036			☐	☐	☐
227.10	227.60	0.50	VOL	0.50	100	S047127	☐	16-036			☐	☐	☐
259.30	259.84	0.54	VOL	0.54	100	S047128	☐	16-036			☐	☐	☐
259.84	260.34	0.50	VOL	0.50	100	S047129	☐	16-036			☐	☐	☐
260.34	260.92	0.58	VOL	0.50	86	S047131	☐	16-036			☐	☐	☐
260.92	261.43	0.51	VOL	0.51	100	S047132	☐	16-036			☐	☐	☐
261.43	261.96	0.53	VOL	0.53	100	S047134	☐	16-036			☐	☐	☐
261.96	264.26	2.30	VOL	2.25	98	S047135	☐	16-036			☐	☐	☐
264.26	267.31	3.05	VOL	3.05	100	S047136	☐	16-036			☐	☐	☐
267.31	268.19	0.88	VOL	0.88	100	S047137	☐	16-037			☐	☐	☐
268.19	268.79	0.60	VOL	0.50	83	S047138	☐	16-037			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
268.19	268.79	0.60	VOL	0.50	83	S047139	☐	16-037			☐	☐	☑
268.79	269.38	0.59	VOL	0.56	95	S047140	☐	16-037			☐	☐	☐
269.38	269.88	0.50	VOL	0.50	100	K292755	☐	16-020	HG		☐	☐	☐
269.88	270.56	0.68	VOL	0.58	85	S047141	☐	16-037			☐	☐	☐
270.56	273.34	2.78	VOL	2.78	100	S047143	☐	16-037			☐	☐	☐
273.34	273.87	0.53	VOL	0.53	100	S047144	☐	16-037			☐	☐	☐
273.87	274.39	0.52	VOL	0.52	100	S047145	☐	16-037			☐	☐	☐
274.39	274.95	0.56	VOL	0.56	100	S047146	☐	16-037			☐	☐	☐
274.95	276.45	1.50	VOL	1.50	100	S047147	☐	16-037			☐	☐	☐
274.95	276.45	1.50	VOL	1.50	100	S047148	☐	16-037			☐	☑	☐
276.45	278.07	1.62	VOL	1.61	99	S047149	☐	16-037			☐	☐	☐
278.07	279.21	1.14	VOL	1.14	100	S047150	☐	16-037			☐	☐	☐
279.21	279.78	0.57	VOL	0.56	98	S047152	☐	16-037			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	22.75			☐	☐	☐	☐	
16-037	S047142	0.00	0.00	0.87	520	☐	☐	☐	☑ KL-STD5	
16-037	S047151	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-032	S047036	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-032	S047040	0.00	0.00	0.94	810	☐	☐	☐	☑ KL-STD5	
16-032	S047049	0.00	0.00	0.39	690	☐	☐	☐	☑ KL-STD4	
16-032	S047056	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-036	S047113	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-036	S047126	0.00	0.00	0.94	1090	☐	☐	☐	☑ KL-STD5	
16-036	S047130	0.00	0.00	0.39	560	☐	☐	☐	☑ KL-STD4	
16-036	S047133	0.00	0.00	0.00	100	☐	☐	☑	☐	
16-033	S047069	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-033	S047072	0.00	0.00	0.37	1240	☐	☐	☐	☑ KL-STD4	
16-033	S047082	0.00	0.00	0.00	30	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-033	S047088	0.00	0.00	0.93	1190	☐	☐	☐	☑ KL-STD5	
16-032	S047033	22.75	23.31	0.01	1150	☐	☐	☐	☐	
16-032	S047034	23.31	23.81	0.00	1200	☐	☐	☐	☐	
16-032	S047035	23.81	24.32	0.83	450	☐	☐	☐	☐	
16-032	S047037	24.32	25.26	0.01	1060	☐	☐	☐	☐	
16-032	S047038	25.26	25.84	0.01	1070	☐	☐	☐	☐	
16-032	S047039	25.84	26.34	0.00	1080	☐	☐	☐	☐	
		26.34	47.68			☐	☐	☐	☐	
16-032	S047041	47.68	48.18	0.22	530	☐	☐	☐	☐	
16-032	S047042	48.18	48.70	0.06	620	☐	☐	☐	☐	
16-032	S047043	48.70	49.30	0.20	1320	☐	☐	☐	☐	
16-032	S047044	49.30	50.10	0.02	490	☐	☐	☐	☐	
16-032	S047045	49.30	50.10	0.01	480	☐	☑	☐	☐	
16-032	S047046	50.10	51.14	0.01	560	☐	☐	☐	☐	
16-032	S047047	51.14	51.83	0.00	810	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-032	S047048	51.83	53.03	0.02	1150	☐	☐	☐	☐	
16-032	S047050	53.03	53.95	0.01	790	☐	☐	☐	☐	
16-032	S047051	53.95	55.08	0.00	1010	☐	☐	☐	☐	
16-032	S047052	55.08	55.58	0.00	710	☐	☐	☐	☐	
16-032	S047053	55.58	56.08	0.00	560	☐	☐	☐	☐	
16-032	S047054	56.08	56.58	0.00	510	☐	☐	☐	☐	
16-032	S047055	56.58	57.10	0.79	410	☐	☐	☐	☐	
16-032	S047057	57.10	57.61	0.04	560	☐	☐	☐	☐	
16-032	S047058	57.61	58.11	0.01	1160	☐	☐	☐	☐	
16-032	S047059	57.61	58.11	0.02	1110	☑	☐	☐	☐	
16-032	S047060	58.11	58.75	0.03	820	☐	☐	☐	☐	
		58.75	68.09			☐	☐	☐	☐	
16-032	S047061	68.09	68.61	0.00	1290	☐	☐	☐	☐	
16-032	S047062	68.61	69.19	0.00	1510	☐	☐	☐	☐	
16-032	S047063	69.19	70.00	0.00	1130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-032	S047064	70.00	70.86	0.03	700	☐	☐	☐	☐	
16-033	S047065	70.86	71.36	0.01	1280	☐	☐	☐	☐	
		71.36	79.09			☐	☐	☐	☐	
16-033	S047066	79.09	79.59	0.17	1380	☐	☐	☐	☐	
16-033	S047067	79.59	80.09	0.03	1360	☐	☐	☐	☐	
16-033	S047068	80.09	80.60	0.57	1710	☐	☐	☐	☐	
16-033	S047070	80.60	81.38	0.00	1250	☐	☐	☐	☐	
16-033	S047071	81.38	81.88	0.01	1210	☐	☐	☐	☐	
16-033	S047073	81.88	84.43	0.01	1520	☐	☐	☐	☐	
16-033	S047074	84.43	85.53	0.01	1400	☐	☐	☐	☐	
16-033	S047075	85.53	86.03	0.59	710	☐	☐	☐	☐	
16-033	S047076	86.03	86.97	0.00	1300	☐	☐	☐	☐	
16-033	S047077	86.97	87.48	0.01	1430	☐	☐	☐	☐	
16-033	S047078	87.48	88.12	0.00	1590	☐	☐	☐	☐	
		88.12	######			☐	☐	☐	☐	
16-033	S047079	101.60	102.11	0.01	1670	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-033	S047080	102.11	102.66	0.00	1350	☐	☐	☐	☐	
16-033	S047081	102.66	103.56	0.34	790	☐	☐	☐	☐	
16-033	S047083	103.56	104.85	0.01	1000	☐	☐	☐	☐	
16-033	S047084	104.85	105.39	0.01	1280	☐	☐	☐	☐	
16-033	S047085	105.39	106.80	0.01	1420	☐	☐	☐	☐	
16-033	S047086	106.80	107.30	0.23	1310	☐	☐	☐	☐	
16-033	S047087	107.30	107.80	0.00	3770	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-033	S047089	128.81	129.31	0.00	840	☐	☐	☐	☐	
16-033	S047090	129.31	129.81	0.92	2080	☐	☐	☐	☐	
16-033	S047091	129.81	130.31	0.01	1190	☐	☐	☐	☐	
16-033	S047092	130.31	130.88	0.04	1060	☐	☐	☐	☐	
16-033	S047093	130.31	130.88	0.05	710	☐	☑	☐	☐	
16-033	S047094	130.88	131.48	0.02	1380	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-033	S047095	144.70	145.30	0.00	1390	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-033	S047096	145.30	145.86	0.03	1340	☐	☐	☐	☐	
16-033	S047097	145.30	145.86	0.03	1270	☐	☑	☐	☐	
16-033	S047098	145.86	146.36	0.01	460	☐	☐	☐	☐	
16-033	S047099	146.36	146.88	0.34	710	☐	☐	☐	☐	
16-033	S047100	146.88	147.50	0.08	880	☐	☐	☐	☐	
16-036	S047101	147.50	148.44	0.03	920	☐	☐	☐	☐	
16-036	S047102	148.44	149.81	0.01	1450	☐	☐	☐	☐	
16-036	S047103	149.81	151.73	0.00	1480	☐	☐	☐	☐	
16-036	S047104	151.73	152.23	0.01	1370	☐	☐	☐	☐	
16-036	S047105	152.23	152.74	0.02	1210	☐	☐	☐	☐	
16-036	S047106	152.23	152.74	0.02	1280	☑	☐	☐	☐	
16-020	K292752	152.74	153.27	3.58	160	☐	☐	☐	☐	
16-036	S047107	153.27	153.90	0.02	600	☐	☐	☐	☐	
16-036	S047108	153.90	154.40	0.01	1160	☐	☐	☐	☐	
16-036	S047109	154.40	155.17	0.01	1620	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######			☐	☐	☐	☐	
16-036	S047110	212.10	212.60	0.01	1680	☐	☐	☐	☐	
16-036	S047111	212.60	213.12	0.36	1570	☐	☐	☐	☐	
16-036	S047112	213.12	213.62	0.01	1100	☐	☐	☐	☐	
16-020	K292753	213.62	214.12	0.56	1960	☐	☐	☐	☐	
16-036	S047114	214.12	214.62	0.02	1400	☐	☐	☐	☐	
16-036	S047115	214.62	215.49	0.01	1620	☐	☐	☐	☐	
16-036	S047116	215.49	218.15	0.00	1530	☐	☐	☐	☐	
16-036	S047117	215.49	218.15	0.00	1490	☐	☑	☐	☐	
16-036	S047118	218.15	218.66	0.01	1400	☐	☐	☐	☐	
16-036	S047119	218.66	219.18	0.00	1080	☐	☐	☐	☐	
16-020	K292754	219.18	219.68	0.55	1310	☐	☐	☐	☐	
16-036	S047120	219.68	220.19	0.01	700	☐	☐	☐	☐	
16-036	S047121	220.19	220.70	0.01	600	☐	☐	☐	☐	
16-036	S047122	220.70	221.59	0.00	1060	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-036	S047123	221.59	224.64	0.01	610	☐	☐	☐	☐	
16-036	S047124	224.64	226.60	0.01	580	☐	☐	☐	☐	
16-036	S047125	226.60	227.10	0.06	1280	☐	☐	☐	☐	
16-036	S047127	227.10	227.60	0.01	1560	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-036	S047128	259.30	259.84	0.01	1160	☐	☐	☐	☐	
16-036	S047129	259.84	260.34	0.01	1070	☐	☐	☐	☐	
16-036	S047131	260.34	260.92	0.00	1280	☐	☐	☐	☐	
16-036	S047132	260.92	261.43	0.05	980	☐	☐	☐	☐	
16-036	S047134	261.43	261.96	0.00	1200	☐	☐	☐	☐	
16-036	S047135	261.96	264.26	0.01	1090	☐	☐	☐	☐	
16-036	S047136	264.26	267.31	0.00	1230	☐	☐	☐	☐	
16-037	S047137	267.31	268.19	0.00	1200	☐	☐	☐	☐	
16-037	S047138	268.19	268.79	0.01	1250	☐	☐	☐	☐	
16-037	S047139	268.19	268.79	0.01	1240	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-037	S047140	268.79	269.38	0.01	1020	☐	☐	☐	☐	
16-020	K292755	269.38	269.88	2.14	290	☐	☐	☐	☐	
16-037	S047141	269.88	270.56	0.00	1310	☐	☐	☐	☐	
16-037	S047143	270.56	273.34	0.00	1310	☐	☐	☐	☐	
16-037	S047144	273.34	273.87	0.00	1280	☐	☐	☐	☐	
16-037	S047145	273.87	274.39	0.45	240	☐	☐	☐	☐	
16-037	S047146	274.39	274.95	0.00	1280	☐	☐	☐	☐	
16-037	S047147	274.95	276.45	0.00	1220	☐	☐	☐	☐	
16-037	S047148	274.95	276.45	0.00	1220	☑	☐	☐	☐	
16-037	S047149	276.45	278.07	0.00	1220	☐	☐	☐	☐	
16-037	S047150	278.07	279.21	0.05	1060	☐	☐	☐	☐	
16-037	S047152	279.21	279.78	0.00	1220	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
24.07	24.15	BX	34	70	NUL	1	Strongly oxidized smoky quartz/white carbonate breccia hosting disseminated pyrite.			
								Py	1	DI
24.15	24.28	GO	34	-	NUL	1	Strongly oxidized gouge zone.			
30.79	30.90	VN	37	60	NUL	2	Two 3-5cm oxidized cream carbonate veins.			
31.21	32.15	VN	37	10	NUL	1	Undulating long low angle banded quartz/carbonate vein. Exhibits minor colloform texture.			
31.25	32.40	VT	37	40	NUL	4	Four 0.1-0.2cm wide pyrite veinlets.			
								Py	100	DI
48.59	48.63	VN	37	70	NUL	1	Smoky quartz vein breccia hosting disseminated pyrite and arsenopyrite.			
								Py	1	DI
								As	0.1	DI
50.93	50.94	VN	37	30	NUL	1	Banded grey quartz/white carbonate vein.			
56.70	56.72	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite, honey brown sphalerite and galena.			
								Sp	20	BL
								Gn	5	BL
								Py	15	BL
56.75	56.78	VB	37	70	NUL	1	Grey quartz/white carbonate vein breccia hosting disseminated pyrite, sphalerite and galena and arsenopyrite.			
								Gn	1	DI
								Py	3	DI
								As	0.1	DI
								Sp	2	DI
56.80	56.81	VN	37	80	NUL	1	Banded grey quartz/white carbonate vein hosting disseminated pyrite, sphalerite and galena.			
								Gn	0.1	DI
								Sp	1	DI
								Py	1	DI
64.30	64.32	VN	37	60	NUL	1	Banded grey quartz/white carbonate vein hosting blebby pyrite. Vein has no halo.			
								Py	50	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
69.25	70.83	VT	37	60	NUL	10	Ten 0.1-0.5cm wide grey quartz/white carbonate veinlets hosting disseminated pyrite.			
								Py	10	DI
80.27	80.41	VN	37	70	NUL	1	Grey quartz brecciated by cream carbonate. Hosts disseminated to blebby pyrite, honey brown sphalerite and galena. Vein breccia is partially sericite altered.			
								Gn	5	BL
								Py	15	BL
								Sp	10	BL
80.44	80.45	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	40	BL
83.95	83.96	VT	37	80	NUL	1	Banded grey quartz and white carbonate veinlet hosting disseminated to blebby pyrite.			
								Py	30	BL
85.74	85.94	BX	34	-	NUL	1	Rubbly, oxidized and gouge altered smoky quartz and white carbonate breccia. Hosts disseminated to blebby pyrite.			
								Py	10	BL
91.47	91.49	VN	37	80	NUL	1	Banded grey quartz and white carbonate vein.			
94.08	94.15	VN	37	70	NUL	1	Two 1-2cm irregularly banded grey quartz/white carbonate veins hosting disseminated pyrite.			
								Py	1	DI
102.72	102.90	GO	34	-	NUL	1	Rubbly significantly gouge altered volcanics			
103.12	103.58	GO	34	-	NUL	1	Broken up grey gouge zone.			
104.49	104.80	VN	37	40	NUL	1	Rubbly irregularly banded and brecciated grey quartz and white carbonate vein breccia hosting disseminated pyrite. Carbonate has small vugs and exhibits minor colloform texture.			
								Py	1	DI
106.80	106.84	VN	37	70	NUL	1	Banded grey quartz/white carbonate vein hosting disseminated to blebby pyrite, sphalerite and disseminated galena.			
								Sp	2	BL
								Py	4	BL
								Gn	0.1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
122.69	123.16	VN	37	-	NUL	1	Rubbly interval of grey/green quartz feldspar porphyry dyke brecciated by a net of cream carbonate.			
129.39	129.47	VN	37	50	NUL	1	Grey to dark grey quartz vein with interstitial white carbonate hosting disseminated to blebby pyrite, blackjack sphalerite, galena and chalcopyrite.			
								Sp	7	BL
								Py	45	BL
								Cp	1	BL
								Gn	3	BL
146.43	146.76	VN	37	80	NUL	1	Smoky quartz brecciating cream carbonates and argillic/sericite altered volcanics and is partially gouge altered. Hosts disseminated pyrite.			
								Py	1	DI
147.48	147.49	VT	37	80	NUL	1	0.3cm wide banded quartz/carbonate veinlet hosting disseminated pyrite, galena and sphalerite.			
								Py	10	DI
								Sp	15	DI
								Gn	3	DI
152.74	152.85	VN	37	70	NUL	1	Light grey to milky white quartz vein with minor interstitial white carbonate. Hosts bands of blebby pyrite and arsenopyrite and minor blebby blackjack sphalerite. Vein margins and strongly sericite altered.			
								Sp	31	BL
								As	10	BL
								Py	30	BL
174.84	174.86	VB	37	70	NUL	1	Vuggy white carbonate vein breccia with partial quartz infilling. Hosts disseminated pyrite.			
								Py	2	DI
179.63	179.66	VN	37	80	NUL	1	Irregularly banded dark grey quartz and cream carbonate vein hosting disseminated pyrite.			
								Py	1	DI
207.00	209.40	VT	37	70	NUL	13	Thirdteen 0.3-0.6cm wide white carbonate/quartz veinlets.			
213.26	213.44	BX	34	-	NUL	1	White/tan carbonate brecciating argillic altered volcanics.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
213.70	213.79	VB	37	80	NUL	1	Cream carbonate vein breccia brecciating argillic volcanics and quartz vein hosting disseminated to blebby pyrite and disseminated blackjack sphalerite and galena.			
								Gn	1	DI
								Py	10	BL
								Sp	1	DI
213.92	213.98	VB	37	80	NUL	1	Light tan ankerite vein breccia with interstitial smoky quartz hosting disseminated pyrite.			
								Py	1	DI
219.24	219.32	VB	37	80	NUL	1	White carbonate vein breccia that has brecciated smoky quartz hosting disseminated to blebby pyrite and arsenopyrite and trace disseminated blackjack sphalerite and galena.			
								Py	8	BL
								Sp	0.1	DI
								Gn	0.1	DI
								As	4	BL
226.90	226.95	VB	37	80	NUL	1	Smoky quartz vein breccia hosting disseminated to blebby pyrite.			
								Py	5	BL
229.60	229.62	VN	37	30	NUL	1	Banned grey quartz and white carbonate vein.			
235.60	235.61	VN	37	20	NUL	1	Heavily hematite stained banded grey quartz and white carbonate vein.			
								He	20	---
241.26	241.32	VN	37	80	NUL	1	Grey quartz and white carbonate vein breccia hosting disseminated to blebby pyrite.			
258.02	258.04	VN	37	75	NUL	1	White carbonate brecciating grey quartz that hosts disseminated to blebby pyrite.			
								Py	5	BL
260.93	260.98	VB	37	80	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite.			
								Py	15	BL
261.12	261.14	VN	37	85	NUL	1	White carbonate vein exhibiting colloform texture with interstitial quartz. Hosts disseminated pyrite.			
								Py	3	DI
268.25	268.28	VN	37	80	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated pyrite.			
								Py	0.1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
269.46	269.69	VN	37	80	NUL	1	Rubbly broken up grey quartz/medium grey chalcedony/cream carbonate vein breccia. Hosts disseminated to blebby pyrite, galena and disseminated blackjack sphalerite.			
								Gn	2	BL
								Sp	1	DI
								Py	20	BL
273.89	273.96	VN	37	75	NUL	1	Grey quartz vein breccia with intestinal grey quartz and sericite altered volcanics. Hosts disseminated to blebby pyrite.			
								Py	50	BL
278.08	279.11	VT	37	60	NUL	5	Five 0.2-0.6cm grey quartz veins hosting blebby pyrite. Has minor amounts of interstitial white carbonate.			
								Py	60	BL
279.19	2979.21	VN	37	80	NUL	1	Grey quartz vein with disseminated to blebby pyrite along its selvedges. Hosts minor amounts of sericite and interstitial white carbonate. Some of the pyrite blebs have bright red hematite staining along their bleb grain boundaries.			
								He	0.1	---
								Py	40	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382791	6890016	1394.48	131.86

ZONE: Central BYG

SECTION:

HOLE: KL-16-307

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 7.62m, In

Drilling Dates: Jul 06 - Jul 07, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	28.4	-50.6	Reflex
127.1	37.9	-48.7	Reflex

TARGET: BYG

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.5	0.5	OVB
0.5	3.81	3.31	OVB
3.81	7.32	3.51	GRD
7.32	29.36	22.04	GRD
29.36	30.18	0.82	GRD
30.18	37.22	7.04	GRD
37.22	41.68	4.46	GRD
41.68	47.85	6.17	QFP
47.85	50.16	2.31	QFP
50.16	131.86	81.7	GRD

SAMPLES	
Numbers:	K290502 to K290541, K290543 to K290578, K292738 to K292739, K292741 to K292745
Total:	83
Batch:	020, 021, 024, 028
Certificates:	VA16112560, VA16112563, VA16112568, VA16121836

COMMENTS

Box Log

KL-16-307

Klaza
entral BYG Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0.5	3.81
2	3.81	6.41
3	6.41	9.35
4	9.35	12.37
5	12.37	15.39
6	15.39	18.52
7	18.52	21.46
8	21.46	24.62
9	24.62	27.6
10	27.6	30.9
11	30.9	34.17
12	34.17	36.87
13	36.87	39.63
14	39.63	42.55
15	42.55	45.27
16	45.27	48.21
17	48.21	51.25
18	51.25	54.47
19	54.47	57.43
20	57.43	60.63
21	60.63	63.9
22	63.9	67.21
23	67.21	70.27
24	70.27	73.47
25	73.47	76.3
26	76.3	79.5
27	79.5	82.55
28	82.55	85.68
29	85.68	88.89
30	88.89	91.6
31	91.6	95.07
32	95.07	98.04
33	98.04	101.23
34	101.23	104.14
35	104.14	107.26
36	107.26	110.34
37	110.34	113.57
38	113.57	116.62
39	116.62	119.86
40	119.86	123.28
41	123.28	126.35
42	126.35	129.49
43	129.49	131.86

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-307									
	17.37	12	HQ	GRD	1001.3	628.9	2.68	2.7	A mottled and patchy zone of weakly silicified granodiorite. Interval displayspervasive goethite and limonite mineralization throughout. Patches of prophylitic/argillic altered granodiorite remain that are relatively unoxidized. Hosts unmineralized quartz stringers that display oxidation.
	40.28	17.5	HQ	GRD	1514.5	969.7	2.78	2.8	Propylitic/phyllic altered granodiorite hosting major carbonate veining in a net texture.
	41.31	19	HQ	GRD	1600	1023	2.7	2.8	Propylitic/phyllic altered granodiorite hosting quartz veining, brecciation, and major carbonate vein intrusion.
	49.18	14	HQ	QFP	1086.8	656.7	2.49	2.5	Highly oxidized smokey quartz vein hosting disseminated pyrite. Vein found within silicified quartz feldspar porphyry dyke that has undergone silicification.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	58.87	13	HQ	GRD	1219.5	789.8	3.01	2.8	Multiphase quartz carbonate vein. Vein consists of a smokey quartz vein enveloping and brecciating a zoned carbonate vein. The upper selvedge of this vein zone consists of a smokey quartz breccia that contains cabonate, galena, and sphalerite clasts. This leads into smokey quartz that has banded chalcedoney along both ends of the pulse. The smokey quartz/chalcedoney banding brecciates the the carbonate veining. Blebby pyrite, galena, and sphalerite are found along the lower selvedge of the vein, distal to smokey quartz/carbonate brecciation.
	75.39	5	HQ	GRD	641.9	503.2	4.12	4.6	BYG Vein found within argillic/phyllic altered granodiorite. Vein hosts massive galena, and zoned black to honey brown sphalerite, along with blebby arseno pyrite and pyrite. Quartz carbonate and carbonate stringers are founnd throughout vein and along the upper selvedge of the zone.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	108.24	15	HQ	GRD	1331.2	878	2.85	2.9	Part of a 20cm multiphase quartz/smokey quartz vein. An 8cm Smokey quartz within the entire vein zone hosts semi-massive blebby zoned honey brown sphalerite, and blebby galena, arsenopyrite, pyrite. The upper selvedge of the vein zone is highly gouge altered and brecciated smokey quartz, leading into bands of smokey quartz, phyllic granodiorite, and quartz that weakly brecciate eachother in upper selvedge of the main mineralized injection. This zone is weakly mineralized, but hosts disseminated pyrite and galena throughout the breccia.
	109.11	20	HQ	GRD	1801	1169.3	2.89	2.9	5cm quartz vein crosscutting moderate to strongly phyllic altered granodiorite. Vein hosts blebby pyrite, galena, honey brown sphalerite, arsenopyrite, and chalcopyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.50	3.81	3.31	OVB	--	Heavily oxidized and weathered overburden. Contains mix of organic materials (soils) as well as heavily broken down grandorite.							
						MD	OR					
						MD	BR		OXI	5I		
						DK	BR					
						DK	OR					
3.81	7.32	3.51	GRD	MG	Strongly oxidized, fractured, and rubbly granodiorite. Interval carries patches of competent granodiorite with strong oxidation and weathering that display moderate propylitic alteration, and strong argillic alteration.							
						MD	BR	PA	PRO	2I		
						MD	OR		PRO	3I		
						MD	TN					
						LT	GN		ARG	4I		
						DK	OR	RB	OXI	4I		
						DK	BR	FR	OXI	5I		
7.32	23.30	15.98	GRD	MG	Granodiorite undegoes 4 main recurring alterataion types. Unaltered granodiorite occurs in intervals, displaying patches of oxidation along joints and fractures. Argillic altered granodiorite that displays weak to strong oxidation. Argillic/propylitic granodiorite that has undergone moderate oxidation occurs, carrying sporadic zones of quartz/carbonate/sulfide mineralization. And finally propylitic/phyllic alteration with oxidation. Argillic alteration styles are noticeably less competent than other alteration types. Mineralization present in zones of oxidized argillic granodiorite that are proximal to propylitic/phyllic styles of alteration. Silicification present within some oxidized argillic boundaries.							
						MD	OR	MO	PHC	3I	Go	1
						MD	BR	FR	PRO	3I	Gn	0.1
						LT	BR	RB	PRO	2I	Py	0.1
						LT	OR	PA	PHC	2I	Li	1
						LT	GN		ARG	3I		
									OXI	3I		
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SIL	2I		
									ARG	4I		
23.30	24.04	0.74	GRD	MG	Moderately phyllic altered granodiorite zone found within unaltered granodiorite.							
						LT	GN		PHC	3I		
29.36	30.18	0.82	GRD	--	Severely gouge altered phyllic quartz flooded granodiorite. Gouge contains clasts of phyllic alteration and quartz throughout. Gouge severity ranges from extreme to weak, with the most intense gouging occuring in the middle of the interval. Clast size ranges from sand to pebble. Slight oxidation seen at end selvedges of interval.							
						LT	BR	RB	PHC	2I		
						LT	OR	FR	OXI	2I		
						LT	GN					
30.18	36.52	6.34	GRD	MG	Granodiorite with multiple alteration types. Granodiorite displays moderate to strong argillic/phyllic, argillic/propylitic, argillic/phyllic/propylitic, argillic/oxidized, and unaltered granodiorite in recurring patches throughout. Oxidized argillic alteration displays low competence and is highly fractured compared to other alteration types. Joints and fractures display oxidation throughout interval. Trace disseminated pyrite found along sporadic oxidized argillic altered joints.							
						MD	GN	FR	PHC	3I		
						MD	OR		ARG	3I		
						LT	GN	PA	PHC	2I		
						LT	BR		PRO	3I		
						LT	OR		ARG	2I		
									ARG	5I		
									OXI	3I		
									OXI	4I		
									ARG	4I		
36.52	36.57	0.05	GRD	MG	Zone of strongly argillic altered granodiorite. Displays clay breakdown and is soft to touch.							
						LT	WH		ARG	4I		
38.15	38.25	0.10	GRD	--	Severely gouge altered and oxidized grandiorite.							
						MD	OR	RB	OXI	4I		
						MD	BR					
47.55	47.62	0.07	QFP	--	Strongly gouge altered quartz feldspar porhyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BR	PO				
47.85	48.21	0.36	GRD	MG	Highly gouge altered argillic granodiorite that has undergone moderate oxidation.							
						MD	OR		OXI	4I		
						LT	OR		ARG	3I		
						LT	BR					
48.21	50.16	1.95	QFP	--	Hghly gouge altered brown quartz feldspar poprhyry dyke Cotnans an interval of severe quartz flooding and silicification that carries mineralization. Gouge altereation ranges from weak to strong. Interval alternates between brown dyke, strongly argillic altered granodiorite, and strongly silicified quartz flooded rock. Quartz flooded and silicified material has been completely replaced.							
						MD	OR	FR	ARG	3I		
						MD	BR		SIL	3I		
						MD	WH		SIL	4I		
						LT	BR	PO	OXI	3I	Py	1
						LT	OR	PA	OXI	4I		
						LT	GN		SIL	5I		
72.97	76.70	3.73	GRD	MG	Argillic/phyllic altered granodiorite recurring in patches between argillic/propylitic altered granodiorite. Phyllic/argillic altered granodiorite is a halo for multiple veins cruss cutting the interval, including BYG style massive galena sphalerite mineralization. Fractures and joints are oxidized.							
						MD	WH		ARG	3I	Sp	1
						MD	GN		PHC	3I		
						LT	WH	PA	ARG	2I	Gn	2
						LT	GN		PRO	2I	Py	0.1
									PHC	4I		
97.39	103.89	6.50	GRD	MG	Moderately argillic altered halo with phyllic overprinting. Zone contains quartz/carbonate veins and veinlets ranging from 0.2cm to 4cm. Zone carries disseminated pyrite and tourmaline deposited throughout, as well as a gouge altered vein hosting pyrite, sphalerite, galena.							
						MD	WH		ARG	3I	To	0.1
						LT	GN		ARG	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	2I	Sp	0.1
											Gn	0.1
103.89	110.22	6.33	GRD	MG	Moderately argillic altered granodiorite with weak to moderate phyllic overprinting. Zone hosts multiple vein zones hosting galena, pyrite, sphalerite.							
						MD	GN		PHC	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
									ARG	2I		
									ARG	3I	Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.50	3.81	3.31	OVB	--	Heavily oxidized and weathered overburden. Contains mix of organic materials (soils) as well as heavily broken down grandorite.							
						MD	BR		OXI	5I		
						DK	BR					
						MD	OR					
						DK	OR					
3.81	7.32	3.51	GRD	MG	Strongly oxidized, fractured, and rubbly granodiorite. Interval carries patches of competent granodiorite with strong oxidation and weathering that display moderate propylitic alteration, and strong argillic alteration.							
						LT	GN		ARG	4I		
						DK	OR	PA	OXI	4I		
						DK	BR	RB	OXI	5I		
						MD	OR		PRO	3I		
						MD	TN					
						MD	BR	FR	PRO	2I		
7.32	29.36	22.04	GRD	MG	Granodiorite undegoes 4 main recurring alterataion types. Unaltered granodiorite occurs in intervals, displaying patches of oxidation along joints and fractures. Argillic altered granodiorite that displays weak to strong oxidation. Argillic/propylitic granodiorite that has undergone moderate oxidation occurs, carrying sporadic zones of quartz/carbonate/sulfide mineralization. And finally propylitic/phyllic alteration with oxidation. Argillic alteration styles are noticeably less competent than other alteration types. Mineralization present in zones of oxidized argillic granodiorite that are proximal to propylitic/phyllic styles of alteration. Silicification present within some oxidized argillic boundaries.							
						LT	GN		ARG	3I		
						LT	BR	RB	PRO	2I	Py	0.1
						MD	BR	FR	PRO	3I	Gn	0.1
						MD	OR	MO	PHC	3I	Go	1
									ARG	4I		
									OXI	3I		
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SIL	2I		
						LT	OR	PA	PHC	2I	Li	1
29.36	30.18	0.82	GRD	--	Severely gouge altered phyllic quartz flooded granodiorite. Gouge contains clasts of phyllic alteration and quartz throughout. Gouge severity ranges from extreme to weak, with the most intense gouging occuring in the middle of the interval. Clast size ranges from sand to pebble. Slight oxidation seen at end selvedges of interval.							
						LT	GN					
						LT	BR	RB	PHC	2I		
						LT	OR	FR	OXI	2I		
30.18	37.22	7.04	GRD	MG	Granodiorite with multiple alteration types. Granodiorite displays moderate to strong argillic/phyllic, argillic/propylitic, argillic/phyllic/propylitic, argillic/oxidized, and unaltered granodiorite in recurring patches throughout. Oxidized argillic alteration displays low competence and is highly fractured compared to other alteration types. Joints and fractures display oxidation throughout interval. Trace disseminated pyrite found along sporadic oxidized argillic altered joints.							
						LT	GN	PA	PHC	2I		
						MD	GN	FR	PHC	3I		
									OXI	3I		
						LT	BR		PRO	3I		
						LT	OR		ARG	2I		
						MD	OR		ARG	3I		
									ARG	4I		
									ARG	5I		
									OXI	4I		
37.22	41.68	4.46	GRD	MG	Highly oxidized and fractuerd granodiorite with minor silicification and quartz flooding transitioning into more competent moderately propylitic/phyllic altered granodiorite. Propylitic/phyllic altered granodiorite hosts major patchy mineralization, quartz veining, brecciation, and major carbonate vein intrusion. Highly fractured and oxidized granodiorite contains quartz carbonate stringers, gouge alteration, and weak mineralization. Joints and fractures of highly oxidized zone displays moderate limonite infill							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PRO	3I		
						LT	OR	FR	OXI	2I	Py	1
						MD	OR	NE	OXI	3I	Gn	3
						DK	OR	PA	OXI	4I	Sp	1
						LT	BR	BX	OXI	5I		
						MD	BR	MA	PRO	2I		
						MD	BL		PHC	3I		
									LIM	3I		
						MD	GN		PHC	2I		
									SIL	2I		
47.85	50.16	2.31	QFP	--	Hghly gouge altered brown quartz feldspar poprhyry dyke Cotnans an interval of severe quartz flooding and silicification that carries mineralization. Gouge altereation ranges from weak to strong. Interval alternates between brown dyke, strongly argillic altered granodiorite, and strongly silicified quartz flooded rock. Quartz flooded and silicified material has been completely replaced.							
						LT	OR	PA	OXI	4I		
						LT	BR	PO	OXI	3I	Py	1
						MD	OR	FR	ARG	3I		
						MD	BR		SIL	3I		
						MD	WH		SIL	4I		
						LT	GN		SIL	5I		
50.16	131.86	81.70	GRD	MG	Granodiorite alternating between unaltered granodiorite, moderate to strongly argillic alteration (with occasional potassic overprinting), weak to strong phyllic alteration, weak to moderate argillic/phyllic alteration, and weak to moderate propylitic alteration. Interval contains patches of moderately oxidized fractures and joints, but only displays minor patches of oxidation outside of joints. Oxidation decreases with depth until ~100m, where it ends. Mineralization is present throughout, found within halos of phyllic to argillic/phyllic altered granodiorite ranging in intensity.							
									PHC	2I		
						MD	GN		PRO	2I	As	0.1
						LT	GN		ARG	4I	Py	0.1
						MD	WH		ARG	3I	Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	3I		
									PHC	4I		
									OXI	3I		
									SIL	2I		
									SIL	3I		
						MD	OR		PRO	3I		
						LT	WH	PA	ARG	2I	Gn	0.1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	0.50	0.50	0	0	0.00	0	--	--	--	Drill Casing
0.50	2.13	1.63	1.43	88	0.00	0	--	1H	4W	
2.13	5.18	3.05	2	66	0.12	4	--	1H	4W	
5.18	8.23	3.05	2.47	81	0.50	16	--	1H	3W	
8.23	11.28	3.05	2.9	95	1.64	54	--	1H	3W	
11.28	14.33	3.05	2.99	98	1.92	63	--	1H	3W	
14.33	17.37	3.04	2.86	94	1.01	33	--	1H	3W	
17.37	20.42	3.05	2.94	96	1.88	62	--	1H	3W	
20.42	23.47	3.05	3	98	1.38	45	--	1H	3W	
23.47	26.52	3.05	3	98	1.79	59	--	1H	2W	
26.52	29.57	3.05	3.05	100	1.76	58	--	1H	2W	
29.57	32.61	3.04	2.49	82	0.57	19	--	1H	2W	
32.61	35.66	3.05	3.05	100	1.28	42	--	2H	2W	
35.66	38.71	3.05	3.01	99	0.22	7	--	1H	3W	
38.71	41.76	3.05	2.86	94	1.64	54	--	3H	2W	
41.76	44.81	3.05	2.9	95	1.80	59	--	3H	2W	
44.81	47.85	3.04	2.87	94	0.34	11	--	1H	2W	
47.85	50.90	3.05	2.87	94	1.59	52	--	1H	2W	
50.90	53.95	3.05	3	98	1.89	62	--	1H	2W	
53.95	57.00	3.05	2.93	96	1.67	55	--	1H	2W	
57.00	60.05	3.05	3.05	100	2.58	85	--	3H	2W	
60.05	63.09	3.04	2.96	97	2.21	73	--	3H	2W	
63.09	66.14	3.05	3	98	2.06	68	--	3H	1W	
66.14	69.19	3.05	3	98	1.50	49	--	3H	1W	
69.19	72.24	3.05	2.89	95	1.97	65	--	3H	1W	
72.24	75.29	3.05	2.99	98	1.67	55	--	3H	1W	
75.29	78.33	3.04	2.77	91	1.24	41	--	3H	1W	
78.33	81.38	3.05	2.98	98	1.68	55	--	4H	1W	
81.38	84.43	3.05	2.97	97	1.70	56	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	2.89	95	2.04	67	--	3H	1W	
87.48	90.53	3.05	3.05	100	2.77	91	--	1H	1W	
90.53	93.57	3.04	2.94	97	2.43	80	--	3H	1W	
93.57	96.62	3.05	2.8	92	2.03	67	--	3H	1W	
96.62	99.67	3.05	2.95	97	2.90	95	--	1H	1W	
99.67	102.72	3.05	3.05	100	2.46	81	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.00	66	--	3H	1W	
105.77	108.81	3.04	3	99	2.07	68	--	2H	1W	
108.81	111.86	3.05	2.97	97	1.99	65	--	3H	1W	
111.86	114.91	3.05	2.94	96	1.97	65	--	3H	1W	
114.91	117.96	3.05	3.05	100	2.40	79	--	3H	1W	
117.96	121.00	3.04	2.94	97	2.66	88	--	3H	1W	
121.00	124.05	3.05	2.93	96	2.15	70	--	1H	1W	
124.05	127.10	3.05	3.02	99	2.09	69	--	1H	1W	
127.10	130.15	3.05	3.03	99	2.54	83	--	3H	1W	
130.15	131.86	1.71	1.71	100	0.93	54	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
4	0.534	GRD	all previous metres are to fractured to mag
5	0.529	GRD	
6	8.18	GRD	
7	2.41	GRD	
8	20.2	GRD	
9	21.1	GRD	
10	4.76	GRD	
11	9.09	GRD	
12	0.165	GRD	
13	0.273	GRD	
14	1.27	GRD	
15	10.4	GRD	
16	0.507	GRD	
17	12.5	GRD	
18	1.2	GRD	
19	13.1	GRD	
20	23.5	GRD	
21	27	GRD	
22	11.4	GRD	
23	29.9	GRD	
24	4.99	GRD	
25	13	GRD	
26	17	GRD	
27	18.6	GRD	
28	12.9	GRD	
29	13.8	GRD	
30	0.479	GRD	
31	0.304	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
32	0.549	GRD	
33	0.384	GRD	
34	0.958	GRD	
35	0.542	GRD	
36	9.33	GRD	
37	0.4	GRD	
38	0.222	GRD	
39	0.372	GRD	
40	0.457	GRD	
41	0.403	GRD	
42	0.029	QFP	
43	0.009	QFP	
44	0.026	QFP	
45	0.037	QFP	
46	0.034	QFP	
47	0.035	QFP	
48	0.207	QFP	
49	0.315	QFP	
50	0.198	QFP	
51	7.15	GRD	
52	2.27	GRD	
53	0.545	GRD	
54	3.39	GRD	
55	0.308	GRD	
56	0.306	GRD	
57	0.357	GRD	
58	0.432	GRD	
59	0.607	GRD	
60	0.341	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
61	0.473	GRD	
62	0.394	GRD	
63	0.517	GRD	
64	0.853	GRD	
65	0.439	GRD	
66	3.94	GRD	
67	0.448	GRD	
68	0.491	GRD	
69	0.319	GRD	
70	28.8	GRD	
71	24	GRD	
72	0.441	GRD	
73	0.527	GRD	
74	0.47	GRD	
75	0.415	GRD	
76	0.28	GRD	
77	7.45	GRD	
78	2.78	GRD	
79	3.14	GRD	
80	0.844	GRD	
81	23.2	GRD	
82	20.3	GRD	
83	5.46	GRD	
84	0.584	GRD	
85	22.2	GRD	
86	25.1	GRD	
87	22.3	GRD	
88	4.35	GRD	
89	0.56	GRD	
90	24	GRD	
91	20.5	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
92	18.6	GRD	
93	26.1	GRD	
94	0.186	GRD	
95	0.398	GRD	
96	0.189	GRD	
97	0.308	GRD	
98	0.229	GRD	
99	0.24	GRD	
100	0.547	GRD	
101	1.61	GRD	
102	3.58	GRD	
103	16.4	GRD	
104	0.267	GRD	
105	0.461	GRD	
106	0.191	GRD	
107	0.677	GRD	
108	0.328	GRD	
109	0.295	GRD	
110	0.269	GRD	
111	0.239	GRD	
112	0.825	GRD	
113	0.408	GRD	
114	0.272	GRD	
115	0.808	GRD	
116	0.54	GRD	
117	1.28	GRD	
118	0.313	GRD	
119	0.283	GRD	
120	0.244	GRD	
121	20.1	GRD	
122	18.5	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
123	6.48	GRD	
124	0.391	GRD	
125	0.657	GRD	
126	19.56	GRD	
127	21.87	GRD	
128	2.887	GRD	
129	19.57	GRD	
130	0.433	GRD	
131	0.938	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K292739	☐	16-020	HG	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290504	☐	16-021		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292744	☐	16-020	HG	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290576	☐	16-028			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290564	☐	16-028		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290561	☐	16-028			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290548	☐	16-028		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290530	☐	16-024			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290526	☐	16-024		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290521	☐	16-024			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290515	☐	16-024		KL-STD4	☐	☐	☐
13.87	14.54	0.67	GRD	0.66	99	K290502	☐	16-021			☐	☐	☐
14.54	15.14	0.60	GRD	0.60	100	K290503	☐	16-021			☐	☐	☐
15.14	15.82	0.68	GRD	0.63	93	K290505	☐	16-021			☐	☐	☐
15.82	16.32	0.50	GRD	0.50	100	K290506	☐	16-021			☐	☐	☐
16.32	17.19	0.87	GRD	0.87	100	K290507	☐	16-021			☐	☐	☐
17.19	17.69	0.50	GRD	0.50	100	K290508	☐	16-021			☐	☐	☐
17.69	18.19	0.50	GRD	0.50	100	K290509	☐	16-024			☐	☐	☐
18.19	18.69	0.50	GRD	0.50	100	K290510	☐	16-024			☐	☐	☐
35.84	36.36	0.52	GRD	0.52	100	K290511	☐	16-024			☐	☐	☐
36.36	37.22	0.86	GRD	0.75	87	K290512	☐	16-024			☐	☐	☐
37.22	38.00	0.78	GRD, GRD	0.61	78	K290513	☐	16-024			☐	☐	☐
38.00	38.64	0.64	GRD	0.64	100	K290514	☐	16-024			☐	☐	☐
38.64	39.14	0.50	GRD	0.50	100	K290516	☐	16-024			☐	☐	☐
39.14	39.45	0.31	GRD	0.31	100	K292738	☐	16-020	HG		☐	☐	☐
39.45	39.95	0.50	GRD	0.50	100	K290517	☐	16-024			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
39.95	40.60	0.65	GRD	0.55	85	K290518	☐	16-024			☐	☐	☐
40.60	41.10	0.50	GRD	0.50	100	K290519	☐	16-024			☐	☐	☐
41.10	41.64	0.54	GRD	0.52	96	K290520	☐	16-024			☐	☐	☐
41.64	42.18	0.54	GRD	0.54	100	K290522	☐	16-024			☐	☐	☐
42.18	43.02	0.84	QFP	0.81	96	K290523	☐	16-024			☐	☐	☐
43.02	44.81	1.79	QFP	1.68	94	K290524	☐	16-024			☐	☐	☐
44.81	47.35	2.54	QFP	1.82	72	K290525	☐	16-024			☐	☐	☐
47.35	47.85	0.50	QFP	0.50	100	K290527	☐	16-024			☐	☐	☐
47.85	48.62	0.77	QFP, QFP	0.77	100	K290528	☐	16-024			☐	☐	☐
48.62	49.16	0.54	QFP	0.54	100	K290529	☐	16-024			☐	☐	☐
49.16	49.66	0.50	QFP	0.50	100	K290531	☐	16-024			☐	☐	☐
49.66	50.29	0.63	QFP	0.53	84	K290532	☐	16-024			☐	☐	☐
50.29	50.80	0.51	GRD	0.51	100	K290533	☐	16-024			☐	☐	☐
50.29	50.80	0.51	GRD	0.51	100	K290534	☐	16-024			☐	☑	☐
50.80	51.38	0.58	GRD	0.58	100	K290535	☐	16-024			☐	☐	☐
55.13	55.73	0.60	GRD	0.60	100	K290536	☐	16-024			☐	☐	☐
55.73	56.38	0.65	GRD	0.65	100	K290537	☐	16-024			☐	☐	☐
56.38	56.92	0.54	GRD	0.54	100	K290538	☐	16-024			☐	☐	☐
56.92	58.08	1.16	GRD	1.16	100	K290539	☐	16-024			☐	☐	☐
56.92	58.08	1.16	GRD	1.16	100	K290540	☐	16-024			☐	☐	☑
58.08	58.59	0.51	GRD	0.51	100	K290541	☐	16-024			☐	☐	☐
58.59	59.19	0.60	GRD	0.59	98	K292741	☐	16-020	HG		☐	☐	☐
59.19	59.69	0.50	GRD	0.50	100	K290543	☐	16-024			☐	☐	☐
59.69	60.34	0.65	GRD	0.65	100	K290544	☐	16-024			☐	☐	☐
60.34	60.94	0.60	GRD	0.60	100	K290545	☐	16-028			☐	☐	☐
60.94	61.45	0.51	GRD	0.51	100	K290546	☐	16-028			☐	☐	☐
73.06	73.59	0.53	GRD	0.53	100	K290547	☐	16-028			☐	☐	☐
73.59	74.11	0.52	GRD	0.52	100	K290549	☐	16-028			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
74.11	74.63	0.52	GRD	0.52	100	K290550	☐	16-028			☐	☐	☐
74.63	75.29	0.66	GRD	0.64	97	K290551	☐	16-028			☐	☐	☐
75.29	75.62	0.33	GRD	0.32	97	K292742	☐	16-020	HG		☐	☐	☐
75.62	76.41	0.79	GRD	0.63	80	K290552	☐	16-028			☐	☐	☐
76.41	78.37	1.96	GRD	1.96	100	K290553	☐	16-028			☐	☐	☐
76.41	78.37	1.96	GRD	1.96	100	K290554	☐	16-028			☐	☑	☐
78.37	78.87	0.50	GRD	0.50	100	K290555	☐	16-028			☐	☐	☐
78.87	79.50	0.63	GRD	0.58	92	K290556	☐	16-028			☐	☐	☐
79.50	79.98	0.48	GRD	0.48	100	K290557	☐	16-028			☐	☐	☐
103.13	103.63	0.50	GRD	0.50	100	K290558	☐	16-028			☐	☐	☐
103.63	104.13	0.50	GRD	0.50	100	K290559	☐	16-028			☐	☐	☐
104.13	104.62	0.49	GRD	0.48	98	K290560	☐	16-028			☐	☐	☐
104.62	104.98	0.36	GRD	0.36	100	K292743	☐	16-020	HG		☐	☐	☐
104.98	105.48	0.50	GRD	0.50	100	K290562	☐	16-028			☐	☐	☐
105.48	108.15	2.67	GRD	2.67	100	K290563	☐	16-028			☐	☐	☐
108.15	108.48	0.33	GRD	0.33	100	K292745	☐	16-020	HG		☐	☐	☐
108.48	109.06	0.58	GRD	0.58	100	K290565	☐	16-028			☐	☐	☐
109.06	109.58	0.52	GRD	0.52	100	K290566	☐	16-028			☐	☐	☐
109.58	110.08	0.50	GRD	0.50	100	K290567	☐	16-028			☐	☐	☐
110.08	110.62	0.54	GRD	0.54	100	K290568	☐	16-028			☐	☐	☐
110.08	110.62	0.54	GRD	0.54	100	K290569	☐	16-028			☐	☐	☑
110.62	111.38	0.76	GRD	0.74	97	K290570	☐	16-028			☐	☐	☐
111.38	111.86	0.48	GRD	0.48	100	K290571	☐	16-028			☐	☐	☐
111.86	112.36	0.50	GRD	0.50	100	K290572	☐	16-028			☐	☐	☐
112.36	113.10	0.74	GRD	0.74	100	K290573	☐	16-028			☐	☐	☐
113.10	115.32	2.22	GRD	2.12	95	K290574	☐	16-028			☐	☐	☐
115.32	115.85	0.53	GRD	0.53	100	K290575	☐	16-028			☐	☐	☐
115.85	116.54	0.69	GRD	0.69	100	K290577	☐	16-028			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
116.54	117.07	0.53	GRD	0.53	100	K290578	☐	16-028			☐	☐	☐

KL-16-307
Central BYG

Sample Results

################ Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	13.87			☐	☐	☐	☐	
16-020	K292739	0.00	0.00	1.73	280	☐	☐	☐	☑ KL-STD6	
16-020	K292744	0.00	0.00	13.65	770	☐	☐	☐	☑ ME-1402	
16-028	K290548	0.00	0.00	0.88	620	☐	☐	☐	☑ KL-STD5	
16-028	K290561	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-028	K290564	0.00	0.00	0.34	470	☐	☐	☐	☑ KL-STD4	
16-028	K290576	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-024	K290515	0.00	0.00	0.35	470	☐	☐	☐	☑ KL-STD4	
16-024	K290521	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-024	K290526	0.00	0.00	0.92	570	☐	☐	☐	☑ KL-STD5	
16-024	K290530	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-021	K290504	0.00	0.00	0.86	1150	☐	☐	☐	☑ KL-STD5	
16-021	K290502	13.87	14.54	0.00	2010	☐	☐	☐	☐	
16-021	K290503	14.54	15.14	0.00	2120	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-021	K290505	15.14	15.82	0.00	2400	☐	☐	☐	☐	
16-021	K290506	15.82	16.32	0.18	1450	☐	☐	☐	☐	
16-021	K290507	16.32	17.19	0.00	2270	☐	☐	☐	☐	
16-021	K290508	17.19	17.69	0.07	2180	☐	☐	☐	☐	
16-024	K290509	17.69	18.19	0.01	1870	☐	☐	☐	☐	
16-024	K290510	18.19	18.69	0.01	2230	☐	☐	☐	☐	
		18.69	35.84			☐	☐	☐	☐	
16-024	K290511	35.84	36.36	0.00	2560	☐	☐	☐	☐	
16-024	K290512	36.36	37.22	0.00	1880	☐	☐	☐	☐	
16-024	K290513	37.22	38.00	0.42	270	☐	☐	☐	☐	
16-024	K290514	38.00	38.64	0.66	1200	☐	☐	☐	☐	
16-024	K290516	38.64	39.14	0.10	370	☐	☐	☐	☐	
16-020	K292738	39.14	39.45	2.48	670	☐	☐	☐	☐	
16-024	K290517	39.45	39.95	0.58	190	☐	☐	☐	☐	
16-024	K290518	39.95	40.60	0.49	480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-024	K290519	40.60	41.10	0.06	650	☐	☐	☐	☐	
16-024	K290520	41.10	41.64	0.29	690	☐	☐	☐	☐	
16-024	K290522	41.64	42.18	0.00	750	☐	☐	☐	☐	
16-024	K290523	42.18	43.02	0.00	120	☐	☐	☐	☐	
16-024	K290524	43.02	44.81	0.00	130	☐	☐	☐	☐	
16-024	K290525	44.81	47.35	0.00	290	☐	☐	☐	☐	
16-024	K290527	47.35	47.85	0.01	580	☐	☐	☐	☐	
16-024	K290528	47.85	48.62	0.00	460	☐	☐	☐	☐	
16-024	K290529	48.62	49.16	0.10	120	☐	☐	☐	☐	
16-024	K290531	49.16	49.66	0.38	1210	☐	☐	☐	☐	
16-024	K290532	49.66	50.29	0.11	1170	☐	☐	☐	☐	
16-024	K290533	50.29	50.80	0.00	2080	☐	☐	☐	☐	
16-024	K290534	50.29	50.80	0.00	2070	☑	☐	☐	☐	
16-024	K290535	50.80	51.38	0.00	2010	☐	☐	☐	☐	
		51.38	55.13			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-024	K290536	55.13	55.73	0.00	1680	☐	☐	☐	☐	
16-024	K290537	55.73	56.38	0.00	1800	☐	☐	☐	☐	
16-024	K290538	56.38	56.92	0.16	1570	☐	☐	☐	☐	
16-024	K290539	56.92	58.08	0.01	1440	☐	☐	☐	☐	
16-024	K290540	56.92	58.08	0.02	1520	☐	☑	☐	☐	
16-024	K290541	58.08	58.59	0.00	1360	☐	☐	☐	☐	
16-020	K292741	58.59	59.19	0.39	1320	☐	☐	☐	☐	
16-024	K290543	59.19	59.69	0.00	2160	☐	☐	☐	☐	
16-024	K290544	59.69	60.34	0.02	1160	☐	☐	☐	☐	
16-028	K290545	60.34	60.94	0.01	2400	☐	☐	☐	☐	
16-028	K290546	60.94	61.45	0.01	1750	☐	☐	☐	☐	
		61.45	73.06			☐	☐	☐	☐	
16-028	K290547	73.06	73.59	0.01	1720	☐	☐	☐	☐	
16-028	K290549	73.59	74.11	0.02	1950	☐	☐	☐	☐	
16-028	K290550	74.11	74.63	0.01	920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-028	K290551	74.63	75.29	0.01	470	☐	☐	☐	☐	
16-020	K292742	75.29	75.62	3.63	980	☐	☐	☐	☐	
16-028	K290552	75.62	76.41	0.12	1870	☐	☐	☐	☐	
16-028	K290553	76.41	78.37	0.01	2190	☐	☐	☐	☐	
16-028	K290554	76.41	78.37	0.03	2160	☑	☐	☐	☐	
16-028	K290555	78.37	78.87	0.02	1810	☐	☐	☐	☐	
16-028	K290556	78.87	79.50	0.01	2410	☐	☐	☐	☐	
16-028	K290557	79.50	79.98	0.00	2360	☐	☐	☐	☐	
		79.98	######			☐	☐	☐	☐	
16-028	K290558	103.13	103.63	0.00	2570	☐	☐	☐	☐	
16-028	K290559	103.63	104.13	0.01	1830	☐	☐	☐	☐	
16-028	K290560	104.13	104.62	0.08	1200	☐	☐	☐	☐	
16-020	K292743	104.62	104.98	1.97	230	☐	☐	☐	☐	
16-028	K290562	104.98	105.48	0.43	1620	☐	☐	☐	☐	
16-028	K290563	105.48	108.15	0.00	1640	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-020	K292745	108.15	108.48	2.46	110	☐	☐	☐	☐	
16-028	K290565	108.48	109.06	0.08	570	☐	☐	☐	☐	
16-028	K290566	109.06	109.58	3.96	350	☐	☐	☐	☐	
16-028	K290567	109.58	110.08	0.24	310	☐	☐	☐	☐	
16-028	K290568	110.08	110.62	0.01	2450	☐	☐	☐	☐	
16-028	K290569	110.08	110.62	0.01	2400	☐	☑	☐	☐	
16-028	K290570	110.62	111.38	0.00	2740	☐	☐	☐	☐	
16-028	K290571	111.38	111.86	0.22	1050	☐	☐	☐	☐	
16-028	K290572	111.86	112.36	0.00	2860	☐	☐	☐	☐	
16-028	K290573	112.36	113.10	0.04	2200	☐	☐	☐	☐	
16-028	K290574	113.10	115.32	0.00	1800	☐	☐	☐	☐	
16-028	K290575	115.32	115.85	0.20	960	☐	☐	☐	☐	
16-028	K290577	115.85	116.54	0.00	1760	☐	☐	☐	☐	
16-028	K290578	116.54	117.07	0.00	1820	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
12.58	12.63	VN	37	80	NUL	1	Quartz/carbonate vein found within a halo of propylitic/argillic altered granodiorite. Quartz carbonate vein hosts disseminated blebby pyrite and galena, as well as brown sphalerite found within quartz that is proximal to ankerite (carbonate). Ankerite veining displays net textures, as well as multiple quartz brecciations (quartz clasts ranging from sand to pebble size found within carbonate veining).			
								Gn	2	BL
								Py	1	BL
								Sp	0.5	BL
13.04	13.05	VT	37	60	NUL	1	Quartz carbonate veinlet (0.6cm) cross cutting argillic/propylitic altered granodiorite. Veinlet hosts minor disseminated galena. Vein is situated near the upper selvedge of a small quartz feldspar porphyry dyke (2.5cm away)			
								Gn	1	DI
13.07	13.14	DY	37	70	NUL	1	Light green quartz feldspar porphyry dyke. Dyke displays moderate oxidation within micro cracks of the dyke.			
16.02	16.08	VN	37	85	NUL	2	two oxidized quartz/carbonate veins. First vein is a 1cm quartz/carbonate vein hosting blebby galena along its upper selvedge and disseminated to blebby pyrite along its lower selvedge. The second vein is a 1cm vein of predominantly carbonate, hosting blebby pyrite. Both veins have goethite stringers emanating from veins. Veins are separated by 2.5cm of phyllic altered granodiorite.			
								Gn	4	BL
								Py	2	BL
17.29	17.49	BX	34	-	NUL	1	A mottled and patchy zone of weakly silicified granodiorite. Interval displays pervasive goethite and limonite mineralization throughout. Patches of prophylitic/argillic altered granodiorite remain that are relatively unoxidized. Hosts unmineralized quartz stringers that display oxidation.			
								Li	5	IN
								Go	50	IN

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
27.49	27.50	VT	37	85	NUL	1	Oxidized white quartz veinlet hosting minor disseminated pyrite, and sphalerite. Veinlet found within a moderately phyllic altered granodiorite halo.			
								Py	1	DI
								Sp	1	DI
37.70	37.93	VT	37	50	NUL	3	Three quartz carbonate veinlets cross cutting highly oxidied argillic/phyllic granodiorite. Veinlets host disseaminted pyrite and sphalerite.			
								Sp	1	DI
								Py	1	DI
39.15	39.22	YV		70	NUL	1	6.5cm quartz vein cross cutting weak to moderately phyllic altered granodiorite. Quartz vein has been almost entirely replaced and hosts massive galena, massive black to honey brown sphalerite (slightly zoned), and an abundance of disseminated to blebby pyrite. Carbonate veinlets and stringers are found running nearly perpendicular to mineralization, and weakly brecciate sphalerite, galena and pyrite mineralization in the immediate proximity to the veinlets and stringers.			
								Py	5	BL
								Sp	25	MA
								Gn	60	MA
39.43	41.51	BN		-	NUL	1	Large interval of Phyllic/propylitic altered granodiorite with massive carbonate veins, veinlets, and stringers interconnecting in a net texture over entire interval. Net of carbonate veins is due to multiphase precipitation, observed by multiple carbonate veins and veinlets forming pervasively over top of previous carbonate vein injections. Within this interval, multipe quartz vein injections also appear. These veins have blebby sphalerite (black and honey brown), galena, and pyrite in association with the general area of the veins. This mineralization also overlaps with carbonate veining so it is difficult to distinguish a true association, but larger mineralization occurs in areas of both quartz and carbonate injection than carbonate veining on its own.			
								Gn	1	BL
								Sp	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	DI
39.71	39.73	BX	34	75	NUL	1	Smokey quartz breccia containing clasts of quartz, and phylilc altered granodiorite. Trace disseminated pyrite found throughout.			
								Py	0.1	DI
41.30	41.37	BX	34	75	NUL	1	Fine grained smokey quartz breccia. Has blebs of galena, and disseminated pyrite throughout. Clasts include quartz and phyllic altered granodiorite, and range in size from sand to pebble.			
								Py	1	DI
								Gn	1	BL
48.64	48.95	VN	37	50	NUL	1	Large 30 cm flooded quartz vein that has pervasively replaced host oxidized argillic altered granodiorite. Vein is weakly brecciated along its lower selvedge by carbonate veining. Flooded quartz vein hosts a 2cm vein of blebby pyrite. Vein has undergone oxidation and has slight pitting.			
								Py	5	BL
49.18	49.25	VN	37	45	NUL	1	Highly oxidized smokey quartz vein hosting disseminated pyrite.			
								Py	3	DI
49.64	49.96	VN	37	-	NUL	1	Quartz vein hosting disseminated pyrite. Found within an interval of highly oxidized argillic granodiorite. Upper selvedge displays slight gouge alteration due to it lying on the edge of a joint.			
								Py	1	DI
56.46	56.50	VN	37	45	NUL	1	Moderately phyllic altered granodiorite carrying a quartz carbonate vein. Vein hosts blebby galena, and blebby zoned honey brown sphalerite proximal to vein.			
								Gn	25	BL
								Sp	5	BL
57.63	59.56	VT	37	50	NUL	5	5 quartz carbonate veinlets hosting disseminated to sphalerite, pyrite, hematite.			
								Py	1	DI
								Sp	1	DI
								Gn	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
58.67	58.69	VN	37	65	NUL	1	1cm quartz carbonate vein crosscutting moderate propylitic/phyllic altered granodiorite. Vein hosts disseminated to blebby honey brown sphalerite, galena and pyrite, with trace moderate oxidation occuring around sulfide grains. Vein inersects another quartz carbonate vein at 70*TCA aong its upper selvedge which hosts disseminated to blebby honey brown sphalerite, pyrite, and minor galena			
								Py	10	BL
								Gn	20	BL
								Sp	10	BL
58.87	58.96	VN	37	65	NUL	1	Multiphase quartz carbonate vein. Vein consists of a smokey quartz vein enveloping and brecciating a zoned carbonate vein. The upper selvedge of this vein zone consists of a smokey quartz breccia that contains cabonate, galena, and sphalerite clasts. This leads into smokey quartz that has banded chalcedoney along both ends of the pulse. The smokey quartz/chalcedoney banding brecciates the the carbonate veining. Blebby pyrite, galena, and sphalerite are found along the lower selvedge of the vein, distal to smokey quartz/carbonate brecciation.			
								Ch	5	BN
								Sp	2	BL
								Gn	3	BL
								Py	4	BL
59.04	59.06	VN	37	60	NUL	1	Small quartz carbonate veinlet cross cutting moderately propylitic/phyllic altered granodiorite. A banded smokey quartz/chalcedony veinlet runs directly along the upper selvedge and is enveloped by the original quartz carbonate veinlet, and eventually transects the vein along a micro fault. Smokey quartz veinlet is weakly brecciated, carrying small sand sized clasts of carboante material. No present mineralization.			
64.84	69.75	VT	37	60	NUL	6	6 quartz carbonate ranging from 0.2 to 0.6cm cross cutting argillic to weak to moderately argillic/phyllic altered granodiorite. Veinlets host disseminated to slightly blebby galena, brown sphalerite, and pyrite.			
								Sp	10	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Gn	15	DI
								Py	10	DI
74.52	74.54	VN	37	50	NUL	1	Zoned carboante veinlet hosting disseminated honey brown sphalerite and galena distal to the veining.			
								Sp	1	DI
								Gn	1	DI
75.36	75.47	YV		75	NUL	1	BYG Vein found within argillic/phyllic altered granodiorite. Vein hosts massive galena, and zoned black to honey brown sphalerite, along with blebby arseno pyrite and pyrite. Quartz carbonate and carbonate stringers are founnd throughout vein and along the upper selvedge of the zone.			
								Gn	60	MA
								As	10	BL
								Sp	15	MA
								Py	10	BL
78.47	78.48	VT	37	40	NUL	1	Quartz carbonate veinlet found within phyllic altered granodiorite. Veinlet hosts blebby galena, sphalerite, and pyrite.			
								Gn	70	BL
								Sp	5	BL
								Py	10	BL
104.65	104.68	VT	37	40	NUL	1	Smokey quartz carbonate veinlet distal to larger quartz carbonate vein. Veinlet hosts blebby honey brown sphalerite, galena, and pyrite.			
								Sp	25	BL
								Gn	3	BL
								Py	5	BL
104.70	104.90	VN	37	40	NUL	1	Strongly phyllic altered phyllic granodiorite with moderate quartz flooding. Zone hosts an 18cm quartz carbonate vein. Quartz carbonate vein hosts semi-massive zoned honey brown sphalerite, blebby galena, blebby pyrite. Carbonate pervasively brecciates smokey quartz, and some sulfide mineralization.			
								Py	4	BL
								Gn	7	BL
								Sp	20	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
108.18	108.44	VN	37	85	NUL	1	20cm multiphase quartz/smokey quartz vein. An 8cm Smokey quartz within the entire vein zone hosts semi-massive blebby zoned honey brown sphalerite, and blebby galena, arsenopyrite, pyrite. The upper selvedge of the vein zone is highly gouge altered and brecciated smokey quartz, leading into bands of smokey quartz, phyllic granodiorite, and quartz that weakly brecciate eachother in upper selvedge of the main mineralized injection. This zone is weakly mineralized, but hosts disseminated pyrite and galena throughout the breccia.			
								As	3	BL
								Py	5	BL
								Gn	3	BL
								Sp	5	BL
109.16	109.21	VN	37	50	NUL	1	5cm quartz vein crosscutting moderate to strongly phyllic altered granodiorite. Vein hosts blebby pyrite, galena, honey brown sphalerite, arsenopyrite, and chalcopyrite.			
								Sp	4	BL
								Py	4	BL
								As	9	BL
								Gn	7	BL
109.88	109.92	VN	37	60	NUL	1	3cm quartz carbonate vein cross cutting moderately phyllic altered grandodiorite. Vein hosts Semi massive blebs of zoned honey brown sphalerite, blebby pyrite, and blebby galena.			
								Gn	5	BL
								Py	10	BL
								Sp	20	MA
111.71	111.73	VN	37	55	NUL	1	2cm quartz vein crosscutting moderately phyllic altered granodiorite. Vein hosts proximal blebby honey brown sphalerite and galena, as well as disseminated pyrite along the selvedges of the quartz vein.			
								Sp	3	BL
								Gn	2	BL
								Py	3	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
115.54	115.58	VN	37	85	NUL	1	Smokey quartz carbonate vein hosting disseminated to blebby honey brown sphalerite, pyrite, and minor disseminated galena.			
								Gn	1	DI
								Py	5	BL
								Sp	3	BL
124.47	124.51	VN	37	75	NUL	1	Quartz carbonate vein (1cm) with carbonate stringers along both selvedges of the vein. Vein hosts blebby sphalerite and minor disseminated galena and pyrite.			
								Sp	3	BL
								Py	0.5	DI
								Gn	0.5	DI
130.43	130.45	VN	37	30	NUL	1	quartz/chlorite vein hosting disseminated pyrite, hematite.			
								He	1	BL
								Py	0.1	DI
130.61	130.62	VN	37	80	NUL	1	Quartz carbonate vein hosting disseminated sphalerite.			
								Sp	0.1	DI
130.66	130.90	BX	34	-	NUL	1	Smokey quartz pervasively brecciating argillic/phyllic granodiorite. No mineralization present.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382701	6890033	1396.36	136.25

ZONE: Central BYG

SECTION:

HOLE: KL-16-308

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 7.62m, Out

Drilling Dates: Jul 07 - Jul 09, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.19	33.3	-50.3	Reflex
67.05	35.7	-50	Reflex

TARGET: Central BYG

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.13	2.13	OVB
2.13	7.81	5.68	OVB
7.81	11.36	3.55	GRD
11.36	17.06	5.7	QVN
17.06	18.51	1.45	QFP
18.51	19.81	1.3	GRD
19.81	20	0.19	FLR
20	60.5	40.5	GRD
60.5	61.27	0.77	QFP
61.27	66.72	5.45	QFP
66.72	69.62	2.9	QFP
69.62	74.55	4.93	GRD
74.55	74.91	0.36	SIL
74.91	84.66	9.75	GRD
84.66	91.53	6.87	GRD
91.53	105.23	13.7	GRD

SAMPLES	
Numbers:	K290579 to K290643
Total:	65
Batch:	028, 031, 034
Certificates:	TR16114052, TR16114056, TR16130330, VA16112568

COMMENTS

Down hole test from 67.05 m due to a clay seam and risk of losing tool.

105.23	128.91	23.68	GRD
128.91	136.25	7.34	GRD

Box Log

KL-16-308

Klaza
entral BYG Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	6.08
2	6.08	9.68
3	9.68	13.71
4	13.71	17.64
5	17.64	22.5
6	22.5	26.63
7	26.63	30.94
8	30.94	35.38
9	35.38	39.59
10	39.59	43.92
11	43.92	48.11
12	48.11	52.36
13	52.36	56.54
14	56.54	60.86
15	60.86	65.29
16	65.29	69.57
17	69.57	74.27
18	74.27	78.33
19	78.33	82.14
20	82.14	86.87
21	86.87	90.89
22	90.89	94.94
23	94.94	99.16
24	99.16	102.13
25	102.13	107.22
26	107.22	111.07
27	111.07	115.03
28	115.03	119.09
29	119.09	123.32
30	123.32	127.23
31	127.23	131.47
32	131.47	135.66
33	135.66	136.25

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-308									
	14.15	16	NQ2	QVN	853.4	530.1	2.51	2.6	Flooded quartz zone containing crosscutting veinlets and stringers of quartz and carbonate
	31.42	16	NQ2	GRD	854.5	545.4	2.51	2.8	Zone of moderately argillic/phyllic altered granodiorite. Zone has undergone strong oxidation throughout and displays higher fractures than other areas of the general lith. Zone contains quartz veins and veinlets hosting pyrite, hematite and magentite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	7.81	5.68	OVB	MG	Heavily weathered, oxidized, and broken down granodiorite.							
						MD	OR	RB	OXI	4I		
						MD	BR	FR	OXI	3I		
						LT	BR		OXI	5I		
						LT	OR					
						DK	BR					
7.81	11.36	3.55	GRD	MG	Granodiorite alternating between patches of weak propylitic alteration and patchy oxidation.							
						MD	BR	FR	PRO	3I		
						MD	GN					
						LT	BR	PA	PRO	2I		
						LT	OR		OXI	3I		
						LT	GN					
11.36	17.06	5.70	QVN	--	Argillic/phyllic altered granodiorite with a 6m quartz vein zone intersecting at 5-7 *TCA. Quartz vein displays strong oxidation in patches, which has begun to pit out both mineralization and fractures and joints. Flooded quartz zone contains crosscutting veinlets and stringers of quartz and carbonate. Vein zone carries sporadic mineralization, as well as brecciation. Quartz vein zone contains patches of phyllic granodiorite that have no been entirely replaced by quartz, but are patchy with flooded quartz. Contains pyrite and galena mineralization							
						MD	OR	PA	OXI	3I	Py	3
						MD	WH		SIL	5I		
						LT	OR	VU	OXI	4I	Gn	0.1
						LT	GN					
						DK	OR		CLY	3I		
17.06	18.51	1.45	QFP	--	Brown quartz feldspar porphyry dyke. Dyke displays patches of moderate oxidation, and geothite formation along micro fractures within dyke. Dyke contact hosts blebby galena.							
						LT	BR	PA	OXI	2I	Go	3
											Gn	0.5
18.51	19.81	1.30	GRD	MG	Quartz flooded granodiorite with moderate patchy oxidation and propylitic alteration.							
						LT	BR	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR		OXI	3I		
						LT	GN					
29.57	34.00	4.43	GRD	MG	Zone of moderately argillic/phyllic altered granodiorite. Zone has undergone strong oxidation throughout and displays higher fractures than other areas of the general lith. Zone contains quartz veins and veinlets hosting pyrite, hematite and magentite.							
						MD	BR		PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Ma	1
						LT	BR		ARG	2I	He	1
									ARG	3I		
									OXI	3I		
45.46	45.81	0.35	GRD	MG	Unaltered granodiorite. Rock is moderately magnetic.							
						MD	GY	---				
54.94	55.09	0.15	GRD	MG	Moderate argillic altered granodiorite with strong potassic overprinting. Displays dark red colour							
						MD	RD		POT	4I		
									ARG	3I		
61.27	66.72	5.45	QFP	--	Highlly fractured tan quartz feldspar porphyry dyke that has undergone moderate to high silicification. Dyke displays weak to moderate gouge alteration throughout.							
						LT	BR	PO				
66.72	69.62	2.90	QFP	--	Highly fractured tan quartz feldspar porphyry dyke that has undergone moderate to high silicification. Dyke displays weak to moderate gouge alteration throughout, as well as weak to slightly moderate gouge alteration.							
						LT	TN	PO	OXI	2I		
						LT	OR		SIL	2I		
						LT	BR		OXI	3I		
									SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
69.62	74.55	4.93	GRD	--	Highly faulted and gouge altered granodiorite. Granodiorite has undergone phyllic alteration (impossible to distinguish intensity, but green colour and associated mineralization present), strong quartz flooding, and silicification, but gouge alteration and faulting has destroyed any evidence of definitive rock structures. Rubbly smokey quartz veins are present throughout interval, with disseminated pyrite present along rubble vein zones. Trace amounts of disseminated galena and sphalerite are also found among sporadic faulted smokey quartz veins.							
						MD	GY	FR	SIL	3I	Gn	0.1
						LT	GN	RB	OXI	1I	Py	8
						LT	OR		SIL	4I	Sp	0.1
74.55	74.91	0.36	SIL	--	Brown silicious dyke. Zone of competent rock within heavily faulted and gouge altered granodiorite.							
						LT	BR	PO	SIL	2I		
									SIL	3I		
74.91	77.66	2.75	GRD	MG	Severely faulted and gouge altered granodiorite. Granodiorite shows patchy moderately argillic altered with trace phyllic overprinting, that alternate with strong to intense quartz flooding and silicification. A portion of tranned to brown quartz feldspar porphyry dyke is found within interval that has been weakly silicifed. Smokey quartz veins and veinets are present, but are also xdtremely gouge altered and faulted. Vein zones display weak disseminated pyrite and tourmaline.							
						MD	WH		SIL	4I	To	0.1
						LT	GN	PO	SIL	3I	Py	0.1
						LT	BR		SIL	5I		
									PHC	1I		
77.66	78.68	1.02	QFP	--	Highly fractured zone of brown quartz feldspar porphyry dyke.							
						LT	BR					
84.66	91.53	6.87	GRD	MG	Granodiorite that has been weakly quartz flooded. Granodiorite displays patchy weak to moderate phyllic, argillic/phyllic, and propylitic alteration throughout.							
						MD	GN		ARG	3I		
						MD	WH		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	ARG	2I		
									PHC	3I		
									PRO	2I		
91.53	105.23	13.70	GRD	MG	Moderate to strongly gouge altered granodiorite. Granodiorite shows patchy rubble zones. Quartz veins intersects phyllic altered granodiorite with blebby galena.							
						MD	GY	RB	ARG	3I		
						MD	WH	FR				
						LT	GN	PA	PHC	2I		
105.23	108.11	2.88	GRD	MG	Alternating patches of altered granodiorite. Alteration ranges from moderate argillic/phyllic, moderate to strong propylitic, and moderate to strong propylitic/phyllic altered granodiorite. Quartz flooding and silicification is present in sporadic patches throughout the interval, with mineralization occuring in veins found in propylitic phyllic altered granodiorite. Mineralization is also found sporadically disseminated throughout some intervals of phyllic altered granodiorite.							
						MD	GN		PHC	3I	Gn	1
						LT	GN	PA	PHC	2I	Py	1
						LT	RD		PHC	4I	Sp	1
									PRO	2I		
									ARG	3I		
									PRO	3I		
									ARG	2I		
124.72	124.82	0.10	VEN	--	Vein of quartz and tan ankerite crusscutting moderately phyllic altered granodiorite at 20*TCA.							
						LT	TN		PHC	3I		
						LT	GN					
127.53	127.81	0.28	GRD	MG	Strongly silicified phyllic altered granodiorite. Carries a smokey quartz vein along the selvedge of a joint. Lower selvedge of the vein until the end of the zone hosts trace disseminated pyrite and tourmaline within the phyllic altered granodiorite.							
						MD	GN		SIL	3I	Py	1
						LT	GN		PHC	3I	To	1
128.91	136.25	7.34	GRD	MG	Unaltered granodiorite. Contains carbonate joint infill.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	7.81	5.68	OVB	MG	Heavily weathered, oxidized, and broken down granodiorite.							
						MD	BR	FR	OXI	3I		
						MD	OR	RB	OXI	4I		
						LT	BR		OXI	5I		
						LT	OR					
						DK	BR					
7.81	11.36	3.55	GRD	MG	Granodiorite alternating between patches of weak propylitic alteration and patchy oxidation.							
						MD	BR	FR	PRO	3I		
						MD	GN					
						LT	OR		OXI	3I		
						LT	BR	PA	PRO	2I		
						LT	GN					
11.36	17.06	5.70	QVN	--	Argillic/phyllic altered granodiorite with a 6m quartz vein zone intersecting at 5-7 *TCA. Quartz vein displays strong oxidation in patches, which has begun to pit out both mineralization and fractures and joints. Flooded quartz zone contains crosscutting veinlets and stringers of quartz and carbonate. Vein zone carries sporadic mineralization, as well as brecciation. Quartz vein zone contains patches of phyllic granodiorite that have no been entirely replaced by quartz, but are patchy with flooded quartz. Contains pyrite and galena mineralization							
						LT	GN					
						MD	OR	PA	OXI	3I	Py	3
						LT	OR	VU	OXI	4I	Gn	0.1
						DK	OR		CLY	3I		
						MD	WH		SIL	5I		
17.06	18.51	1.45	QFP	--	Brown quartz feldspar porphyry dyke. Dyke displays patches of moderate oxidation, and geothite formation along micro fractures within dyke. Dyke contact hosts blebby galena.							
											Gn	0.5
						LT	BR	PA	OXI	2I	Go	3
18.51	19.81	1.30	GRD	MG	Quartz flooded granodiorite with moderate patchy oxidation and propylitic alteration.							
						LT	OR		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BR	PA	PRO	2I		
						LT	GN					
19.81	20.00	0.19	FLR	--	Extremely broken down zone of tan fault gouge. Gouge resembles extremely soft clay.							
						LT	TN	RB				
20.00	60.50	40.50	GRD	MG	Patchy zones of granodiorite alternating between weak to moderate propylitic argillic alteration, weak to moderate argillic/phyllic alteration, moderate argillic alteration, argillic/potassic alteration, and unaltered granodiorite. Patchy zones of moderate to strong oxidation and weak to moderate gouge alteration occur throughout. Zone contains mineralization.							
						LT	RD		POT	2I		
						DK	GY	RB	PRO	2I		
						MD	GN	FR	PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	BR		ARG	2I		
						LT	OR		OXI	3I		
						MD	BR		ARG	3I		
						MD	WH		PRO	3I		
						MD	OR		OXI	2I		
61.27	66.72	5.45	QFP	--	Highly fractured tan quartz feldspar porphyry dyke that has undergone moderate to high silicification. Dyke displays weak to moderate gouge alteration throughout.							
						LT	BR	PO				
66.72	69.62	2.90	QFP	--	Highly fractured tan quartz feldspar porphyry dyke that has undergone moderate to high silicification. Dyke displays weak to moderate gouge alteration throughout, as well as weak to slightly moderate gouge alteration.							
									SIL	3I		
						LT	OR		SIL	2I		
						LT	TN	PO	OXI	2I		
						LT	BR		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
69.62	74.55	4.93	GRD	--	Highly faulted and gouge altered granodiorite. Granodiorite has undergone phyllic alteration (impossible to distinguish intensity, but green colour and associated mineralization present), strong quartz flooding, and silicification, but gouge alteration and faulting has destroyed any evidence of definitive rock structures. Rubbly smokey quartz veins are present throughout interval, with disseminated pyrite present along rubble vein zones. Trace amounts of disseminated galena and sphalerite are also found among sporadic faulted smokey quartz veins.							
						MD	GY	FR	SIL	3I	Gn	0.1
						LT	OR		SIL	4I	Sp	0.1
						LT	GN	RB	OXI	1I	Py	8
74.55	74.91	0.36	SIL	--	Brown silicious dyke. Zone of competent rock within heavily faulted and gouge altered granodiorite.							
						LT	BR	PO	SIL	2I		
									SIL	3I		
74.91	84.66	9.75	GRD	--	Severely faulted and gouge altered granodiorite. Granodiorite shows patchy moderately argillic altered with trace phyllic overprinting, that alternate with strong to intense quartz flooding and silicification. A portion of tranned to brown quartz feldspar porphyry dyke is found within interval that has been weakly silicifed. Smokey quartz veins and veinets are present, but are also xdtremely gouge altered and faulted. Vein zones display weak disseminated pyrite and tourmaline.							
						LT	BR		SIL	5I		
						LT	GN	PO	SIL	3I	Py	0.1
									PHC	1I		
						MD	WH		SIL	4I	To	0.1
84.66	91.53	6.87	GRD	MG	Granodiorite that has been weakly quartz flooded. Granodiorite displays patchy weak to moderate phyllic, argillic/phyllic, and propylitic alteration throughout.							
									PHC	3I		
									PRO	2I		
						LT	GN	PA	ARG	2I		
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PHC	2I		
91.53	105.23	13.70	GRD	MG	Moderate to strongly gouge altered granodiorite. Granodiorite shows patchy rubble zones. Quartz veins intersects phyllic altered granodiorite with blebby galena.							
						MD	WH	FR				
						MD	GY	RB	ARG	3I		
						LT	GN	PA	PHC	2I		
105.23	128.91	23.68	GRD	MG	Alternating patches of altered granodiorite. Alteration ranges from moderate argillic/phyllic, moderate to strong propylitic, and moderate to strong propylitic/phyllic altered granodiorite. Moderate to strong quartz flooding and silicification is present throughout the interval, with mineralization occuring in veins found in propylitic phyllic altered granodiorite. Mineralization is also found sporadically disseminated throughout occasional intervals of phyllic altered granodiorite.							
									ARG	3I		
									ARG	2I		
									PRO	3I		
									PRO	2I		
						LT	RD		PHC	4I	Sp	1
						MD	GN		PHC	3I	Gn	1
						LT	GN	PA	PHC	2I	Py	1
128.91	136.25	7.34	GRD	MG	Unaltered granodiorite. Contains carbonate joint infill.							
						MD	GY					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0	0	0.00	0	--	--	--	Overburden
2.13	5.18	3.05	1.13	37	0.21	7	--	1H	5W	
5.18	8.23	3.05	2.05	67	0.87	29	--	2H	5W	
8.23	11.28	3.05	2.83	93	1.46	48	--	3H	3W	
11.28	14.33	3.05	2.92	96	2.09	69	--	1H	5W	
14.33	17.37	3.04	2.67	88	1.69	56	--	2H	4W	
17.37	20.42	3.05	1.32	43	0.35	11	--	1H	3W	15 cm sand seam
20.42	23.47	3.05	2.91	95	2.16	71	--	3H	2W	
23.47	26.52	3.05	2.81	92	1.83	60	--	1H	3W	
26.52	29.57	3.05	2.73	90	1.75	57	--	2H	3W	
29.57	32.61	3.04	2.73	90	1.26	41	--	3H	4W	
32.61	35.66	3.05	2.84	93	1.05	34	--	3H	4W	
35.66	38.71	3.05	2.82	92	2.09	69	--	3H	2W	
38.71	41.76	3.05	2.95	97	1.61	53	--	3H	1W	
41.76	44.81	3.05	3.03	99	2.99	98	--	3H	1W	
44.81	47.85	3.04	2.66	88	1.03	34	--	2H	1W	
47.85	50.90	3.05	3.03	99	2.47	81	--	3H	1W	
50.90	53.95	3.05	2.83	93	2.47	81	--	3H	1W	
53.95	57.00	3.05	2.88	94	2.42	79	--	3H	1W	
57.00	60.05	3.05	2.57	84	1.32	43	--	2H	2W	Rubble and clay zone near end of interval
60.05	63.09	3.04	3.04	100	2.27	75	--	2H	1W	
63.09	66.14	3.05	2.8	92	1.61	53	--	1H	1W	
66.14	69.14	3.00	2.84	95	0.00	0	--	1H	3W	fault zone
69.14	72.24	3.10	2.62	85	0.00	0	--	1H	2W	fault zone and short interval
72.24	75.23	2.99	2.62	88	0.00	0	--	1H	2W	Fault zone and short interval
75.23	78.33	3.10	2.74	88	0.14	5	--	1H	2W	fault zone
78.33	81.38	3.05	1.99	65	0.00	0	--	1H	2W	fault zone
81.38	84.43	3.05	1.66	54	0.00	0	--	1H	1W	fault zone
84.43	87.48	3.05	2.75	90	0.35	11	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.72	89	1.78	58	--	3H	1W	
90.53	93.57	3.04	2.62	86	0.68	22	--	1H	1W	
93.57	96.62	3.05	2.29	75	0.00	0	--	1H	1W	fault zone
96.62	99.67	3.05	2.03	67	0.00	0	--	1H	1W	fault zone
99.67	102.72	3.05	2.45	80	0.00	0	--	1H	1W	fault zone
102.72	105.77	3.05	2.31	76	0.00	0	--	1H	1W	fault zone
105.77	108.81	3.04	2.73	90	1.77	58	--	2H	1W	
108.81	111.86	3.05	2.83	93	1.44	47	--	2H	1W	
111.86	114.91	3.05	2.79	91	1.10	36	--	2H	1W	
114.91	117.96	3.05	2.77	91	1.69	55	--	4H	1W	
117.96	121.01	3.05	2.45	80	0.94	31	--	2H	1W	
121.01	124.05	3.04	3.01	99	1.75	58	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.20	72	--	3H	1W	
127.10	130.15	3.05	2.96	97	1.78	58	--	2H	1W	
130.15	133.20	3.05	2.94	96	1.33	44	--	3H	1W	
133.20	136.25	3.05	2.72	89	2.16	71	--	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	
2	12.54	OVB	
3	0	OVB	
4	0.477	OVB	
5	0.339	OVB	
6	0.305	OVB	
7	0.54	OVB	
8	0.593	GRD	
9	0.441	GRD	
10	0.285	GRD	
11	0.269	GRD	
12	0.114	QVN	
13	0.191	QVN	
14	0.122	QVN	
15	0.137	QVN	
16	0.189	QVN	
17	0.113	QVN	
18	0.044	QFP	
19	0.417	GRD	
20	0.259	FLR	
20	0.259	GRD	
21	0.247	GRD	
22	0.289	GRD	
23	0.816	GRD	
24	0.417	GRD	
25	0.752	GRD	
26	0.4	GRD	
27	0.423	GRD	
28	0.307	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.601	GRD	
30	0.387	GRD	
31	1.463	GRD	
32	0.27	GRD	
33	1.37	GRD	
34	0.88	GRD	
35	0.551	GRD	
36	0.716	GRD	
37	0.884	GRD	
38	0.579	GRD	
39	0.302	GRD	
40	0.382	GRD	
41	0.422	GRD	
42	0.736	GRD	
43	0.586	GRD	
44	1.37	GRD	
45	0.662	GRD	
46	1.283	GRD	
47	0.322	GRD	
48	0.433	GRD	
49	0.485	GRD	
50	0.456	GRD	
51	0.164	GRD	
52	0.586	GRD	
53	0.261	GRD	
54	1.575	GRD	
55	0.388	GRD	
56	0.798	GRD	
57	0.641	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.516	GRD	
59	0.287	GRD	
60	0.255	GRD	
61	0.139	QFP	
62	0.122	QFP	
63	0.054	QFP	
64	0.058	QFP	
65	0.053	QFP	
66	0.044	QFP	
67	0.093	QFP	
68	0.046	QFP	
69	0.045	QFP	
70	0.106	GRD	
71	0.235	GRD	
72	0.345	GRD	
73	0.432	GRD	
74	0.102	GRD	
75	0.129	GRD	
76	0.542	GRD	
77	0.58	GRD	
78	0	GRD	no whole core
79	0.155	GRD	
80	0.247	GRD	
81	0.214	GRD	
82	0.282	GRD	
83	0.525	GRD	
84	0.23	GRD	
85	0.597	GRD	
86	0.764	GRD	
87	0.679	GRD	
88	0.478	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.74	GRD	
90	0.843	GRD	
91	0.902	GRD	
92	0.322	GRD	
93	0.397	GRD	
94	0.325	GRD	
95	0.413	GRD	
96	0.258	GRD	
97	0.284	GRD	
98	0.603	GRD	
99	0.519	GRD	
100	0.685	GRD	
101	0.593	GRD	
102	0.367	GRD	
103	0.346	GRD	
104	0.446	GRD	
105	0.341	GRD	
106	1.271	GRD	
107	0.61	GRD	
108	2.826	GRD	
109	3.377	GRD	
110	0.429	GRD	
111	0.244	GRD	
112	0.217	GRD	
113	0.414	GRD	
114	0.232	GRD	
115	0.388	GRD	
116	0.441	GRD	
117	0.398	GRD	
118	0.448	GRD	
119	0.253	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	0.336	GRD	
121	0.231	GRD	
122	0.268	GRD	
123	0.384	GRD	
124	0.41	GRD	
125	0.608	GRD	
126	5.16	GRD	
127	0.287	GRD	
128	0.5	GRD	
129	21.4	GRD	
130	29.3	GRD	
131	0	GRD	to fractured to mag
132	26.1	GRD	
133	0	GRD	to fractured to mag
134	18.3	GRD	
135	32.1	GRD	
136	25.1	GRD	EOH

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290589	☐	16-031			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290604	☐	16-031		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290609	☐	16-031			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290620	☐	16-034		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290625	☐	16-034			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290638	☐	16-034			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290582	☐	16-031		KL-STD5	☐	☐	☐
9.37	10.14	0.77	GRD	0.51	66	K290579	☐	16-028			☐	☐	☐
10.14	10.80	0.66	GRD	0.66	100	K290580	☐	16-028			☐	☐	☐
10.80	11.28	0.48	GRD	0.48	100	K290581	☐	16-031			☐	☐	☐
11.28	12.11	0.83	GRD	0.83	100	K290583	☐	16-031			☐	☐	☐
12.11	12.98	0.87	QVN	0.87	100	K290584	☐	16-031			☐	☐	☐
12.98	13.67	0.69	QVN	0.69	100	K290585	☐	16-031			☐	☐	☐
13.67	14.27	0.60	QVN	0.60	100	K290586	☐	16-031			☐	☐	☐
14.27	14.86	0.59	QVN	0.55	93	K290587	☐	16-031			☐	☐	☐
14.86	15.69	0.83	QVN	0.83	100	K290588	☐	16-031			☐	☐	☐
15.69	16.86	1.17	QVN	1.09	93	K290590	☐	16-031			☐	☐	☐
16.86	17.37	0.51	QVN	0.51	100	K290591	☐	16-031			☐	☐	☐
17.37	18.12	0.75	QFP	0.75	100	K290592	☐	16-031			☐	☐	☐
18.12	20.42	2.30	QFP	1.15	50	K290593	☐	16-031			☐	☐	☐
20.42	23.47	3.05	GRD	3.02	99	K290594	☐	16-031			☐	☐	☐
20.42	23.47	3.05	GRD	3.02	99	K290595	☐	16-031			☐	☑	☐
23.47	24.45	0.98	GRD	0.98	100	K290596	☐	16-031			☐	☐	☐
24.45	24.95	0.50	GRD	0.50	100	K290597	☐	16-031			☐	☐	☐
24.95	25.45	0.50	GRD	0.50	100	K290598	☐	16-031			☐	☐	☐
25.45	26.06	0.61	GRD	0.58	95	K290599	☐	16-031			☐	☐	☐
26.06	26.63	0.57	GRD	0.56	98	K290600	☐	16-031			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
56.00	56.55	0.55	GRD	0.53	96	K290601	☐	16-031			☐	☐	☐
56.55	57.21	0.66	GRD	0.66	100	K290602	☐	16-031			☐	☐	☐
57.21	57.79	0.58	GRD	0.58	100	K290603	☐	16-031			☐	☐	☐
57.79	58.29	0.50	GRD	0.50	100	K290605	☐	16-031			☐	☐	☐
58.29	58.90	0.61	GRD	0.61	100	K290606	☐	16-031			☐	☐	☐
58.90	59.44	0.54	GRD	0.54	100	K290607	☐	16-031			☐	☐	☐
59.44	60.13	0.69	GRD	0.55	80	K290608	☐	16-031			☐	☐	☐
60.13	60.93	0.80	GRD	0.65	81	K290610	☐	16-031			☐	☐	☐
60.93	61.43	0.50	QFP	0.50	100	K290611	☐	16-031			☐	☐	☐
61.43	61.97	0.54	QFP	0.54	100	K290612	☐	16-031			☐	☐	☐
61.43	61.97	0.54	QFP	0.54	100	K290613	☐	16-031			☐	☐	☑
61.97	62.47	0.50	QFP	0.50	100	K290614	☐	16-031			☐	☐	☐
62.47	62.97	0.50	QFP	0.50	100	K290615	☐	16-031			☐	☐	☐
62.97	63.50	0.53	QFP	0.53	100	K290616	☐	16-031			☐	☐	☐
63.50	66.14	2.64	QFP	2.53	96	K290617	☐	16-034			☐	☐	☐
66.14	68.47	2.33	QFP	2.20	94	K290618	☐	16-034			☐	☐	☐
68.47	69.00	0.53	QFP	0.53	100	K290619	☐	16-034			☐	☐	☐
69.00	69.63	0.63	QFP	0.58	92	K290621	☐	16-034			☐	☐	☐
69.63	70.34	0.71	GRD	0.71	100	K290622	☐	16-034			☐	☐	☐
70.34	71.12	0.78	GRD	0.69	88	K290623	☐	16-034			☐	☐	☐
71.12	71.88	0.76	GRD	0.76	100	K290624	☐	16-034			☐	☐	☐
71.88	72.54	0.66	GRD	0.66	100	K290626	☐	16-034			☐	☐	☐
72.54	73.84	1.30	GRD	1.30	100	K290627	☐	16-034			☐	☐	☐
73.84	74.38	0.54	GRD	0.54	100	K290628	☐	16-034			☐	☐	☐
74.38	74.99	0.61	GRD	0.51	84	K290629	☐	16-034			☐	☐	☐
74.99	76.00	1.01	GRD	0.51	50	K290630	☐	16-034			☐	☐	☐
76.00	76.50	0.50	GRD	0.50	100	K290631	☐	16-034			☐	☐	☐
114.91	115.42	0.51	GRD	0.51	100	K290632	☐	16-034			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
114.91	115.42	0.51	GRD	0.51	100	K290633	☐	16-034			☐	☑	☐
115.42	115.97	0.55	GRD	0.55	100	K290634	☐	16-034			☐	☐	☐
115.97	116.47	0.50	GRD	0.50	100	K290635	☐	16-034			☐	☐	☐
116.47	116.97	0.50	GRD	0.50	100	K290636	☐	16-034			☐	☐	☐
116.97	117.47	0.50	GRD	0.50	100	K290637	☐	16-034			☐	☐	☐
117.47	117.96	0.49	GRD	0.49	100	K290639	☐	16-034			☐	☐	☐
117.96	121.01	3.05	GRD	2.58	85	K290640	☐	16-034			☐	☐	☐
121.01	121.51	0.50	GRD	0.50	100	K290641	☐	16-034			☐	☐	☐
121.01	121.51	0.50	GRD	0.50	100	K290642	☐	16-034			☐	☐	☑
121.51	122.02	0.51	GRD	0.51	100	K290643	☐	16-034			☐	☐	☐

KL-16-308
Central BYG

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	9.37			☐	☐	☐	☐	
16-031	K290582	0.00	0.00	0.87	990	☐	☐	☐	☑ KL-STD5	
16-031	K290589	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-031	K290604	0.00	0.00	0.38	400	☐	☐	☐	☑ KL-STD4	
16-031	K290609	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-034	K290620	0.00	0.00	0.34	470	☐	☐	☐	☑ KL-STD4	
16-034	K290625	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-034	K290638	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-028	K290579	9.37	10.14	0.00	1080	☐	☐	☐	☐	
16-028	K290580	10.14	10.80	0.06	700	☐	☐	☐	☐	
16-031	K290581	10.80	11.28	0.06	810	☐	☐	☐	☐	
16-031	K290583	11.28	12.11	0.18	330	☐	☐	☐	☐	
16-031	K290584	12.11	12.98	0.63	620	☐	☐	☐	☐	
16-031	K290585	12.98	13.67	0.59	720	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-031	K290586	13.67	14.27	0.24	490	☐	☐	☐	☐	
16-031	K290587	14.27	14.86	0.11	270	☐	☐	☐	☐	
16-031	K290588	14.86	15.69	0.03	2070	☐	☐	☐	☐	
16-031	K290590	15.69	16.86	0.02	1480	☐	☐	☐	☐	
16-031	K290591	16.86	17.37	0.09	2800	☐	☐	☐	☐	
16-031	K290592	17.37	18.12	0.00	490	☐	☐	☐	☐	
16-031	K290593	18.12	20.42	0.00	1180	☐	☐	☐	☐	
16-031	K290594	20.42	23.47	0.01	1640	☐	☐	☐	☐	
16-031	K290595	20.42	23.47	0.01	1700	☑	☐	☐	☐	
16-031	K290596	23.47	24.45	0.01	1880	☐	☐	☐	☐	
16-031	K290597	24.45	24.95	0.00	1720	☐	☐	☐	☐	
16-031	K290598	24.95	25.45	0.38	840	☐	☐	☐	☐	
16-031	K290599	25.45	26.06	0.01	1920	☐	☐	☐	☐	
16-031	K290600	26.06	26.63	0.00	1890	☐	☐	☐	☐	
		26.63	56.00			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-031	K290601	56.00	56.55	0.00	2430	☐	☐	☐	☐	
16-031	K290602	56.55	57.21	0.00	1730	☐	☐	☐	☐	
16-031	K290603	57.21	57.79	0.08	2660	☐	☐	☐	☐	
16-031	K290605	57.79	58.29	0.00	1590	☐	☐	☐	☐	
16-031	K290606	58.29	58.90	0.00	1530	☐	☐	☐	☐	
16-031	K290607	58.90	59.44	0.00	1880	☐	☐	☐	☐	
16-031	K290608	59.44	60.13	0.21	550	☐	☐	☐	☐	
16-031	K290610	60.13	60.93	0.01	2170	☐	☐	☐	☐	
16-031	K290611	60.93	61.43	0.20	2020	☐	☐	☐	☐	
16-031	K290612	61.43	61.97	0.01	220	☐	☐	☐	☐	
16-031	K290613	61.43	61.97	0.01	190	☐	☑	☐	☐	
16-031	K290614	61.97	62.47	0.03	570	☐	☐	☐	☐	
16-031	K290615	62.47	62.97	0.00	360	☐	☐	☐	☐	
16-031	K290616	62.97	63.50	0.00	480	☐	☐	☐	☐	
16-034	K290617	63.50	66.14	0.01	1330	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-034	K290618	66.14	68.47	0.01	880	☐	☐	☐	☐	
16-034	K290619	68.47	69.00	0.01	890	☐	☐	☐	☐	
16-034	K290621	69.00	69.63	0.01	660	☐	☐	☐	☐	
16-034	K290622	69.63	70.34	0.17	630	☐	☐	☐	☐	
16-034	K290623	70.34	71.12	0.40	500	☐	☐	☐	☐	
16-034	K290624	71.12	71.88	0.68	940	☐	☐	☐	☐	
16-034	K290626	71.88	72.54	0.04	1020	☐	☐	☐	☐	
16-034	K290627	72.54	73.84	0.05	700	☐	☐	☐	☐	
16-034	K290628	73.84	74.38	0.02	260	☐	☐	☐	☐	
16-034	K290629	74.38	74.99	0.03	970	☐	☐	☐	☐	
16-034	K290630	74.99	76.00	0.04	1640	☐	☐	☐	☐	
16-034	K290631	76.00	76.50	0.04	2680	☐	☐	☐	☐	
		76.50	######			☐	☐	☐	☐	
16-034	K290632	114.91	115.42	0.01	820	☐	☐	☐	☐	
16-034	K290633	114.91	115.42	0.01	890	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-034	K290634	115.42	115.97	0.00	700	☐	☐	☐	☐	
16-034	K290635	115.97	116.47	0.01	920	☐	☐	☐	☐	
16-034	K290636	116.47	116.97	0.06	1230	☐	☐	☐	☐	
16-034	K290637	116.97	117.47	0.33	510	☐	☐	☐	☐	
16-034	K290639	117.47	117.96	0.00	620	☐	☐	☐	☐	
16-034	K290640	117.96	121.01	0.00	1360	☐	☐	☐	☐	
16-034	K290641	121.01	121.51	0.02	2350	☐	☐	☐	☐	
16-034	K290642	121.01	121.51	0.02	2110	☐	☑	☐	☐	
16-034	K290643	121.51	122.02	0.03	650	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
11.36	17.06	VN	37	10	NUL	1	Argillic/phyllic altered granodiorite with a 6m quartz vein zone intersecting at 7-10 *TCA. Quartz vein displays strong oxidation in patches, which has begun to pit out both sulfide mineralization and fractures and joints. Flooded quartz zone contains crosscutting veinlets and stringers of quartz and carbonate. Vein zone carries sporadic mineralization, as well as smokey quartz brecciation. Quartz vein zone contains patches of phyllic granodiorite that have no been entirely replaced by quartz, but are patchy with flooded quartz. Disseminated to disseminated blebs of pyrite can be found throughout, in concentractions along quartz/carbonate veining that overprints the initial quartz vein stage. Minor blebs of galena can be found along the lower selvedge of the vein, distal to a gradational quartz feldspar porphyry dyke contact.			
								Gn	1	BL
								Py	2	BL
12.34	13.37	VN	37	10	NUL	1	Oxidation along massive quartz vein structure. Oxidation and weathering have created a pitted texture along the length of this interval along joint and fracture planes, as well as areas of past mineralization. Sulfides have been noticeably weathered and rotted away, leaving behind pitted cubic and mineral shapes. Minor blebby pyrite remains.			
								Py	3	BL
14.45	14.72	VB	37	-	NUL	1	Black smokey quartz pervasively brecciating quartz vein. Breccia contains small pebble sized quartz clasts, and hosts blebby pyrite. Fractures eminating from breccia have smokey quartz and pyrite mineralization persent. Patchy carbonate injection overprints and weakly brecciates a portion of the main breccia.			
								Py	7	BL
15.36	15.52	VN	37	15	NUL	1	Shallow dipping quartz carbonate vein intruding main quartz vein. Hosts diseminated pyrite throughout.			
								Py	10	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
17.06	17.17	DY	37	-	NUL	1	Dyke contact with weak gouge alteration. Hosts minor blebs of galena. Along contact with massive quartz vein..			
								Gn	1	BL
25.07	25.54	GO	34	-	NUL	1	Moderately gouge altered granodiorite with the remnants of a quartz vein present.			
30.04	30.18	VN	37	15	NUL	1	Weakly argillic/phyllic altered granodiorite carrying a quartz vein. Vein hosts blebby pyrite.			
31.42	31.64	VN	37	10	NUL	1	Quartz vein cross cutting weak argillic/phyllic altered granodiorite. Vein hosts blebby pyrite, and disseminated tourmaline.			
								To	0.5	BL
								Py	3	BL
47.68	47.85	VN	37	-	NUL	1	Quartz flooded granodiorite hosting blebby pyrite and tourmaline			
								To	5	BL
								Py	3	BL
59.75	60.05	VN	37	-	NUL	1	Strongly gouge altered quartz vein. Hosts dissminated pyrite and tourmaline throughout. Trace oxidation present along upper selvedge.			
								Py	1	DI
								To	1	DI
60.50	61.27	DY	37	-	NUL	1	Strongly gouge altered quartz feldspar dyke conact. Carries broken down quartz veins with no present mineralization.			
61.96	62.16	VB	37	-	NUL	1	Smokey quartz pervasively intruding brown silicified quartz feldspar porphyry dyke. Smokey quartz is weakly brecciated, but moderately gouge altered so clasts and textures are difficult to confidently identify. Veinlet eminates from smokey quartz.			
69.75	73.80	VB	37	40	NUL	10	Severely faulted and gouge altered granodiorite displaying trace phyllic alteration. Gouge altered granodiorite contains 10 broken down smokey quartz veins, veinlets, and stringers at ~40*TCA. Smokey quartz veins host trace disseminated to slightly blebby galena, sphalerite, and pyrite			
								Sp	1	DI
								Gn	1	DI
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
101.96	102.04	VN	37	-	NUL	1	Shallow dipping quartz vein carried by weakly phyllic and quartz flooded granodiorite that has undergone weak gouge alteration. Attitude of vein is unmeasurable due to rock breakdown. Quartz vein hosts blebby galena, brown sphalerite, and disseminated pyrite.			
								Gn	7	BL
								Sp	2	BL
								Py	1	DI
105.37	105.41	VN	37	75	NUL	1	Smokey quartz/carbonate vein carried by moderately argillic/phyllic altered granodiorite. Vein hosts disseminated blebs of galena, honey brown sphalerite, and disseminated pyrite.			
								Sp	1	BL
								Py	1	DI
								Gn	2	BA
117.22	117.25	VN	37	75	NUL	1	Smokey quartz carbonate vein carried by propylitic altered granodiorite. Vein hosts disseminated pyrite and galena.			
								Py	2	DI
								Gn	2	DI
117.29	117.32	VN	37	70	NUL	1	Smokey quartz carbonate vein carried by quartz flooded moderately propylitic altered granodiorite. Vein hosts disseminated galena and pyrite. Vein is intersected by a small smokey quartz filled stringer running at 50*TCA (opposite direction).			
								Py	1	DI
								Py	1	DI
121.62	121.64	VT	37	25	NUL	1	Smokey quartz veinlet crosscutting quartz flooded argillic altered granodiorite with phyllic to weakly propylitic overprinting. Vein hosts disseminated honey sphalerite, galena, and pyrite. Veinlet intersected a quartz flooded vein 85*TCA hosting similar mineralization.			
								Py	1	DI
								Sp	2	DI
								Gn	2	DI
123.18	123.19	VT	37	50	NUL	1	Tan ankerite veinlet (0.3cm) carried by phyllic altered grandiorite that has been moderately quartz flooded. Hosts dissemianted sphalerite			
								Sp	60	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
123.35	123.36	VT	37	85	NUL	1	Phyllic altered granodiorite carrying a quartz carbonate vein. Vein hosts blebby honey brown sphalerite, and disseminated galena and pyrite.			
								Sp	25	BL
								Gn	5	DI
								Py	15	DI
135.65	135.66	VT	37	60	NUL	1	Quartz carbonate veinlet (0.5cm) carried by unaltered granodiorite. Carries minor disseminated pyrite. Found within an argillic/propylitic altered halo.			
								Py	1	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383855	6888489	1253.58	428.85

ZONE: Exploration

SECTION:

HOLE: KL-16-309

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ-NQ2

Casing Depth: 24.38m, Out

Drilling Dates: Jul 08 - Jul 14, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	195.8	-4.4	Reflex
428.85	45.3	-50.7	Reflex

TARGET: Kelly

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	9.45	9.45	OVB
9.45	16.55	7.1	POR
16.55	24.8	8.25	POR
24.8	36.96	12.16	POR
36.96	74.9	37.94	POR
74.9	122.64	47.74	POR
122.64	125.19	2.55	POR
125.19	129.85	4.66	QFP
129.85	157.82	27.97	POR
157.82	168.19	10.37	POR
168.19	170.06	1.87	POR
170.06	182.13	12.07	POR
182.13	183.34	1.21	POR
183.34	188.44	5.1	POR
188.44	191.61	3.17	QFP
191.61	198.56	6.95	POR

SAMPLES	
Numbers:	S047153 to S047373
Total:	221
Batch:	037, 039, 042, 043, 045, 046, 048
Certificates:	VA16117081, VA16117084, VA16117087, VA16117089, VA16118735, VA16121837, VA16121838, VA16129533

COMMENTS

198.56	224.64	26.08	POR
224.64	232.24	7.6	POR
232.24	264.24	32	GRD
264.24	270.01	5.77	QFP
270.01	283.82	13.81	GRD
283.82	285.9	2.08	QFP
285.9	288.97	3.07	GRD
288.97	291.09	2.12	QFP
291.09	292.33	1.24	GRD
292.33	342.31	49.98	GRD
342.31	343.68	1.37	GRD
343.68	375.52	31.84	GRD
375.52	387.02	11.5	QFP
387.02	388.3	1.28	GRD
388.3	392.93	4.63	GRD
392.93	394.14	1.21	GRD
394.14	398.37	4.23	QFP
398.37	400.6	2.23	GRD
400.6	402.8	2.2	GRD
402.8	406.91	4.11	GRD
406.91	409.62	2.71	GRD
409.62	417.83	8.21	QFP
417.83	421.97	4.14	GRD
421.97	427.9	5.93	GRD
427.9	428.85	0.95	GRD

Box Log

KL-16-309

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.64	6.4
2	6.4	9.45
3	9.45	13.23
4	13.23	16.55
5	16.55	20.65
6	20.65	24.62
7	24.62	27.32
8	27.32	30.31
9	30.31	33
10	33	35.84
11	35.84	39.71
12	39.71	41.76
13	41.76	44.74
14	44.74	47.26
15	47.26	50.36
16	50.36	53.22
17	53.22	56.3
18	56.3	59.22
19	59.22	62.06
20	62.06	65.86
21	65.86	68.85
22	68.85	70.77
23	70.77	73.73
24	73.73	76.7
25	76.7	79.68
26	79.68	82.74
27	82.74	85.9
28	85.9	88.97
29	88.97	92.06
30	92.06	94.91
31	94.91	97.58
32	97.58	100.71
33	100.71	103.62
34	103.62	106.53
35	106.53	109.2
36	109.2	112.48
37	112.48	115.54
38	115.54	118.83
39	118.83	121.96
40	121.96	124.84
41	124.84	127.29
42	127.29	130.18
43	130.18	133.2
44	133.2	136.25
45	136.25	139.29
46	139.29	142.34
47	142.34	145.59
48	145.59	148.44
49	148.44	151.49
50	151.49	154.53
51	154.53	157.58
52	157.58	160.49
53	160.49	163.11
54	163.11	165.63
55	165.63	168.48
56	168.48	170.75
57	170.75	173.7
58	173.7	176.62
59	176.62	179.3
60	179.3	182.22
61	182.22	184.9
62	184.9	187.71
63	187.71	190.83
64	190.83	193.67
65	193.67	196.93
66	196.93	200
67	200	203.3
68	203.3	206.54
69	206.54	209.66
70	209.66	212.82
71	212.82	215.9
72	215.9	218.6
73	218.6	221.76
74	221.76	224.77
75	224.77	227.88
76	227.88	231.16
77	231.16	234.23
78	234.23	237.18
79	237.18	239.97
80	239.97	242.93
81	242.93	245.86
82	245.86	248.86
83	248.86	251.86
84	251.86	254.86
85	254.86	258.09
86	258.09	261.17
87	261.17	264.26
88	264.26	267.44
89	267.44	270.36
90	270.36	273.41

Box Number	From (m)	To (m)
91	273.41	276.21
92	276.21	279.2
93	279.2	282.2
94	282.2	285.28
95	285.28	288.19
96	288.19	291.09
97	291.09	294.02
98	294.02	297.15
99	297.15	300.33
100	300.33	303.29
101	303.29	306.23
102	306.23	309.32
103	309.32	312.49
104	312.49	315.5
105	315.5	318.52
106	318.52	321.42
107	321.42	324.27
108	324.27	327.2
109	327.2	330.36
110	330.36	333.49
111	333.49	336.3
112	336.3	339.3
113	339.3	342.31
114	342.31	345.23
115	345.23	348.28
116	348.28	351.63
117	351.63	355.86
118	355.86	359.87
119	359.87	366.47
120	366.47	367.57
121	367.57	371.63
122	371.63	375.88
123	375.88	380
124	380	383.88
125	383.88	388.16
126	388.16	392.43
127	392.43	396.65
128	396.65	401
129	401	405.33
130	405.33	409.85
131	409.85	413.95
132	413.95	418.38
133	418.38	422.54
134	422.54	426.54
135	426.54	428.85

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-309									
	41.91	8.5	HQ	POR	694.8	424.6	2.62	2.6	Weak to moderate potassic/phyllic altered porphyry. Strongly pervasively oxidized and rubbly. Hosts disseminated pyrite.
	78.48	11	HQ	POR	1017	642.5	2.97	2.7	Weakly phyllic/potassic altered porphyry. Hosts disseminated pyrite and a 1cm wide grey quartz vein hosting blebby pyrite and chalcopyrite.
	91.53	15	HQ	POR	1259.7	791.2	2.69	2.7	Silicified moderately propyllitic altered porphyry hosts disseminated pyrite and one pyrite stringer.
	112.99	6	HQ	POR	756.8	548.3	4.05	3.6	Grey quartz with interstitial cream carbonate hosting blebby to semi-massive pyrite and disseminated to blebby chalcopyrite.
	125.73	18.5	HQ	QFP	1576.2	993.4	2.73	2.7	Grey/tan quartz feldspar porphyry dyke.
	136.51	11	HQ	POR	1120	750	3.27	3.0	50% of the sample is silicified phyllic altered porphyry hosts disseminated pyrite and the other half is grey quartz vein brecciated by white carbonate hosting disseminated to blebby pyrite.
	139.66	16.5	HQ	POR	1285.8	766.2	2.5	2.5	Strongly argillic(kaolinite) altered porphyry with pyrite stringers and hosts disseminated pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	196.78	11	HQ	POR	1041.7	660.9	3.04	2.7	70% of sample is silicified phyllic altered porphyry hosting disseminated pyrite. The other 30% of the vein massive milky white quartz vein hosting blebby pyrite, chalcopyrite and disseminated molybdenite.
	204.08	18.5	HQ	POR	1629.3	1024.3	2.83	2.7	Silicified moderately propyllitic altered porphyry hosting disseminated pyrite. Sample is cut by a 0.3cm wide quartz/pyrite veinlet and a pyrite stringer.
	211.66	14	HQ	POR	1351.5	866.3	3.1	2.8	Silicified phyllic/sericite altered porphyry hosting disseminated pyrite and ~20 sheeted pyrite stringers.
	229.38	17	HQ	POR	1511.9	976.1	2.85	2.8	Silicified strongly phyllic altered porphyry hosting disseminated pyrite and four 0.2-0.3cm wide quartz/pyrite veinlets.
	250	15.6	HQ	GRD	1169	683.2	2.4	2.4	Moderate to strongly pervasively oxidized porphyry. Appears to be weakly argillic and possibly phyllic altered. Oxidation make alteration type difficult to determine. Hosts disseminated pyrite. Core is pitted where sulphides (mostly pyrite) has weathered out.
	250.31	17.5	HQ	GRD	1602	1045.6	2.94	2.9	Silicified propyllitic altered granodiorite hosting two pyrite veinlets (0.8cm and 0.4cm) and disseminated pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	267.31	13	HQ	QFP	1127	706.1	2.78	2.7	Light tan/green quartz feldspar porphyry dyke.
	291.48	8.5	HQ	GRD	725.1	446.6	2.74	2.6	Intensely silicified propyllitic altered granodiorite.
	296.52	8.5	HQ	GRD	982.6	708.6	3.71	3.6	90% of the sample is a light grey quartz vein hosting blebby to semi-massive pyrite. The other 10% is silicified propyllitic altered granodiorite.
	302.58	10.5	HQ	GRD	981.9	618.3	3	2.7	Silicified moderate propyllitic altered granodiorite hosting trace disseminated pyrite.
	323.65	24.5	HQ	GRD	2213	1446.2	2.9	2.9	Vein zone where multiple segments of a pyrite vein have been offset. The offsets occur along cream carbonate veinlets and veins. Either the pyrite vein was micro faulted and the carbonate infilled the plane of weakness or the later stage crosscutting of the carbonates offset the pyrite vein.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	9.45	9.45	OVB	--	Strongly oxidized very rubbly and broken pieces of porphyry.							
						MD	OR	RB	OXI	4I		
						MD	GY					
						MD	BN					
9.45	16.55	7.10	POR	--	Strongly oxidized ~90% gouge altered porphyry. Goethite staining on competent pieces.							
						MD	OR					
						LT	OR	RB	OXI	4I		
						LT	GY					
16.55	24.80	8.25	POR	--	Very rubbly and partially gouge altered strongly oxidized porphyry. Goethite staining on some of the rubble surfaces.							
						MD	OR	RB	OXI	4I		
						LT	OR					
						LT	GY					
24.80	36.96	12.16	POR	MG	Moderate to strongly pervasively oxidized porphyry. Appears to be weakly argillic and possibly phyllic altered. Oxidation make alteration type difficult to determine. Has multiple oxidized rubbly gouge zones. Hosts disseminated pyrite. Core is pitted where sulphides (mostly pyrite) has weathered out.							
						MD	OR	PA	OXI	4I		
						LT	OR	RB	OXI	3I	Py	1
						LT	GY		PHC	2I		
						DK	OR		ARG	2I		
36.96	41.89	4.93	POR	MG	Weakly potassic(?)/propyllitic altered porphyry. Weak to moderate oxidation along fracture surfaces. Hosts disseminated pyrite.							
						MD	OR		PRO	2I		
						MD	GY		OXI	3I		
						LT	GY		POT	2I	Py	1
41.89	47.65	5.76	POR	MG	Weak to moderate potassic/phyllic alteration envelope around zone of quartz/sulphide veining. Envelope is strongly pervasively oxidized and rubbly. Hosts disseminated pyrite.							
						MD	OR	EN	OXI	3I	Py	1
						LT	OR		OXI	4I		
						LT	GY		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	3I		
									PRO	2I		
									PRO	3I		
47.65	59.55	11.90	POR	MG	Weakly potassic(?)/propyllitic altered porphyry. Weak to moderate oxidation along fracture surfaces. Hosts disseminated pyrite.							
						MD	GY		OXI	3I		
						MD	OR		PRO	2I		
						LT	GY		POT	2I	Py	0.1
59.55	64.90	5.35	POR	MG	Weak to moderate potassic/phyllic alteration envelope around multiple quartz/pyrite veinlets. Envelope is strongly pervasively oxidized and rubbly. Hosts disseminated pyrite.							
						MD	OR	RB	PHC	2I	Py	0.1
						LT	GY		POT	2I		
						LT	OR		PHC	3I		
									OXI	4I		
									OXI	3I		
									POT	3I		
64.90	66.14	1.24	POR	MG	Weakly potassic(?)/propyllitic altered porphyry. Weak to moderate oxidation along fracture surfaces. Hosts disseminated pyrite.							
						MD	GY		OXI	3I		
						MD	OR		PRO	2I		
						LT	GY		POT	2I	Py	0.1
66.14	70.77	4.63	POR	MG	Weak to moderate propyllitic/phyllic alteration envelope around zone of quartz/sulphide veining. Envelope is strongly pervasively oxidized and rubbly. Hosts disseminated to blebby pyrite.							
						MD	OR		PRO	3I		
						MD	GN		PHC	3I		
						LT	OR	RB	PRO	2I	Py	0.1
						LT	GN		PHC	2I		
									OXI	3I		
									OXI	4I		
70.77	74.90	4.13	POR	MG	Weakly potassic(?)/propyllitic altered porphyry. Weak to moderate oxidation along fracture surfaces. Hosts disseminated pyrite.							
						MD	GY		OXI	3I		
						MD	OR		PRO	2I		
						LT	GY		POT	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.90	84.20	9.30	POR	MG	Weakly silicified, weakly to moderately propyllitic altered porphyry. Hosts disseminated pyrite. Minor envelopes of phyllic/potassic alteration around quartz/sulphide veins/veinlets.							
						DK	GY		SIL	2I	Py	0.1
						DK	GN		PRO	2I		
									PRO	3I		
84.20	85.21	1.01	POR	MG	Envelopes of phyllic/potassic alteration astound quartz/sulphide vein. Hosts disseminated pyrite.							
						MD	GY					
						LT	GY	EN			Py	0.1
85.21	101.38	16.17	POR	MG	Weakly silicified, weakly to moderately propyllitic altered porphyry. Hosts disseminated pyrite. Minor envelopes of phyllic/potassic alteration atound quartz/sulphide veins/veinlets.							
						DK	GY		SIL	2I	Py	0.1
						DK	GN		PRO	2I		
									PRO	3I		
101.38	104.54	3.16	POR	MG	Envelope of phyllic alteration around multiple quartz/carbonate/sulphide veins and veinlets. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						LT	GN	EN	PHC	2I	Py	0.1
						LT	OR		PHC	3I		
104.54	109.97	5.43	POR	MG	Weakly silicified, weakly to moderately propyllitic altered porphyry. Hosts disseminated pyrite.							
						DK	GY		SIL	2I	Py	0.1
						DK	GN		PRO	2I		
									PRO	3I		
109.97	118.25	8.28	POR	MG	Moderately phyllic alteration envelope with minor patches of weak potassic alteration and strong argillic(?) alteration adjancent to the large quartz/carbonate/sulphide vein @112.93m. Venvelope aslo host multiple smaller quartz/sulphide vein and veinlets.							
						LT	GN	EN	PHC	3I	Py	0.1
						LT	WH		PHC	2I		
						LT	GY		ARG	4I		
									POT	2I		
118.25	122.64	4.39	POR	MG	Weakly silicified, weakly to moderately propyllitic altered porphyry. Hosts disseminated pyrite.							
						DK	GY		SIL	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
									PRO	3I		
122.64	125.19	2.55	POR	MG	Moderately phyllic and weakly potassic altered granodiorite. Hosts a few quartz/pyrite veinlets and disseminated pyrite. Upper alteration halo of dyke contact.							
						LT	GN	PO				
						LT	GY					
125.19	129.85	4.66	QFP	FG	Grey/tan quartz feldspar porphyry dyke. Dyke is fairly rubbly and broken up. It is cut by multiple carbonate veinlets and stringers.							
								RB				
								PO				
129.85	132.20	2.35	POR	MG	Primarily weak to moderately phyllic/potassic (kaolinite) altered porphyry Hosts disseminated pyrite and quartz/pyrite veinlets. Lower alteration halo of dyke contact.							
						MD	GN	PA	PHC	3I		
						LT	GN	PO	PHC	2I	Py	0.1
						LT	GY		ARG	2I		
									ARG	3I		
									PRO	3I		
									SIL	3I		
									ARG	3I		
									ARG	4I		
									OXI	2I		
132.20	135.25	3.05	POR	MG	Silicified moderately propyllitic altered granodiorite. Hosts disseminated pyrite.							
						MD	GN		PRO	3I		
						DK	GN	PO	SIL	3I	Py	0.1
135.25	139.15	3.90	POR	MG	Moderate to strongly phyllic altered porphyry hosting disseminated pyrite and an abundance of quartz/pyrite/chalcopyrite veinlet. Weak oxidation along fracture surfaces.							
						MD	GN		PHC	4I		
						LT	GN	PO	PHC	3I	Py	1
									OXI	2I		
139.15	143.77	4.62	POR	MG	Strongly argillic altered porphyry. Hosts disseminated pyrite. Has minor patchy propyllitic alteration.							
						MD	GY		PRO	2I		
						LT	WH	PO	ARG	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
143.77	150.81	7.04	POR	MG	Silicified patchy phyllic/propyllitic altered porphyry with patchy argillic alteration. Weak oxidation along fracture surfaces. Hosts multiple quartz/pyrite veinlets.							
						MD	GY		SIL	2I		
						MD	GN		ARG	3I		
						LT	GN	PO	PHC	2I	Py	0.1
						LT	OR		PHC	3I		
									PRO	2I		
									PRO	3I		
150.81	157.82	7.01	POR	MG	Strongly argillic altered porphyry hosting disseminated pyrite and multiple quartz/pyrite veinlets.							
						LT	WH		ARG	4I	Py	1
						LT	GY					
157.82	168.19	10.37	POR	MG	Very rubbly and broken up alternating small patches of silicified propyllitic alteration and weak to moderate phyllic/potassic(?) alteration. Weak to moderate oxidation along fracture surfaces. Hosts disseminated to blebby pyrite.							
						MD	GY	PO	SIL	2I		
						MD	GN		POT	2I		
						MD	OR		OXI	2I		
						LT	YW		POT	3I		
						LT	GN		PHC	2I		
						DK	GN	RB	PRO	3I	Py	1
						DK	GY		PHC	3I		
									OXI	3I		
168.19	170.06	1.87	POR	MG	Significantly gouge altered and rubbly phyllic/potassic(?) altered porphyry. Gouge is pervasively oxidized.							
						MD	OR	PO	PHC	2I		
						MD	GN		POT	3I		
						LT	GY	RB	PHC	3I	Py	0.1
						LT	GN		POT	2I		
170.06	182.13	12.07	POR	MG	Very rubbly and broken up alternating small patches of silicified propyllitic alteration and weak to moderate phyllic/potassic(?) alteration. Weak to moderate oxidation along fracture surfaces. Hosts disseminated to blebby pyrite.							
						MD	GY	PO	SIL	2I		
						MD	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		OXI	2I		
						LT	GN		PHC	2I		
						LT	YW		POT	3I		
						DK	GN	RB	PRO	3I	Py	0.1
						DK	GY		PHC	3I		
									OXI	3I		
182.13	183.34	1.21	POR	MG	Significantly gouge altered and rubbly phyllic/potassic(?) altered porphyry. Gouge is pervasively oxidized.							
						MD	OR	PO	PHC	2I		
						MD	GN		POT	3I		
						LT	GY	RB	PHC	3I	Py	1
						LT	GN		POT	2I		
183.34	188.44	5.10	POR	MG	Alternating patches of propyllitic/argillic and silicified propyllitic altered porphyry. Hosts disseminated pyrite.							
						MD	GY		ARG	3I		
						LT	GN	PO	PRO	2I		
						LT	WH	PA	PRO	3I	Py	0.1
						DK	GN		ARG	2I		
									SIL	3I		
188.44	191.61	3.17	QFP	FG	Light grey quartz feldspar porphyry dyke.							
						LT	GY	PO				
191.61	198.56	6.95	POR	MG	Silicified alternating patches of moderate phyllic and propyllitic alteration. Moderate oxidation along fracture surfaces. Hosts disseminated pyrite and an abundance of quartz/pyrite veins.							
						MD	GN	PO	PRO	3I		
						LT	GN	PA	PHC	3I	Py	1
						DK	GN		OXI	3I		
									SIL	3I		
198.56	211.01	12.45	POR	MG	Silicified propyllitic altered porphyry with patchy weak to moderate argillic alteration. Hosts an abundance of quartz/pyrite vein and veinlets. Phyllic envelopes around multiple mineralized vein zones. Hosts disseminated pyrite.							
						MD	GY	PA	SIL	3I		
						LT	GY	PO	PRO	3I	Py	0.1
						LT	WH		ARG	3I		
						DK	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
211.01	212.66	1.65	POR	MG	Moderate phyllic and sericite altered porphyry hosting disseminated pyrite, quartz/pyrite veinlets and stringers and quartz/carbonate/sulphide vein breccia. Moderate oxidation along fracture surfaces.							
						MD	GN	PO	SER	3I		
						LT	GN	EN	PHC	3I	Py	2
						LT	WH		OXI	3I		
						LT	OR					
212.66	224.64	11.98	POR	MG	Silicified propyllitic altered porphyry with patchy weak to moderate argillic alteration. Hosts an abundance of quartz/pyrite vein and veinlets. Rubbly and oxidized minor phyllic envelopes around multiple minor vein zones. Hosts disseminated pyrite.							
						MD	GY	PA	SIL	3I		
						LT	GY	PO	PRO	3I	Py	1
						LT	OR					
						LT	WH		ARG	3I		
						DK	GN		ARG	2I		
224.64	232.24	7.60	POR	MG	Moderately phyllic and weak to moderately altered argillic altered porphyry. Hosts disseminated pyrite and an abundance of quartz/pyrite veinlets and stringers.							
						LT	WH	PO	PHC	3I	Py	1
						LT	GN		ARG	2I		
									ARG	3I		
232.24	264.24	32.00	GRD	MG	Silicified moderately propyllitic altered granodiorite. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining when pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite.							
						MD	GY	PO	PRO	3I	Py	1
						DK	GN		SIL	3I		
264.24	269.36	5.12	QFP	FG	Light tan/green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	TN					
269.36	269.59	0.23	GRD	FG	Silicified propyllitic altered granodiorite in dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		
269.59	270.01	0.42	QFP	FG	Light tan/green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	TN					
270.01	283.82	13.81	GRD	MG	Silicified moderately propyllitic altered granodiorite. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining when pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite. Trace disseminated epidote proximal to dyke contact.							
						MD	GY		SIL	2I	Ep	0.1
						DK	GN		PRO	3I	Py	1
283.82	285.90	2.08	QFP	FG	Grey/tan quartz feldspar porphyry dyke. Dyke is fractured and broken up.							
						MD	GY	PO				
						MD	TN	FR				
285.90	288.97	3.07	GRD	--	Fractured, intensely silicified propyllitic altered granodiorite. Cut by multiple white carbonate stringers.							
						MD	GY		PRO	3I		
						DK	GN		SIL	5I		
288.97	291.09	2.12	QFP	--	Intensely silicified light to medium green quartz feldspar porphyry dyke. Dyke is highly fractured. It is cut by a high abundance of quartz/pyrite +/- carbonate veinlets. Dyke contacts are difficult to determine due to silicification obliterating most rock textures.							
						MD	GN					
						MD	GY					
						LT	GN		SIL	5I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
292.33	323.25	30.92	GRD	MG	Silicified moderately propyllitic altered granodiorite. Patchy weak to moderate argillic alteration throughout that reduces rock competency. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining where pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite.							
						MD	GY		SIL	2I	Py	1
						LT	WH		PRO	3I		
						DK	GN		SIL	3I		
									ARG	3I		
									ARG	2I		
323.25	324.91	1.66	GRD	MG	Silicified phyllic/propyllitic envelope around quartz/carbonate/sulphide vein zone. Hosts trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I	Py	0.1
						DK	GN					
324.91	342.31	17.40	GRD	MG	Silicified moderately propyllitic altered granodiorite. Patchy weak to moderate argillic alteration throughout that reduces rock competency. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining where pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite.							
						MD	GY		SIL	2I	Py	0.1
						LT	WH		PRO	3I		
						DK	GN		SIL	3I		
									ARG	2I		
									ARG	3I		
342.31	343.68	1.37	GRD	MG	Possible fault zone. Propyllitic granodiorite is rubbly and crumbles to the touch. Hosts disseminated pyrite.							
						MD	GY	RB	PRO	3I	Py	0.1
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
343.68	345.23	1.55	GRD	MG	Silicified propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz/pyrite veins, veinlets and stringers. Has multiple rubbly patches that are usually weakly argillic altered.							
						MD	GY		PRO	3I	Py	0.1
						DK	GN		SIL	2I		
									ARG	2I		
345.23	348.16	2.93	GRD	MG	Zone of weak to moderate argillic/propyllitic alteration hosting multiple quartz/carbonate/sulphide veins and veinlets.							
						LT	WH	EN	PRO	2I		
						DK	GN		PRO	3I		
									ARG	3I		
									ARG	2I		
348.16	358.91	10.75	GRD	MG	Silicified propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz/pyrite veins, veinlets and stringers. Has multiple rubbly patches that are usually weakly argillic altered. Reduced from HQ to NQ2 at 350.14m.							
						MD	GY		PRO	3I	Py	0.1
						DK	GN		SIL	2I		
									ARG	2I		
358.91	359.46	0.55	GRD	MG	Patch of strongly potassic and weakly propyllitic altered granodiorite.							
						MD	PK					
						DK	GN					
359.46	373.62	14.16	GRD	MG	Silicified propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz/pyrite veins, veinlets and stringers. Has multiple rubbly patches that are usually weakly argillic altered.							
						MD	GY	FR	PRO	3I	Py	0.1
						DK	GN		SIL	2I		
									ARG	2I		
373.62	375.52	1.90	GRD	MG	Silicified phyllic/propyllitic altered granodiorite. Hosts a few quartz/pyrite/chalcopyrite veinlets. Hosts trace disseminated pyrite.							
						MD	GN		PHC	3I		
						LT	GN					
						DK	GN		PRO	3I		
375.52	387.02	11.50	QFP	FG	Grey to light tan green quartz feldspar porphyry dyke with multiple zones of partial gouge alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	PO				
						LT	TN					
387.02	388.30	1.28	GRD	MG	Silicified patchy propyllitic/argillic altered granodiorite. Hosts trace disseminated pyirte.							
						LT	WH		PRO	3I		
						DK	GN	PA	ARG	3I	Py	0.1
388.30	392.93	4.63	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts multiple quartz/pyrite veinlets.							
						DK	GN		PRO	3I	Py	0.1
									SIL	3I		
392.93	394.14	1.21	GRD	MG	Phyllic/propyllitic altered granodiorite. Granodiorite proximal to dyke contact is brecciated by quartz/carbonate veining. Hosts disseminated pyrite.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I	Py	0.1
394.14	398.37	4.23	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	GY					
398.37	400.60	2.23	GRD	MG	Patchy phyllic/propyllitic altered granodiorite with small zone of partial gouge alteration. Hosts trace disseminated pyrite.							
						MD	GN		PRO	3I		
						LT	GN		PHC	2I	Py	0.1
						DK	GN					
400.60	402.80	2.20	GRD	MG	Silicified moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		
402.80	406.91	4.11	GRD	MG	Fault zone comprised of gouge alerted, rubbly and broken up patchy argillic/propyllitic altered granodiorite.							
						LT	WH	RB	PRO	3I		
						DK	GN		ARG	3I		
406.91	409.62	2.71	GRD	MG	Moderately propyllitic altered granodiorite. Hosts trace disseminated pyrite.							
						MD	GY		PRO	3I	Py	0.1
						DK	GN					
409.62	417.83	8.21	QFP	FG	Extremely rubbly, partially gouge altered grey quartz feldspar porphyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	GY	RB				
417.83	421.97	4.14	GRD	MG	Weak to moderately phyllic altered granodiorite hosting multiple quartz/pyrite veins and disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
421.97	427.90	5.93	GRD	MG	Silicified propyllitic altered granodiorite. Hosts trace disseminated pyrite and a multiple quartz/pyrite veinlets.							
						MD	GY		SIL	3I	Py	0.1
						DK	GN		PRO	3I		
427.90	428.85	0.95	GRD	MG	Moderately phyllic altered granodiorite with patchy weak argillic alteration hosting a quartz/carbonate vein. Hosts trace disseminated pyrite.							
						MD	GN		ARG	2I		
						LT	WH					
						LT	GN		PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	9.45	9.45	OVB	--	Strongly oxidized very rubbly and broken pieces of porphyry.							
						MD	OR	RB	OXI	4I		
						MD	GY					
						MD	BN					
9.45	16.55	7.10	POR	--	Strongly oxidized ~90% gouge altered porphyry. Goethite staining on competent pieces.							
						LT	OR	RB	OXI	4I		
						MD	OR					
						LT	GY					
16.55	24.80	8.25	POR	--	Very rubbly and partially gouge altered strongly oxidized porphyry. Goethite staining on some of the rubble surfaces.							
						MD	OR	PO	OXI	4I		
						LT	OR	RB				
						LT	GY					
24.80	36.96	12.16	POR	MG	Moderate to strongly pervasively oxidized porphyry. Appears to be weakly argillic and possibly phyllic altered. Oxidation make alteration type difficult to determine. Has multiple oxidized rubbly gouge zones. Hosts disseminated pyrite. Core is pitted where sulphides (mostly pyrite) has weathered out.							
						LT	OR	PO	OXI	3I	Py	1
						MD	OR	RB	OXI	4I		
						DK	OR	PA	ARG	2I		
						LT	GY		PHC	2I		
36.96	74.90	37.94	POR	MG	Weakly potassic altered porphyry. Weak to moderate oxidation along fracture surfaces. Hosts disseminated pyrite. Has multiple weak to moderate phyllic alteration envelopes around zones of quartz/sulphide veining. Envelopes are strongly pervasively oxidized.							
						LT	GY	PO	POT	2I	Py	1
						MD	GY		OXI	3I		
						MD	OR					
74.90	122.64	47.74	POR	MG	Weakly silicified, weakly to moderately propyllitic altered porphyry. Hosts disseminated pyrite. Minor envelopes of phyllic/potassic alteration atound quartz/sulphide veins/veinlets.							
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	3I		
						DK	GY	PO	SIL	2I	Py	0.1
122.64	125.19	2.55	POR	MG	Moderately phyllic and weakly potassic altered granodiorite. Hosts a few quartz/pyrite veinlets and disseminated pyrite. Upper alteration halo of dyke contact.							
						LT	GN	PO				
						LT	GY					
125.19	129.85	4.66	QFP	FG	Grey/tan quartz feldspar porphyry dyke. Dyke is fairly rubbly and broken up. It is cut by multiple carbonate veinlets and stringers.							
								RB				
								PO				
129.85	157.82	27.97	POR	MG	Primarily weak to moderately phyllic and/or argillic (kaolinite) altered porphyry with patches of silicified propyllitic alteration. All alterations hosts disseminated pyrite and quartz/pyrite veinlets. Weak oxidation along fracture surfaces.							
									ARG	4I		
									OXI	2I		
						MD	GN		PHC	3I		
						DK	GN		ARG	2I		
						MD	GY		ARG	3I		
						LT	WH		PRO	3I		
									ARG	3I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	OR		SIL	3I		
157.82	168.19	10.37	POR	MG	Possible fault zone? Very rubbly and broken up alternating small patches of silicified propyllitic alteration and weak to moderate phyllic/potassic(?) alteration. Weak to moderate oxidation along fracture surfaces. Hosts disseminated to blebby pyrite.							
						MD	OR		OXI	2I		
						DK	GN	RB	PRO	3I	Py	1
						MD	GY	PO	SIL	2I		
						DK	GY		PHC	3I		
						LT	GN		PHC	2I		
						LT	YW		POT	3I		
									OXI	3I		
						MD	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
168.19	170.06	1.87	POR	MG	Significantly gouge altered and rubbly phyllic/potassic(?) altered porphyry. Gouge is pervasively oxidized. Hosts disseminated pyrite.							
						MD	GN		POT	3I		
						LT	GY	RB	PHC	3I	Py	0.1
						LT	GN		POT	2I		
						MD	OR	PO	PHC	2I		
170.06	182.13	12.07	POR	MG	Very rubbly and broken up alternating small patches of silicified propyllitic alteration and weak to moderate phyllic/potassic(?) alteration. Weak to moderate oxidation along fracture surfaces. Hosts disseminated to blebby pyrite.							
						MD	GY	PO	SIL	2I		
									OXI	3I		
						MD	OR		OXI	2I		
						LT	YW		POT	3I		
						MD	GN		POT	2I		
						DK	GN	RB	PRO	3I	Py	0.1
						DK	GY		PHC	3I		
						LT	GN		PHC	2I		
182.13	183.34	1.21	POR	MG	Possible fault zone? Significantly gouge altered and rubbly phyllic/potassic(?) altered porphyry. Gouge is pervasively oxidized.							
						MD	OR	PO	PHC	2I		
						LT	GN		POT	2I		
						MD	GN		POT	3I		
						LT	GY	RB	PHC	3I	Py	1
183.34	188.44	5.10	POR	MG	Alternating patches of propyllitic/argillic and silicified propyllitic altered porphyry. Hosts disseminated pyrite.							
						DK	GN		ARG	2I		
									SIL	3I		
						LT	GN	PO	PRO	2I		
						MD	GY		ARG	3I		
						LT	WH	PA	PRO	3I	Py	0.1
188.44	191.61	3.17	QFP	FG	Light grey quartz feldspar porphyry dyke.							
						LT	GY	PO				
191.61	198.56	6.95	POR	MG	Silicified alternating patches of moderate phyllic and propyllitic alteration. Moderate oxidation along fracture surfaces. Hosts disseminated pyrite and an abundance of quartz/pyrite veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	3I	Py	1
						MD	GN	PO	PRO	3I		
						DK	GN		OXI	3I		
									SIL	3I		
198.56	224.64	26.08	POR	MG	Silicified propyllitic altered porphyry with patchy weak to moderate argillic alteration. Hosts an abundance of quartz/pyrite vein and veinlets. Phyllic envelopes around multiple mineralized vein zones. Hosts disseminated pyrite.							
						LT	WH		ARG	3I		
						LT	GY	PO	PRO	3I	Py	0.1
						MD	GY	PA	SIL	3I		
						DK	GN		ARG	2I		
224.64	232.24	7.60	POR	MG	Moderately phyllic and weak to moderately altered argillic altered porphyry. Hosts disseminated pyrite and an abundance of quartz/pyrite veinlets and stringers.							
									ARG	3I		
						LT	WH	PO	PHC	3I	Py	1
						LT	GN		ARG	2I		
232.24	264.24	32.00	GRD	MG	Silicified moderately propyllitic altered granodiorite. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining when pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite.							
						MD	GY	PO	PRO	3I	Py	1
						DK	GN		SIL	3I		
264.24	270.01	5.77	QFP	FG	Light tan/green quartz feldspar porphyry dyke.							
						LT	TN					
						LT	GN	PO				
270.01	283.82	13.81	GRD	MG	Silicified moderately propyllitic altered granodiorite. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining when pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite. Trace disseminated epidote proximal to dyke contact.							
						DK	GN		PRO	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		SIL	2I	Ep	0.1
283.82	285.90	2.08	QFP	FG	Grey/tan quartz feldspar porphyry dyke. Dyke is fractured and broken up.							
						MD	GY	PO				
						MD	TN	FR				
285.90	288.97	3.07	GRD	--	Fractured, intensely silicified propyllitic altered granodiorite. Cut by multiple pyrite stringers and white carbonate stringers. Hosts disseminated pyrite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	5I	Py	1
288.97	291.09	2.12	QFP	--	Intensely silicified light to medium green quartz feldspar porphyry dyke. Dyke is highly fractured. It is cut by a high abundance of quartz/pyrite +/- carbonate veinlets. Dyke contacts are difficult to determine due to silicification obliterating most rock textures.							
						MD	GY					
						DK	GN					
						LT	GN		SIL	5I		
						MD	GN					
292.33	342.31	49.98	GRD	MG	Silicified moderately propyllitic altered granodiorite. Patchy weak to moderate argillic alteration throughout that reduces rock competency. Mineralization occurs primarily in three forms. The first is quartz/pyrite veining where the pyrite makes up ~10-20% of the vein/veinlet. The second is quartz/pyrite veining where pyrite makes up ~90+% of the vein. The third is pervasive trace disseminated pyrite throughout the granodiorite.							
									ARG	2I		
									ARG	3I		
						DK	GN		SIL	3I		
						LT	WH		PRO	3I		
						MD	GY		SIL	2I	Py	1
342.31	343.68	1.37	GRD	MG	Possible fault zone. Propyllitic granodiorite is rubbly and crumbles to the touch. Hosts disseminated pyrite.							
						MD	GY	RB	PRO	3I	Py	0.1
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
343.68	375.52	31.84	GRD	MG	Silicified propyllitic altered granodiorite. Hosts disseminated pyrite, multiple quartz/pyrite veins, veinlets and stringers. Has multiple rubbly patches that are usually weakly argillic altered. Reduced from HQ to NQ2 at 350.14m							
						MD	GY		PRO	3I	Py	0.1
						DK	GN		SIL	2I		
									ARG	2I		
375.52	387.02	11.50	QFP	FG	Grey to light tan green quartz feldspar porphyry dyke with multiple zones of partial gouge alteration.							
						MD	GY					
						LT	TN					
						LT	GY	PO				
387.02	388.30	1.28	GRD	MG	Silicified patchy propyllitic/argillic altered granodiorite. Hosts trace disseminated pyirte.							
						DK	GN	PA	ARG	3I	Py	0.1
						LT	WH		PRO	3I		
388.30	392.93	4.63	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts multiple quartz/pyrite veinlets.							
						DK	GN		PRO	3I	Py	0.1
									SIL	3I		
392.93	394.14	1.21	GRD	MG	Phyllic/propyllitic altered granodiorite. Granodiorite proximal to dyke contact is brecciated by quartz/carbonate veining. Hosts disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN		PRO	3I		
394.14	398.37	4.23	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY					
						LT	GN	PO				
398.37	400.60	2.23	GRD	MG	Patchy phyllic/propyllitic altered granodiorite with small zone of partial gouge alteration. Hosts trace disseminated pyrite.							
						DK	GN					
						MD	GN		PRO	3I		
						LT	GN		PHC	2I	Py	0.1
400.60	402.80	2.20	GRD	MG	Silicified moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
402.80	406.91	4.11	GRD	MG	Fault zone comprised of gouge alerted, rubbly and broken up patchy argillic/propyllitic altered granodiorite.							
						LT	WH	RB	PRO	3I		
						DK	GN		ARG	3I		
406.91	409.62	2.71	GRD	MG	Moderately propyllitic altered granodiorite. Hosts trace disseminated pyrite.							
						MD	GY		PRO	3I	Py	0.1
						DK	GN					
409.62	417.83	8.21	QFP	FG	Extremely rubbly, partially gouge altered grey quartz feldspar porphyry dyke.							
						MD	GY					
						LT	GY	RB				
417.83	421.97	4.14	GRD	MG	Weak to moderately phyllic altered granodiorite hosting multiple quartz/pyrite veins and disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
421.97	427.90	5.93	GRD	MG	Silicified propyllitic altered granodiorite. Hosts trace disseminated pyrite and a multiple quartz/pyrite veinlets.							
						DK	GN		PRO	3I		
						MD	GY		SIL	3I	Py	0.1
427.90	428.85	0.95	GRD	MG	Moderately phyllic altered granodiorite with patchy weak argillic alteration hosting a quartz/carbonate vein. Hosts trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN		ARG	2I		
						LT	WH					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.64	1.64	0	0	0.00	0	--	--	--	Cased
1.64	2.13	0.49	0.43	88	0.00	0	--	1H	5W	
2.13	5.18	3.05	0.95	31	0.00	0	--	1H	5W	
5.18	8.23	3.05	1.51	50	0.00	0	--	1H	5W	
8.23	11.28	3.05	1.71	56	0.00	0	--	1H	5W	
11.28	14.33	3.05	1.94	64	0.00	0	--	1H	5W	
14.33	17.37	3.04	2.18	72	0.00	0	--	1H	5W	
17.37	20.42	3.05	1.4	46	0.00	0	--	1H	5W	
20.42	23.47	3.05	1.36	45	0.00	0	--	1H	5W	
23.47	26.52	3.05	2.7	89	0.63	21	--	1H	4W	
26.52	29.57	3.05	2.86	94	0.69	23	--	2H	4W	
29.57	32.61	3.04	2.83	93	1.83	60	--	1H	4W	
32.61	35.66	3.05	2.32	76	1.15	38	--	1H	5W	
35.66	38.71	3.05	2.91	95	1.42	47	--	1H	4W	
38.71	41.76	3.05	2.98	98	1.90	62	--	2H	3W	
41.76	44.81	3.05	2.27	74	0.69	23	--	2H	4W	
44.81	47.85	3.04	2.25	74	0.25	8	--	2H	4W	
47.85	50.90	3.05	2.79	91	1.99	65	--	3H	2W	
50.90	53.95	3.05	3.05	100	1.39	46	--	3H	1W	
53.95	57.00	3.05	2.82	92	1.53	50	--	3H	1W	
57.00	60.05	3.05	2.79	91	0.97	32	--	3H	1W	
60.05	63.09	3.04	2.47	81	0.25	8	--	2H	3W	
63.09	66.14	3.05	2.52	83	1.92	63	--	3H	1W	
66.14	69.19	3.05	2.31	76	0.95	31	--	3H	1W	
69.19	72.24	3.05	2.42	79	0.58	19	--	2H	4W	Rubbly zone in middle of interval
72.24	75.29	3.05	3.05	100	1.63	53	--	3H	1W	
75.29	78.33	3.04	2.96	97	2.36	78	--	3H	1W	
78.33	81.38	3.05	3.05	100	2.37	78	--	3H	1W	
81.38	84.43	3.05	3	98	2.89	95	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	2.92	96	2.02	66	--	3H	1W	
87.48	90.53	3.05	2.95	97	1.70	56	--	3H	1W	
90.53	93.57	3.04	2.89	95	2.25	74	--	3H	1W	
93.57	96.62	3.05	2.92	96	0.94	31	--	3H	1W	to fractured to count joint sets
96.62	99.67	3.05	3.05	100	1.77	58	--	2H	1W	
99.67	102.72	3.05	2.76	90	1.54	50	--	2H	1W	
102.72	105.77	3.05	3	98	1.86	61	--	1H	1W	
105.77	108.81	3.04	2.7	89	0.87	29	--	3H	1W	
108.81	111.86	3.05	2.77	91	2.28	75	--	3H	1W	
111.86	114.91	3.05	2.77	91	1.35	44	--	1H	1W	
114.91	117.96	3.05	2.87	94	1.72	56	--	2H	1W	
117.96	121.01	3.05	3.05	100	2.80	92	--	3H	1W	
121.01	124.05	3.04	2.89	95	1.62	53	--	3H	1W	
124.05	127.10	3.05	2.82	92	0.65	21	--	2H	1W	
127.10	130.15	3.05	2.66	87	0.40	13	--	1H	1W	
130.15	133.20	3.05	2.95	97	2.15	70	--	3H	1W	
133.20	136.25	3.05	2.89	95	1.97	65	--	3H	1W	
136.25	139.29	3.04	2.77	91	1.61	53	--	3H	1W	
139.29	142.34	3.05	3	98	2.65	87	--	3H	1W	
142.34	145.39	3.05	2.81	92	1.83	60	--	2H	1W	
145.39	148.44	3.05	2.78	91	1.51	50	--	1H	1W	
148.44	151.49	3.05	2.88	94	1.29	42	--	2H	1W	
151.49	154.53	3.04	2.87	94	1.75	58	--	2H	1W	
154.53	157.58	3.05	3.02	99	1.56	51	--	2H	1W	
157.58	160.63	3.05	2.4	79	0.15	5	--	2H	1W	to fractured
160.63	163.68	3.05	2.67	88	0.26	9	--	2H	1W	
163.68	166.73	3.05	2.52	83	0.78	26	--	2H	1W	
166.73	169.77	3.04	2.39	79	0.00	0	--	1H	1W	
169.77	172.82	3.05	2.2	72	0.12	4	--	1H	1W	
172.82	175.87	3.05	2.15	70	0.21	7	--	1H	1W	
175.87	178.92	3.05	2.5	82	0.39	13	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	2.2	72	0.27	9	--	2H	1W	
181.97	185.01	3.04	2.76	91	0.45	15	--	1H	1W	
185.01	188.06	3.05	2.89	95	1.30	43	--	3H	1W	
188.06	191.11	3.05	2.93	96	1.00	33	--	3H	1W	
191.11	194.16	3.05	3	98	1.99	65	--	3H	2W	
194.16	197.21	3.05	2.88	94	2.48	81	--	3H	1W	
197.21	200.25	3.04	2.56	84	1.68	55	--	3H	1W	
200.25	203.30	3.05	3	98	2.72	89	--	3H	1W	
203.30	206.35	3.05	3.05	100	2.98	98	--	4H	1W	
206.35	209.40	3.05	2.85	93	1.68	55	--	3H	1W	
209.40	212.45	3.05	2.89	95	1.87	61	--	3H	1W	
212.45	215.49	3.04	2.78	91	2.07	68	--	4H	1W	
215.49	218.54	3.05	2.68	88	1.21	40	--	1H	4W	Contains oxidised rubble zones
218.54	221.59	3.05	3.05	100	2.81	92	--	3H	1W	
221.59	224.64	3.05	2.8	92	1.80	59	--	3H	2W	
224.64	227.69	3.05	2.66	87	1.36	45	--	2H	3W	
227.69	230.73	3.04	2.94	97	1.94	64	--	3H	1W	
230.73	233.78	3.05	2.84	93	1.18	39	--	3H	1W	
233.78	236.83	3.05	2.36	77	0.80	26	--	3H	1W	
236.83	239.88	3.05	2.42	79	1.19	39	--	4H	1W	
239.88	242.93	3.05	2.82	92	1.26	41	--	4H	1W	
242.93	245.97	3.04	3.04	100	2.44	80	--	4H	1W	
245.97	249.02	3.05	2.92	96	1.47	48	--	2H	1W	contains gouge zone
249.02	252.07	3.05	2.93	96	1.69	55	--	3H	1W	
252.07	255.12	3.05	2.9	95	1.45	48	--	4H	1W	
255.12	258.17	3.05	2.9	95	2.39	78	--	4H	1W	
258.17	261.21	3.04	2.95	97	2.56	84	--	4H	1W	
261.21	264.26	3.05	3.02	99	2.04	67	--	3H	1W	
264.26	267.31	3.05	3.01	99	2.55	84	--	3H	1W	
267.31	270.36	3.05	3.01	99	2.50	82	--	3H	1W	
270.36	273.41	3.05	3.05	100	1.64	54	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
273.41	276.45	3.04	2.69	88	0.84	28	--	3H	1W	
276.45	279.50	3.05	3	98	2.27	74	--	4H	1W	
279.50	282.55	3.05	3.05	100	2.45	80	--	5H	1W	
282.55	285.60	3.05	2.73	90	0.62	20	--	5H	1W	
285.60	288.65	3.05	2.64	87	0.64	21	--	5H	1W	
288.65	291.69	3.04	2.7	89	1.20	39	--	4H	1W	
291.69	294.74	3.05	2.95	97	1.00	33	--	3H	1W	
294.74	297.79	3.05	2.92	96	1.95	64	--	3H	1W	
297.79	300.84	3.05	2.91	95	1.54	50	--	4H	1W	
300.84	303.89	3.05	2.86	94	2.19	72	--	4H	1W	
303.89	306.93	3.04	2.71	89	1.19	39	--	3H	1W	
306.93	309.98	3.05	2.83	93	1.54	50	--	5H	1W	
309.98	313.03	3.05	2.76	90	1.70	56	--	4H	1W	
313.03	316.08	3.05	2.93	96	1.52	50	--	5H	1W	
316.08	319.13	3.05	2.8	92	1.37	45	--	4H	1W	
319.13	322.17	3.04	3	99	1.98	65	--	4H	1W	
322.17	325.22	3.05	3.05	100	1.18	39	--	3H	1W	
325.22	328.27	3.05	3.05	100	1.57	51	--	4H	1W	
328.27	331.32	3.05	3.03	99	2.43	80	--	4H	1W	
331.32	334.37	3.05	3.05	100	2.16	71	--	3H	1W	
334.37	337.41	3.04	3.02	99	0.70	23	--	3H	1W	
337.41	340.46	3.05	3.05	100	2.25	74	--	3H	1W	
340.46	343.51	3.05	2.94	96	1.45	48	--	3H	1W	
343.51	346.56	3.05	2.95	97	1.65	54	--	2H	1W	
346.56	349.61	3.05	3.05	100	2.73	90	--	3H	1W	
349.61	352.65	3.04	2.32	76	0.43	14	--	3H	1W	
352.65	355.70	3.05	2.81	92	0.66	22	--	3H	1W	
355.70	358.75	3.05	3.05	100	0.78	26	--	4H	1W	
358.75	361.80	3.05	2.94	96	1.20	39	--	3H	1W	
361.80	364.85	3.05	2.91	95	0.74	24	--	3H	1W	
364.85	367.89	3.04	3.04	100	1.40	46	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
367.89	370.94	3.05	2.97	97	1.18	39	--	3H	1W	
370.94	373.99	3.05	2.97	97	1.33	44	--	3H	1W	
373.99	377.04	3.05	2.93	96	2.01	66	--	2H	1W	
377.04	380.09	3.05	3.05	100	2.34	77	--	3H	1W	
380.09	383.13	3.04	3.04	100	1.91	63	--	3H	1W	
383.13	386.18	3.05	3.05	100	1.61	53	--	3H	1W	
386.18	389.23	3.05	3.02	99	2.71	89	--	3H	1W	
389.23	392.28	3.05	3.05	100	2.16	71	--	4H	1W	
392.28	395.33	3.05	3.04	100	1.86	61	--	3H	1W	
395.33	398.37	3.04	2.68	88	1.09	36	--	1H	1W	
398.37	401.42	3.05	3.05	100	0.63	21	--	2H	1W	
401.42	404.47	3.05	3.05	100	0.70	23	--	2H	1W	
404.47	407.52	3.05	2.5	82	0.22	7	--	3H	1W	
407.52	410.57	3.05	2.43	80	0.50	16	--	1H	1W	
410.57	413.61	3.04	2.59	85	0.23	8	--	1H	1W	
413.61	416.66	3.05	2.28	75	0.85	28	--	2H	1W	
416.66	419.71	3.05	2.68	88	1.33	44	--	2H	1W	
419.71	422.76	3.05	3.03	99	1.58	52	--	4H	1W	
422.76	425.81	3.05	3.02	99	2.12	70	--	4H	1W	
425.81	428.85	3.04	3.03	100	2.36	78	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	OVB	cased
1	0	OVB	cased
2	23.53	OVB	
3	0.426	OVB	
4	0.387	OVB	
5	0.359	OVB	
6	0.184	OVB	
7	0.233	OVB	
8	0.145	OVB	
9	0.164	OVB	
10	0.325	POR	
11	0.212	POR	
12	0.381	POR	
13	0.245	POR	
14	0.146	POR	
15	0.236	POR	
16	0.214	POR	
17	0.297	POR	
18	0.305	POR	
19	0.219	POR	
20	0.204	POR	
21	0.282	POR	
22	0.266	POR	
23	0.244	POR	
24	0.184	POR	
25	0.235	POR	
26	0.245	POR	
27	0.239	POR	
28	0.179	POR	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.214	POR	
30	0.146	POR	
31	0.213	POR	
32	0.2	POR	
33	0.301	POR	
34	0.541	POR	
35	0.245	POR	
36	0.288	POR	
37	0.273	POR	
38	0.247	POR	
39	0.461	POR	
40	0.41	POR	
41	1.396	POR	
42	0.551	POR	
43	0.098	POR	
44	0.168	POR	
45	0.139	POR	
46	0.156	POR	
47	0.275	POR	
48	0.201	POR	
49	0.268	POR	
50	0.283	POR	
51	0.63	POR	
52	0.441	POR	
53	1.747	POR	
54	1.526	POR	
55	3.876	POR	
56	3.626	POR	
57	16.53	POR	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	1.12	POR	
59	1.648	POR	
60	0.388	POR	
61	0.209	POR	
62	3.505	POR	
63	0.331	POR	
64	0.538	POR	
65	10.04	POR	
66	7.984	POR	
67	0.537	POR	
68	0.185	POR	
69	0.191	POR	
70	0.358	POR	
71	0.721	POR	
72	0.561	POR	
73	0.537	POR	
74	0.669	POR	
75	0.641	POR	
76	0.208	POR	
77	0.176	POR	
78	0.179	POR	
79	0.353	POR	
80	0.413	POR	
81	0.36	POR	
82	0.298	POR	
83	0.587	POR	
84	19.2	POR	
85	0.69	POR	
86	28.2	POR	
87	8.43	POR	
88	20.9	POR	
89	16.9	POR	
90	23.7	POR	
91	35.9	POR	
92	5.14	POR	
93	7.47	POR	
94	13.9	POR	
95	2.25	POR	
96	23.8	POR	
97	95.3	POR	
98	0.682	POR	
99	18	POR	
100	37.2	POR	
101	6.59	POR	
102	15	POR	
103	0.323	POR	
104	0.388	POR	
105	2.51	POR	
106	10	POR	
107	6.48	POR	
108	0.215	POR	
109	5.11	POR	
110	12	POR	
111	0.28	POR	
112	0.54	POR	
113	0.292	POR	
114	0.128	POR	
115	0.182	POR	
116	2.17	POR	
117	0.264	POR	
118	0.23	POR	
119	5.45	POR	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	11.2	POR	
121	14.9	POR	
122	10.7	POR	
123	4.36	POR	
124	0.513	POR	
125	0.398	POR	
126	0.195	QFP	
127	0.118	QFP	
128	0.176	QFP	
129	0.122	QFP	
130	0.278	POR	
131	0.278	POR	
132	0.201	POR	
133	6.9	POR	
134	0.89	POR	
135	6.68	POR	
136	0.314	POR	
137	0.218	POR	
138	0.211	POR	
139	0.259	POR	
140	0.248	POR	
141	0.254	POR	
142	1.51	POR	
143	0.78	POR	
144	0.354	POR	
145	0.544	POR	
146	0.279	POR	
147	0.384	POR	
148	0.289	POR	
149	0.14	POR	
150	0.265	POR	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	0.351	POR	
152	0.464	POR	
153	0.557	POR	
154	0.374	POR	
155	0.311	POR	
156	0.19	POR	
157	0.204	POR	
158	0.272	POR	
159	4.98	POR	
160	0.633	POR	
161	0.428	POR	
162	0.205	POR	
163	0.824	POR	
164	0.138	POR	
165	0.296	POR	
166	5.14	POR	
167	5.09	POR	
168	0.303	POR	
169	0.26	POR	
170	1.13	POR	
171	5.54	POR	
172	2.61	POR	
173	0.184	POR	
174	0.224	POR	
175	11	POR	
176	9.49	POR	
177	0.961	POR	
178	1.79	POR	
179	7.53	POR	
180	10.5	POR	
181	17.7	POR	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	14.8	POR	
183	4.08	POR	
184	0.243	POR	
185	1.36	POR	
186	7.25	POR	
187	0.568	POR	
188	2.3	POR	
189	8.17	QFP	
190	0.311	QFP	
191	0.358	QFP	
192	0.444	POR	
193	0.236	POR	
194	1.29	POR	
195	0.196	POR	
196	0.16	POR	
197	0.103	POR	
198	0.181	POR	
199	0.465	POR	
200	1.07	POR	
201	1.04	POR	
202	1.76	POR	
203	1.61	POR	
204	0.349	POR	
205	4.58	POR	
206	6.2	POR	
207	0.308	POR	
208	1.05	POR	
209	6.07	POR	
210	1.67	POR	
211	5.53	POR	
212	0.287	POR	
213	4.39	POR	
214	8.41	POR	
215	1.19	POR	
216	0.391	POR	
217	0.124	POR	
218	0.283	POR	
219	2.98	POR	
220	0.372	POR	
221	0.515	POR	
222	2.27	POR	
223	3.73	POR	
224	1.15	POR	
225	0.226	POR	
226	0.25	POR	
227	0.15	POR	
228	0.234	POR	
229	0.204	POR	
230	0.161	POR	
231	0.223	POR	
232	0.221	POR	
233	12.9	GRD	
234	46.8	GRD	
235	35.5	GRD	
236	20.5	GRD	
237	3.43	GRD	
238	0.607	GRD	
239	19.1	GRD	
240	0.846	GRD	
241	8.26	GRD	
242	1.36	GRD	
243	0.884	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
244	10.2	GRD	
245	21.1	GRD	
246	72.2	GRD	
247	5.47	GRD	
248	27	GRD	
249	2.03	GRD	
250	4	GRD	
251	10	GRD	
252	6.23	GRD	
253	8.18	GRD	
254	50.4	GRD	
255	17.1	GRD	
256	31.1	GRD	
257	8.58	GRD	
258	1.95	GRD	
259	24.8	GRD	
260	55.8	GRD	
261	6.33	GRD	
262	10.07	GRD	
263	57.4	GRD	
264	504	GRD	Magnetite vein
265	0.237	QFP	
266	0.255	QFP	
267	0.272	QFP	
268	0.244	QFP	
269	0.244	QFP	
270	0.276	QFP	
271	0.254	GRD	
272	0.621	GRD	
273	60.4	GRD	
274	6.72	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
275	0.438	GRD	
276	0.351	GRD	
277	46.1	GRD	
278	1.68	GRD	
279	5.49	GRD	
280	46.4	GRD	
281	0.434	GRD	
282	10.4	GRD	
283	3.74	GRD	
284	0	QFP	
285	5.74	QFP	
286	0.478	GRD	
287	0.132	GRD	
288	0	GRD	to fractured to mag
289	0.511	QFP	
290	0.47	QFP	
291	0	QFP	to fractured to mag
292	0.546	GRD	
293	7.37	GRD	
294	0	GRD	to fractured to mag
295	41.3	GRD	
296	0.303	GRD	
297	0.584	GRD	
298	6.81	GRD	
299	0.893	GRD	
300	3.17	GRD	
301	0.749	GRD	
302	16.8	GRD	
303	45	GRD	
304	6.88	GRD	
305	0.278	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
306	0.278	GRD	
307	1.17	GRD	
308	0.792	GRD	
309	4.81	GRD	
310	1.24	GRD	
311	0.146	GRD	
312	90.2	GRD	
313	14	GRD	
314	55	GRD	
315	1.54	GRD	
316	43.1	GRD	
317	12.9	GRD	
318	1.21	GRD	
319	28.1	GRD	
320	29.3	GRD	
321	0.316	GRD	
322	15.4	GRD	
323	3.91	GRD	
324	0.181	GRD	
325	0.133	GRD	
326	31.8	GRD	
327	10.9	GRD	
328	9.21	GRD	
329	13	GRD	
330	38.4	GRD	
331	0.487	GRD	
332	1.45	GRD	
333	5.78	GRD	
334	11.4	GRD	
335	13.3	GRD	
336	28.6	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
337	2.09	GRD	
338	0.262	GRD	
339	0.28	GRD	
340	19.6	GRD	
341	21.8	GRD	
342	0.501	GRD	
343	0.273	GRD	
344	1.1	GRD	
345	0.78	GRD	
346	0.169	GRD	
347	0.314	GRD	
348	1.91	GRD	
349	15.3	GRD	
350	0.513	GRD	
350	4.88	GRD	
351	2.53	GRD	
352	0.112	GRD	
353	4.46	GRD	
354	3.57	GRD	
355	13.8	GRD	
356	46.9	GRD	
357	1.49	GRD	
358	2.36	GRD	
359	0.833	GRD	
360	1.8	GRD	
361	13.2	GRD	
362	20.9	GRD	
363	0.188	GRD	
364	27.8	GRD	
365	15	GRD	
366	4.65	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
367	0.619	GRD	
368	10.1	GRD	
369	13.3	GRD	
370	45.8	GRD	
371	17.6	GRD	
372	9.54	GRD	
373	0.317	GRD	
374	29.6	GRD	
375	0.471	GRD	
376	1.77	QFP	
377	0.032	QFP	
378	0.136	QFP	
379	0.061	QFP	
380	0.108	QFP	
381	0.061	QFP	
382	0.111	QFP	
383	0.094	QFP	
384	0.142	QFP	
385	0.125	QFP	
386	0.137	QFP	
387	0.877	QFP	
388	12.8	GRD	
389	1.25	GRD	
390	37.1	GRD	
391	24.4	GRD	
392	0.458	GRD	
393	0.214	GRD	
394	0.633	GRD	
395	0.17	QFP	
396	0.156	QFP	
397	0.176	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
398	0.162	QFP	
399	0.125	GRD	
400	0.195	GRD	
401	7.03	GRD	
402	9.83	GRD	
403	3.03	GRD	
404	0.683	GRD	
405	0.988	GRD	
406	0.287	GRD	
407	0.283	GRD	
408	0.18	GRD	
409	0.285	GRD	
410	0.226	QFP	
411	0.159	QFP	
412	0.227	QFP	
413	0.202	QFP	
414	0.16	QFP	
415	0.196	QFP	
416	0.164	QFP	
417	0.338	QFP	
418	0.303	GRD	
419	0.285	GRD	
420	0.234	GRD	
421	0.144	GRD	
422	0.254	GRD	
423	0.417	GRD	
424	4.37	GRD	
425	20.6	GRD	
426	0.72	GRD	
427	3.23	GRD	
428	0.18	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047267	☐	16-043		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047363	☐	16-048			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047358	☐	16-048		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047347	☐	16-046			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047338	☐	16-046		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047327	☐	16-046		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047322	☐	16-046			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047311	☐	16-045			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047308	☐	16-045		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047299	☐	16-045			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047161	☐	16-037		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047272	☐	16-043			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047256	☐	16-043			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047249	☐	16-043		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047238	☐	16-042		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047233	☐	16-042			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047221	☐	16-042			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047218	☐	16-042		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047202	☐	16-039			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047197	☐	16-039		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047188	☐	16-039		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047179	☐	16-039			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047166	☐	16-037			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047293	☐	16-045		KL-STD4	☐	☐	☐
9.54	11.28	1.74	POR	1.72	99	S047153	☐	16-037			☐	☐	☐
11.28	14.33	3.05	POR	2.28	75	S047154	☐	16-037			☐	☐	☐
14.33	15.59	1.26	POR	1.26	100	S047155	☐	16-037			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
15.59	17.37	1.78	POR	1.18	66	S047156	☐	16-037			☐	☐	☐
17.37	20.42	3.05	POR	1.54	50	S047157	☐	16-037			☐	☐	☐
20.42	23.47	3.05	POR	1.41	46	S047158	☐	16-037			☐	☐	☐
23.47	26.52	3.05	POR	3.02	99	S047159	☐	16-037			☐	☐	☐
26.52	29.57	3.05	POR	2.91	95	S047160	☐	16-037			☐	☐	☐
29.57	31.48	1.91	POR	1.91	100	S047162	☐	16-037			☐	☐	☐
31.48	32.61	1.13	POR	1.11	98	S047163	☐	16-037			☐	☐	☐
32.61	33.83	1.22	POR	1.22	100	S047164	☐	16-037			☐	☐	☐
33.83	35.66	1.83	POR	1.55	85	S047165	☐	16-037			☐	☐	☐
35.66	38.71	3.05	POR	3.05	100	S047167	☐	16-037			☐	☐	☐
38.71	41.76	3.05	POR	2.86	94	S047168	☐	16-037			☐	☐	☐
41.76	43.16	1.40	POR	1.40	100	S047169	☐	16-037			☐	☐	☐
43.16	45.18	2.02	POR	1.61	80	S047170	☐	16-037			☐	☐	☐
45.18	47.85	2.67	POR	2.36	88	S047171	☐	16-037			☐	☐	☐
47.85	50.90	3.05	POR	2.90	95	S047172	☐	16-037			☐	☐	☐
50.90	53.95	3.05	POR	3.04	100	S047173	☐	16-039			☐	☐	☐
53.95	56.00	2.05	POR	1.82	89	S047174	☐	16-039			☐	☐	☐
56.00	57.98	1.98	POR	1.98	100	S047175	☐	16-039			☐	☐	☐
57.98	59.88	1.90	POR	1.90	100	S047176	☐	16-039			☐	☐	☐
59.88	62.44	2.56	POR	2.40	94	S047177	☐	16-039			☐	☐	☐
62.44	63.79	1.35	POR	1.34	99	S047178	☐	16-039			☐	☐	☐
63.79	66.14	2.35	POR	2.25	96	S047180	☐	16-039			☐	☐	☐
66.14	69.19	3.05	POR	2.70	89	S047181	☐	16-039			☐	☐	☐
69.19	70.77	1.58	POR	1.26	80	S047182	☐	16-039			☐	☐	☐
70.77	72.24	1.47	POR	1.47	100	S047183	☐	16-039			☐	☐	☐
70.77	72.24	1.47	POR	1.47	100	S047184	☐	16-039			☐	☐	☑
72.24	75.29	3.05	POR	3.05	100	S047185	☐	16-039			☐	☐	☐
75.29	78.33	3.04	POR	2.96	97	S047186	☐	16-039			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
78.33	81.38	3.05	POR	3.00	98	S047187	☐	16-039			☐	☐	☐
81.38	84.21	2.83	POR	2.79	99	S047189	☐	16-039			☐	☐	☐
84.21	85.70	1.49	POR	1.49	100	S047190	☐	16-039			☐	☐	☐
85.70	87.48	1.78	POR	1.71	96	S047191	☐	16-039			☐	☐	☐
87.48	90.11	2.63	POR	2.63	100	S047192	☐	16-039			☐	☐	☐
87.48	90.11	2.63	POR	2.63	100	S047193	☐	16-039			☐	☑	☐
90.11	92.06	1.95	POR	1.93	99	S047194	☐	16-039			☐	☐	☐
92.06	93.57	1.51	POR	1.51	100	S047195	☐	16-039			☐	☐	☐
93.57	96.62	3.05	POR	2.92	96	S047196	☐	16-039			☐	☐	☐
96.62	99.67	3.05	POR	3.05	100	S047198	☐	16-039			☐	☐	☐
99.67	101.27	1.60	POR	1.60	100	S047199	☐	16-039			☐	☐	☐
101.27	102.92	1.65	POR	1.51	92	S047200	☐	16-039			☐	☐	☐
102.92	104.27	1.35	POR	1.35	100	S047201	☐	16-039			☐	☐	☐
104.27	105.77	1.50	POR	1.50	100	S047203	☐	16-039			☐	☐	☐
105.77	108.81	3.04	POR	2.70	89	S047204	☐	16-039			☐	☐	☐
108.81	111.17	2.36	POR	2.34	99	S047205	☐	16-039			☐	☐	☐
111.17	112.51	1.34	POR	1.33	99	S047206	☐	16-039			☐	☐	☐
112.51	114.65	2.14	POR	2.01	94	S047207	☐	16-039			☐	☐	☐
114.65	115.76	1.11	POR	1.06	95	S047208	☐	16-039			☐	☐	☐
115.76	117.96	2.20	POR	2.01	91	S047209	☐	16-042			☐	☐	☐
117.96	121.01	3.05	POR	3.05	100	S047210	☐	16-042			☐	☐	☐
121.01	123.57	2.56	POR	2.46	96	S047211	☐	16-042			☐	☐	☐
123.57	125.21	1.64	POR	1.64	100	S047212	☐	16-042			☐	☐	☐
123.57	125.21	1.64	POR	1.64	100	S047213	☐	16-042			☐	☐	☑
125.21	127.10	1.89	QFP	1.84	97	S047214	☐	16-042			☐	☐	☐
127.10	129.85	2.75	QFP	2.20	80	S047215	☐	16-042			☐	☐	☐
129.85	132.21	2.36	QFP, POR	2.23	94	S047216	☐	16-042			☐	☐	☐
132.21	133.70	1.49	POR	1.49	100	S047217	☐	16-042			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
133.70	135.68	1.98	POR	1.88	95	S047219	☐	16-042			☐	☐	☐
135.68	136.80	1.12	POR	1.12	100	S047220	☐	16-042			☐	☐	☐
136.80	139.22	2.42	POR	2.33	96	S047222	☐	16-042			☐	☐	☐
139.22	141.37	2.15	POR	2.15	100	S047223	☐	16-042			☐	☐	☐
141.37	143.71	2.34	POR	2.23	95	S047224	☐	16-042			☐	☐	☐
143.71	145.39	1.68	POR	1.65	98	S047225	☐	16-042			☐	☐	☐
145.39	147.20	1.81	POR	1.81	100	S047226	☐	16-042			☐	☐	☐
145.39	147.20	1.81	POR	1.81	100	S047227	☐	16-042			☐	☑	☐
147.20	148.44	1.24	POR	1.10	89	S047228	☐	16-042			☐	☐	☐
148.44	151.49	3.05	POR	2.92	96	S047229	☐	16-042			☐	☐	☐
151.49	154.53	3.04	POR	2.94	97	S047230	☐	16-042			☐	☐	☐
154.53	156.43	1.90	POR	1.90	100	S047231	☐	16-042			☐	☐	☐
156.43	157.58	1.15	POR	1.15	100	S047232	☐	16-042			☐	☐	☐
157.58	158.53	0.95	POR	0.90	95	S047234	☐	16-042			☐	☐	☐
158.53	160.63	2.10	POR	1.56	74	S047235	☐	16-042			☐	☐	☐
160.63	162.60	1.97	POR	1.66	84	S047236	☐	16-042			☐	☐	☐
162.60	163.68	1.08	POR	1.07	99	S047237	☐	16-042			☐	☐	☐
163.68	165.82	2.14	POR	1.81	85	S047239	☐	16-042			☐	☐	☐
165.82	168.24	2.42	POR	1.96	81	S047240	☐	16-042			☐	☐	☐
168.24	170.04	1.80	POR	1.78	99	S047241	☐	16-042			☐	☐	☐
170.04	170.75	0.71	POR	0.71	100	S047242	☐	16-042			☐	☐	☐
170.75	172.82	2.07	POR	1.47	71	S047243	☐	16-042			☐	☐	☐
172.82	175.12	2.30	POR	1.72	75	S047244	☐	16-042			☐	☐	☐
175.12	176.92	1.80	POR	1.80	100	S047245	☐	16-043			☐	☐	☐
176.92	178.92	2.00	POR	1.79	90	S047246	☐	16-043			☐	☐	☐
178.92	181.97	3.05	POR	2.54	83	S047247	☐	16-043			☐	☐	☐
181.97	183.24	1.27	POR	1.17	92	S047248	☐	16-043			☐	☐	☐
183.24	184.90	1.66	POR	1.66	100	S047250	☐	16-043			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
184.90	186.73	1.83	POR	1.80	98	S047251	☐	16-043			☐	☐	☐
186.73	188.43	1.70	POR	1.65	97	S047252	☐	16-043			☐	☐	☐
188.43	190.35	1.92	POR	1.72	90	S047253	☐	16-043			☐	☐	☐
190.35	191.56	1.21	QFP	1.21	100	S047254	☐	16-043			☐	☐	☐
191.56	193.31	1.75	QFP	1.75	100	S047255	☐	16-043			☐	☐	☐
193.31	194.16	0.85	POR	0.85	100	S047257	☐	16-043			☐	☐	☐
194.16	195.95	1.79	POR	1.79	100	S047258	☐	16-043			☐	☐	☐
194.16	195.95	1.79	POR	1.79	100	S047259	☐	16-043			☐	☐	☑
195.95	197.37	1.42	POR	1.42	100	S047260	☐	16-043			☐	☐	☐
197.37	199.11	1.74	POR	1.57	90	S047261	☐	16-043			☐	☐	☐
199.11	200.25	1.14	POR	1.13	99	S047262	☐	16-043			☐	☐	☐
200.25	203.30	3.05	POR	3.02	99	S047263	☐	16-043			☐	☐	☐
200.25	203.30	3.05	POR	3.02	99	S047264	☐	16-043			☐	☑	☐
203.30	206.35	3.05	POR	3.05	100	S047265	☐	16-043			☐	☐	☐
206.35	209.40	3.05	POR	2.81	92	S047266	☐	16-043			☐	☐	☐
209.40	211.01	1.61	POR	1.60	99	S047268	☐	16-043			☐	☐	☐
211.01	212.66	1.65	POR	1.61	98	S047269	☐	16-043			☐	☐	☐
212.66	215.00	2.34	POR	2.27	97	S047270	☐	16-043			☐	☐	☐
215.00	216.14	1.14	POR	1.14	100	S047271	☐	16-043			☐	☐	☐
216.14	218.51	2.37	POR	2.37	100	S047273	☐	16-043			☐	☐	☐
218.51	221.53	3.02	POR	2.85	94	S047274	☐	16-043			☐	☐	☐
221.53	223.24	1.71	POR	1.65	96	S047275	☐	16-043			☐	☐	☐
223.24	224.64	1.40	POR	1.40	100	S047276	☐	16-043			☐	☐	☐
224.64	227.69	3.05	POR, POR	3.00	98	S047277	☐	16-043			☐	☐	☐
227.69	230.73	3.04	POR	2.99	98	S047278	☐	16-043			☐	☐	☐
230.73	232.15	1.42	POR	1.42	100	S047279	☐	16-043			☐	☐	☐
232.15	233.78	1.63	POR	1.62	99	S047280	☐	16-043			☐	☐	☐
233.78	236.83	3.05	GRD	2.67	88	S047281	☐	16-045			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
236.83	239.88	3.05	GRD	2.82	92	S047282	☐	16-045			☐	☐	☐
239.88	242.93	3.05	GRD	2.82	92	S047283	☐	16-045			☐	☐	☐
242.93	245.97	3.04	GRD	3.04	100	S047284	☐	16-045			☐	☐	☐
245.97	249.02	3.05	GRD	2.93	96	S047285	☐	16-045			☐	☐	☐
245.97	249.02	3.05	GRD	2.93	96	S047286	☐	16-045			☐	☑	☐
249.02	252.07	3.05	GRD	2.93	96	S047287	☐	16-045			☐	☐	☐
252.07	255.12	3.05	GRD	2.90	95	S047288	☐	16-045			☐	☐	☐
255.12	258.17	3.05	GRD	2.90	95	S047289	☐	16-045			☐	☐	☐
258.17	261.21	3.04	GRD	2.95	97	S047290	☐	16-045			☐	☐	☐
261.21	264.22	3.01	GRD	3.01	100	S047291	☐	16-045			☐	☐	☐
264.22	267.12	2.90	GRD	2.84	98	S047292	☐	16-045			☐	☐	☐
267.12	269.96	2.84	QFP	2.58	91	S047294	☐	16-045			☐	☐	☐
269.96	271.88	1.92	QFP	1.91	99	S047295	☐	16-045			☐	☐	☐
271.88	274.56	2.68	GRD	2.68	100	S047296	☐	16-045			☐	☐	☐
274.56	276.45	1.89	GRD	1.85	98	S047297	☐	16-045			☐	☐	☐
276.45	279.50	3.05	GRD	3.02	99	S047298	☐	16-045			☐	☐	☐
279.50	282.55	3.05	GRD	3.05	100	S047300	☐	16-045			☐	☐	☐
282.55	283.75	1.20	GRD	1.20	100	S047301	☐	16-045			☐	☐	☐
282.55	283.75	1.20	GRD	1.20	100	S047302	☐	16-045			☐	☐	☑
283.75	285.92	2.17	GRD	2.10	97	S047303	☐	16-045			☐	☐	☐
285.92	287.88	1.96	GRD	1.74	89	S047304	☐	16-045			☐	☐	☐
287.88	288.90	1.02	GRD	1.02	100	S047305	☐	16-045			☐	☐	☐
288.90	290.06	1.16	GRD	1.16	100	S047306	☐	16-045			☐	☐	☐
290.06	292.25	2.19	QFP	2.13	97	S047307	☐	16-045			☐	☐	☐
292.25	294.74	2.49	GRD	2.36	95	S047309	☐	16-045			☐	☐	☐
294.74	297.79	3.05	GRD	2.92	96	S047310	☐	16-045			☐	☐	☐
297.79	300.84	3.05	GRD	2.91	95	S047312	☐	16-045			☐	☐	☐
300.84	303.89	3.05	GRD	2.86	94	S047313	☐	16-045			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
303.89	306.93	3.04	GRD	2.71	89	S047314	☐	16-045			☐	☐	☐
306.93	309.98	3.05	GRD	2.83	93	S047315	☐	16-045			☐	☐	☐
309.98	313.03	3.05	GRD	2.76	90	S047316	☐	16-045			☐	☐	☐
313.03	316.08	3.05	GRD	2.93	96	S047317	☐	16-046			☐	☐	☐
316.08	319.13	3.05	GRD	2.80	92	S047318	☐	16-046			☐	☐	☐
319.13	322.17	3.04	GRD	3.00	99	S047319	☐	16-046			☐	☐	☐
322.17	323.21	1.04	GRD	1.03	99	S047320	☐	16-046			☐	☐	☐
323.21	324.83	1.62	GRD	1.56	96	S047321	☐	16-046			☐	☐	☐
324.83	326.76	1.93	GRD	1.92	99	S047323	☐	16-046			☐	☐	☐
326.76	328.27	1.51	GRD	1.51	100	S047324	☐	16-046			☐	☐	☐
328.27	330.78	2.51	GRD	2.51	100	S047325	☐	16-046			☐	☐	☐
330.78	332.47	1.69	GRD	1.69	100	S047326	☐	16-046			☐	☐	☐
332.47	334.37	1.90	GRD	1.90	100	S047328	☐	16-046			☐	☐	☐
334.37	337.41	3.04	GRD	3.02	99	S047329	☐	16-046			☐	☐	☐
337.41	340.46	3.05	GRD	3.05	100	S047330	☐	16-046			☐	☐	☐
340.46	343.51	3.05	GRD	2.94	96	S047331	☐	16-046			☐	☐	☐
340.46	343.51	3.05	GRD	2.94	96	S047332	☐	16-046			☐	☐	☑
343.51	345.23	1.72	GRD	1.65	96	S047333	☐	16-046			☐	☐	☐
345.23	347.81	2.58	GRD	2.58	100	S047334	☐	16-046			☐	☐	☐
347.81	349.64	1.83	GRD	1.82	99	S047335	☐	16-046			☐	☐	☐
349.64	352.65	3.01	GRD	2.32	77	S047336	☐	16-046			☐	☐	☐
352.65	355.70	3.05	GRD	2.81	92	S047337	☐	16-046			☐	☐	☐
355.70	358.75	3.05	GRD	3.05	100	S047339	☐	16-046			☐	☐	☐
358.75	361.80	3.05	GRD	2.94	96	S047340	☐	16-046			☐	☐	☐
361.80	364.85	3.05	GRD	2.91	95	S047341	☐	16-046			☐	☐	☐
364.85	367.89	3.04	GRD	3.04	100	S047342	☐	16-046			☐	☐	☐
364.85	367.89	3.04	GRD	3.04	100	S047343	☐	16-046			☐	☑	☐
367.89	370.94	3.05	GRD	2.97	97	S047344	☐	16-046			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
370.94	373.99	3.05	GRD	2.97	97	S047345	☐	16-046			☐	☐	☐
373.99	376.50	2.51	GRD	2.33	93	S047346	☐	16-046			☐	☐	☐
376.50	378.63	2.13	QFP	2.13	100	S047348	☐	16-046			☐	☐	☐
378.63	380.09	1.46	QFP	1.46	100	S047349	☐	16-046			☐	☐	☐
380.09	383.13	3.04	QFP	3.04	100	S047350	☐	16-046			☐	☐	☐
383.13	385.66	2.53	QFP	2.51	99	S047351	☐	16-046			☐	☐	☐
385.66	387.00	1.34	QFP	1.34	100	S047352	☐	16-046			☐	☐	☐
387.00	389.23	2.23	QFP	1.12	50	S047353	☐	16-048			☐	☐	☐
389.23	392.28	3.05	GRD	3.05	100	S047354	☐	16-048			☐	☐	☐
392.28	394.24	1.96	GRD	1.93	98	S047355	☐	16-048			☐	☐	☐
394.24	396.05	1.81	QFP	1.71	94	S047356	☐	16-048			☐	☐	☐
396.05	398.37	2.32	QFP	1.95	84	S047357	☐	16-048			☐	☐	☐
398.37	401.42	3.05	QFP, GRD	3.05	100	S047359	☐	16-048			☐	☐	☐
401.42	404.47	3.05	GRD	3.05	100	S047360	☐	16-048			☐	☐	☐
404.47	406.86	2.39	GRD	1.70	71	S047361	☐	16-048			☐	☐	☐
406.86	409.58	2.72	GRD	2.00	74	S047362	☐	16-048			☐	☐	☐
409.58	410.94	1.36	GRD	1.34	99	S047364	☐	16-048			☐	☐	☐
410.94	413.61	2.67	QFP	1.85	69	S047365	☐	16-048			☐	☐	☐
413.61	416.66	3.05	QFP	2.49	82	S047366	☐	16-048			☐	☐	☐
416.66	417.57	0.91	QFP	0.90	99	S047367	☐	16-048			☐	☐	☐
416.66	417.57	0.91	QFP	0.90	99	S047368	☐	16-048			☐	☐	☑
417.57	419.71	2.14	QFP	1.80	84	S047369	☐	16-048			☐	☐	☐
419.71	421.98	2.27	GRD	2.18	96	S047370	☐	16-048			☐	☐	☐
421.98	423.82	1.84	GRD	1.84	100	S047371	☐	16-048			☐	☐	☐
423.82	425.82	2.00	GRD	1.98	99	S047372	☐	16-048			☐	☐	☐
425.82	428.85	3.03	GRD	3.03	100	S047373	☐	16-048			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	9.54			☐	☐	☐	☐	
16-045	S047293	0.00	0.00	0.37	420	☐	☐	☐	☑ KL-STD4	
16-045	S047299	0.00	0.00	0.00	80	☐	☐	☑	☐	
16-045	S047308	0.00	0.00	0.92	540	☐	☐	☐	☑ KL-STD5	
16-045	S047311	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-039	S047179	0.00	0.00	0.00	270	☐	☐	☑	☐	
16-039	S047188	0.00	0.00	0.35	500	☐	☐	☐	☑ KL-STD4	
16-039	S047197	0.00	0.00	0.89	390	☐	☐	☐	☑ KL-STD5	
16-039	S047202	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-043	S047249	0.00	0.00	0.36	400	☐	☐	☐	☑ KL-STD4	
16-043	S047256	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-043	S047267	0.00	0.00	0.86	180	☐	☐	☐	☑ KL-STD5	
16-043	S047272	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-037	S047161	0.00	0.00	0.36	750	☐	☐	☐	☑ KL-STD4	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-037	S047166	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-048	S047358	0.00	0.00	0.81	1000	☐	☐	☐	☑ KL-STD5	
16-048	S047363	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-042	S047218	0.00	0.00	0.86	1130	☐	☐	☐	☑ KL-STD5	
16-042	S047221	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-042	S047233	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-042	S047238	0.00	0.00	0.34	950	☐	☐	☐	☑ KL-STD4	
16-046	S047322	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-046	S047327	0.00	0.00	0.36	500	☐	☐	☐	☑ KL-STD4	
16-046	S047338	0.00	0.00	0.87	160	☐	☐	☐	☑ KL-STD5	
16-046	S047347	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-037	S047153	9.54	11.28	0.07	830	☐	☐	☐	☐	
16-037	S047154	11.28	14.33	0.04	970	☐	☐	☐	☐	
16-037	S047155	14.33	15.59	0.07	790	☐	☐	☐	☐	
16-037	S047156	15.59	17.37	0.04	570	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-037	S047157	17.37	20.42	0.05	1020	☐	☐	☐	☐	
16-037	S047158	20.42	23.47	0.11	360	☐	☐	☐	☐	
16-037	S047159	23.47	26.52	0.17	1130	☐	☐	☐	☐	
16-037	S047160	26.52	29.57	0.06	1850	☐	☐	☐	☐	
16-037	S047162	29.57	31.48	0.04	1810	☐	☐	☐	☐	
16-037	S047163	31.48	32.61	0.10	2360	☐	☐	☐	☐	
16-037	S047164	32.61	33.83	0.14	1570	☐	☐	☐	☐	
16-037	S047165	33.83	35.66	0.12	1690	☐	☐	☐	☐	
16-037	S047167	35.66	38.71	0.12	1620	☐	☐	☐	☐	
16-037	S047168	38.71	41.76	0.12	1060	☐	☐	☐	☐	
16-037	S047169	41.76	43.16	0.21	520	☐	☐	☐	☐	
16-037	S047170	43.16	45.18	0.17	490	☐	☐	☐	☐	
16-037	S047171	45.18	47.85	0.10	1190	☐	☐	☐	☐	
16-037	S047172	47.85	50.90	0.05	1100	☐	☐	☐	☐	
16-039	S047173	50.90	53.95	0.07	1530	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-039	S047174	53.95	56.00	0.11	520	☐	☐	☐	☐	
16-039	S047175	56.00	57.98	0.10	1450	☐	☐	☐	☐	
16-039	S047176	57.98	59.88	0.15	1240	☐	☐	☐	☐	
16-039	S047177	59.88	62.44	0.13	1330	☐	☐	☐	☐	
16-039	S047178	62.44	63.79	0.05	1030	☐	☐	☐	☐	
16-039	S047180	63.79	66.14	0.05	1450	☐	☐	☐	☐	
16-039	S047181	66.14	69.19	0.06	400	☐	☐	☐	☐	
16-039	S047182	69.19	70.77	0.14	760	☐	☐	☐	☐	
16-039	S047183	70.77	72.24	0.08	1000	☐	☐	☐	☐	
16-039	S047184	70.77	72.24	0.07	1130	☐	☑	☐	☐	
16-039	S047185	72.24	75.29	0.09	920	☐	☐	☐	☐	
16-039	S047186	75.29	78.33	0.08	720	☐	☐	☐	☐	
16-039	S047187	78.33	81.38	0.20	1050	☐	☐	☐	☐	
16-039	S047189	81.38	84.21	0.09	950	☐	☐	☐	☐	
16-039	S047190	84.21	85.70	0.05	1040	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-039	S047191	85.70	87.48	0.02	1470	☐	☐	☐	☐	
16-039	S047192	87.48	90.11	0.03	1330	☐	☐	☐	☐	
16-039	S047193	87.48	90.11	0.03	1390	☑	☐	☐	☐	
16-039	S047194	90.11	92.06	0.07	1390	☐	☐	☐	☐	
16-039	S047195	92.06	93.57	0.04	1180	☐	☐	☐	☐	
16-039	S047196	93.57	96.62	0.03	1270	☐	☐	☐	☐	
16-039	S047198	96.62	99.67	0.04	1610	☐	☐	☐	☐	
16-039	S047199	99.67	101.27	0.04	1600	☐	☐	☐	☐	
16-039	S047200	101.27	102.92	0.04	1650	☐	☐	☐	☐	
16-039	S047201	102.92	104.27	0.07	400	☐	☐	☐	☐	
16-039	S047203	104.27	105.77	0.04	1730	☐	☐	☐	☐	
16-039	S047204	105.77	108.81	0.03	1420	☐	☐	☐	☐	
16-039	S047205	108.81	111.17	0.06	1450	☐	☐	☐	☐	
16-039	S047206	111.17	112.51	0.10	290	☐	☐	☐	☐	
16-039	S047207	112.51	114.65	0.25	310	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-039	S047208	114.65	115.76	0.05	520	☐	☐	☐	☐	
16-042	S047209	115.76	117.96	0.04	1970	☐	☐	☐	☐	
16-042	S047210	117.96	121.01	0.04	1410	☐	☐	☐	☐	
16-042	S047211	121.01	123.57	0.03	1500	☐	☐	☐	☐	
16-042	S047212	123.57	125.21	0.04	1740	☐	☐	☐	☐	
16-042	S047213	123.57	125.21	0.04	1690	☐	☑	☐	☐	
16-042	S047214	125.21	127.10	0.05	740	☐	☐	☐	☐	
16-042	S047215	127.10	129.85	0.06	780	☐	☐	☐	☐	
16-042	S047216	129.85	132.21	0.05	1710	☐	☐	☐	☐	
16-042	S047217	132.21	133.70	0.05	640	☐	☐	☐	☐	
16-042	S047219	133.70	135.68	0.03	1860	☐	☐	☐	☐	
16-042	S047220	135.68	136.80	0.11	490	☐	☐	☐	☐	
16-042	S047222	136.80	139.22	0.06	720	☐	☐	☐	☐	
16-042	S047223	139.22	141.37	0.03	1020	☐	☐	☐	☐	
16-042	S047224	141.37	143.71	0.04	1570	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-042	S047225	143.71	145.39	0.02	2160	☐	☐	☐	☐	
16-042	S047226	145.39	147.20	0.02	1800	☐	☐	☐	☐	
16-042	S047227	145.39	147.20	0.03	1680	☑	☐	☐	☐	
16-042	S047228	147.20	148.44	0.06	680	☐	☐	☐	☐	
16-042	S047229	148.44	151.49	0.04	1140	☐	☐	☐	☐	
16-042	S047230	151.49	154.53	0.03	1300	☐	☐	☐	☐	
16-042	S047231	154.53	156.43	0.03	570	☐	☐	☐	☐	
16-042	S047232	156.43	157.58	0.10	1000	☐	☐	☐	☐	
16-042	S047234	157.58	158.53	0.05	1040	☐	☐	☐	☐	
16-042	S047235	158.53	160.63	0.04	2310	☐	☐	☐	☐	
16-042	S047236	160.63	162.60	0.03	1250	☐	☐	☐	☐	
16-042	S047237	162.60	163.68	0.04	1290	☐	☐	☐	☐	
16-042	S047239	163.68	165.82	0.02	1010	☐	☐	☐	☐	
16-042	S047240	165.82	168.24	0.02	1950	☐	☐	☐	☐	
16-042	S047241	168.24	170.04	0.03	1410	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-042	S047242	170.04	170.75	0.04	1110	☐	☐	☐	☐	
16-042	S047243	170.75	172.82	0.02	2240	☐	☐	☐	☐	
16-042	S047244	172.82	175.12	0.02	500	☐	☐	☐	☐	
16-043	S047245	175.12	176.92	0.04	1430	☐	☐	☐	☐	
16-043	S047246	176.92	178.92	0.04	1330	☐	☐	☐	☐	
16-043	S047247	178.92	181.97	0.05	1910	☐	☐	☐	☐	
16-043	S047248	181.97	183.24	0.02	1310	☐	☐	☐	☐	
16-043	S047250	183.24	184.90	0.02	1250	☐	☐	☐	☐	
16-043	S047251	184.90	186.73	0.03	1340	☐	☐	☐	☐	
16-043	S047252	186.73	188.43	0.03	1320	☐	☐	☐	☐	
16-043	S047253	188.43	190.35	0.02	1960	☐	☐	☐	☐	
16-043	S047254	190.35	191.56	0.04	1380	☐	☐	☐	☐	
16-043	S047255	191.56	193.31	0.05	410	☐	☐	☐	☐	
16-043	S047257	193.31	194.16	0.03	1300	☐	☐	☐	☐	
16-043	S047258	194.16	195.95	0.04	850	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-043	S047259	194.16	195.95	0.04	730	☐	☑	☐	☐	
16-043	S047260	195.95	197.37	0.04	660	☐	☐	☐	☐	
16-043	S047261	197.37	199.11	0.03	680	☐	☐	☐	☐	
16-043	S047262	199.11	200.25	0.02	1900	☐	☐	☐	☐	
16-043	S047263	200.25	203.30	0.02	1420	☐	☐	☐	☐	
16-043	S047264	200.25	203.30	0.02	1430	☑	☐	☐	☐	
16-043	S047265	203.30	206.35	0.03	1550	☐	☐	☐	☐	
16-043	S047266	206.35	209.40	0.01	830	☐	☐	☐	☐	
16-043	S047268	209.40	211.01	0.01	1730	☐	☐	☐	☐	
16-043	S047269	211.01	212.66	0.05	520	☐	☐	☐	☐	
16-043	S047270	212.66	215.00	0.03	2340	☐	☐	☐	☐	
16-043	S047271	215.00	216.14	0.05	680	☐	☐	☐	☐	
16-043	S047273	216.14	218.51	0.02	1440	☐	☐	☐	☐	
16-043	S047274	218.51	221.53	0.04	1350	☐	☐	☐	☐	
16-043	S047275	221.53	223.24	0.04	1130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-043	S047276	223.24	224.64	0.02	1820	☐	☐	☐	☐	
16-043	S047277	224.64	227.69	0.06	490	☐	☐	☐	☐	
16-043	S047278	227.69	230.73	0.05	440	☐	☐	☐	☐	
16-043	S047279	230.73	232.15	0.04	610	☐	☐	☐	☐	
16-043	S047280	232.15	233.78	0.02	1440	☐	☐	☐	☐	
16-045	S047281	233.78	236.83	0.02	1770	☐	☐	☐	☐	
16-045	S047282	236.83	239.88	0.03	1010	☐	☐	☐	☐	
16-045	S047283	239.88	242.93	0.03	630	☐	☐	☐	☐	
16-045	S047284	242.93	245.97	0.04	1440	☐	☐	☐	☐	
16-045	S047285	245.97	249.02	0.04	2230	☐	☐	☐	☐	
16-045	S047286	245.97	249.02	0.04	1930	☑	☐	☐	☐	
16-045	S047287	249.02	252.07	0.05	620	☐	☐	☐	☐	
16-045	S047288	252.07	255.12	0.04	2060	☐	☐	☐	☐	
16-045	S047289	255.12	258.17	0.03	1870	☐	☐	☐	☐	
16-045	S047290	258.17	261.21	0.04	1110	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-045	S047291	261.21	264.22	0.03	720	☐	☐	☐	☐	
16-045	S047292	264.22	267.12	0.02	1230	☐	☐	☐	☐	
16-045	S047294	267.12	269.96	0.02	1350	☐	☐	☐	☐	
16-045	S047295	269.96	271.88	0.03	960	☐	☐	☐	☐	
16-045	S047296	271.88	274.56	0.03	1230	☐	☐	☐	☐	
16-045	S047297	274.56	276.45	0.03	1120	☐	☐	☐	☐	
16-045	S047298	276.45	279.50	0.03	1450	☐	☐	☐	☐	
16-045	S047300	279.50	282.55	0.03	1940	☐	☐	☐	☐	
16-045	S047301	282.55	283.75	0.02	1640	☐	☐	☐	☐	
16-045	S047302	282.55	283.75	0.02	1590	☐	☑	☐	☐	
16-045	S047303	283.75	285.92	0.03	1490	☐	☐	☐	☐	
16-045	S047304	285.92	287.88	0.03	1380	☐	☐	☐	☐	
16-045	S047305	287.88	288.90	0.03	1630	☐	☐	☐	☐	
16-045	S047306	288.90	290.06	0.03	1340	☐	☐	☐	☐	
16-045	S047307	290.06	292.25	0.02	1580	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-045	S047309	292.25	294.74	0.03	1510	☐	☐	☐	☐	
16-045	S047310	294.74	297.79	0.06	100	☐	☐	☐	☐	
16-045	S047312	297.79	300.84	0.04	1550	☐	☐	☐	☐	
16-045	S047313	300.84	303.89	0.05	1580	☐	☐	☐	☐	
16-045	S047314	303.89	306.93	0.06	830	☐	☐	☐	☐	
16-045	S047315	306.93	309.98	0.06	1480	☐	☐	☐	☐	
16-045	S047316	309.98	313.03	0.08	1270	☐	☐	☐	☐	
16-046	S047317	313.03	316.08	0.07	1760	☐	☐	☐	☐	
16-046	S047318	316.08	319.13	0.05	1660	☐	☐	☐	☐	
16-046	S047319	319.13	322.17	0.06	1640	☐	☐	☐	☐	
16-046	S047320	322.17	323.21	0.05	100	☐	☐	☐	☐	
16-046	S047321	323.21	324.83	0.07	260	☐	☐	☐	☐	
16-046	S047323	324.83	326.76	0.05	2170	☐	☐	☐	☐	
16-046	S047324	326.76	328.27	0.09	1850	☐	☐	☐	☐	
16-046	S047325	328.27	330.78	0.06	1490	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-046	S047326	330.78	332.47	0.11	1120	☐	☐	☐	☐	
16-046	S047328	332.47	334.37	0.06	1950	☐	☐	☐	☐	
16-046	S047329	334.37	337.41	0.05	2100	☐	☐	☐	☐	
16-046	S047330	337.41	340.46	0.06	1520	☐	☐	☐	☐	
16-046	S047331	340.46	343.51	0.05	2120	☐	☐	☐	☐	
16-046	S047332	340.46	343.51	0.05	2270	☐	☑	☐	☐	
16-046	S047333	343.51	345.23	0.03	2360	☐	☐	☐	☐	
16-046	S047334	345.23	347.81	0.09	1520	☐	☐	☐	☐	
16-046	S047335	347.81	349.64	0.05	2030	☐	☐	☐	☐	
16-046	S047336	349.64	352.65	0.08	800	☐	☐	☐	☐	
16-046	S047337	352.65	355.70	0.04	2060	☐	☐	☐	☐	
16-046	S047339	355.70	358.75	0.05	2090	☐	☐	☐	☐	
16-046	S047340	358.75	361.80	0.03	2180	☐	☐	☐	☐	
16-046	S047341	361.80	364.85	0.04	1960	☐	☐	☐	☐	
16-046	S047342	364.85	367.89	0.03	2120	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-046	S047343	364.85	367.89	0.03	2150	☑	☐	☐	☐	
16-046	S047344	367.89	370.94	0.04	2110	☐	☐	☐	☐	
16-046	S047345	370.94	373.99	0.03	2590	☐	☐	☐	☐	
16-046	S047346	373.99	376.50	0.05	560	☐	☐	☐	☐	
16-046	S047348	376.50	378.63	0.07	490	☐	☐	☐	☐	
16-046	S047349	378.63	380.09	0.03	440	☐	☐	☐	☐	
16-046	S047350	380.09	383.13	0.02	720	☐	☐	☐	☐	
16-046	S047351	383.13	385.66	0.02	1570	☐	☐	☐	☐	
16-046	S047352	385.66	387.00	0.03	740	☐	☐	☐	☐	
16-048	S047353	387.00	389.23	0.04	1390	☐	☐	☐	☐	
16-048	S047354	389.23	392.28	0.02	2180	☐	☐	☐	☐	
16-048	S047355	392.28	394.24	0.09	1330	☐	☐	☐	☐	
16-048	S047356	394.24	396.05	0.02	2050	☐	☐	☐	☐	
16-048	S047357	396.05	398.37	0.02	1910	☐	☐	☐	☐	
16-048	S047359	398.37	401.42	0.05	730	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-048	S047360	401.42	404.47	0.05	2950	☐	☐	☐	☐	
16-048	S047361	404.47	406.86	0.18	1590	☐	☐	☐	☐	
16-048	S047362	406.86	409.58	0.11	390	☐	☐	☐	☐	
16-048	S047364	409.58	410.94	0.04	540	☐	☐	☐	☐	
16-048	S047365	410.94	413.61	0.02	730	☐	☐	☐	☐	
16-048	S047366	413.61	416.66	0.02	650	☐	☐	☐	☐	
16-048	S047367	416.66	417.57	0.02	610	☐	☐	☐	☐	
16-048	S047368	416.66	417.57	0.02	620	☐	☑	☐	☐	
16-048	S047369	417.57	419.71	0.04	1290	☐	☐	☐	☐	
16-048	S047370	419.71	421.98	0.07	210	☐	☐	☐	☐	
16-048	S047371	421.98	423.82	0.03	1110	☐	☐	☐	☐	
16-048	S047372	423.82	425.82	0.03	1920	☐	☐	☐	☐	
16-048	S047373	425.82	428.85	0.03	2580	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
26.20	31.02	VT	37	30	NUL	7	Seven 0.2-0.4cm wide oxidized, weathered and pitted quartz/pyrite veinlets.			
								Py	10	BL
31.85	31.99	GO	34	-	NUL	1	Rubbly oxidized orange/red gouge zone hosting trace disseminated pyrite.			
								Py	0.1	DI
33.96	34.65	GO	34	-	NUL	1	Rubbly oxidized orange/red gouge zone hosting trace disseminated pyrite.			
36.10	46.96	VT	37	25	NUL	14	Fourteen 0.3-0.6cm with quartz/pyrite veinlets. They host trace disseminated chalcopyrite.			
								Cp	1	DI
								Py	60	BL
44.82	44.89	VN	37	70	NUL	1	Medium to dark grey quartz vein hosting disseminated to blebby pyrite and trace disseminated molybdenite.			
								Mo	0.1	DI
								Py	8	BL
48.00	56.00	VT	37	60	NUL	9	Nine 0.1-0.5cm quartz/pyrite veinlets.			
								Py	60	BL
49.14	49.15	VN	37	80	NUL	1	Vuggy grey quartz vein hosting disseminated to blebby pyrite and disseminated bornite.			
								Bo	1	DI
								Py	5	BL
58.46	58.47	VN	37	60	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and chalcopyrite and disseminated molybdenite.			
								Mo	1	DI
								Py	30	BL
								Cp	20	BL
59.60	70.67	VT	37	45	NUL	9	Nine 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	60	BL
63.55	63.56	VB	37	15	NUL	1	Quartz vein breccia hosting disseminated to blebby pyrite and disseminated bornite. Vein is broken up.			
								Bo	1	DI
								Py	40	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
66.75	66.76	VT	37	40	NUL	1	Grey quartz veinlet hosting disseminated to blebby pyrite and disseminated chalcopyrite and molybdenite.			
								Mo	1	DI
								Py	40	BL
								Cp	1	DI
68.58	68.59	VT	37	40	NUL	1	0.8cm quartz/pyrite veinlet host blebby pyrite and disseminated chalcopyrite.			
								Py	80	BL
								Cp	1	DI
69.42	69.49	VB	37	-	NUL	1	Rubbly smoky quartz brecciating tan ankerite and porphyry. Hosts disseminated pyrite.			
								Py	1	DI
69.87	69.94	GO	34	-	NUL	1	Orange to dark grey gouge zone.			
73.58	85.64	VT	37	35	NUL	9	Nine 0.3-0.9cm grey quartz veinlets hosting disseminated to blebby pyrite and occasionally blebby chalcopyrite.			
								Cp	5	BL
								Py	60	BL
84.85	85.93	VB	37	60	NUL	1	Grey quartz brecciated by white carbonate hosting disseminated pyrite.			
								Py	2	DI
87.68	88.45	VT	37	50	NUL	3	Three grey quartz veinlets hosting disseminated to blebby pyrite and magnetite. Minor amounts of epidote along veinlet margins.			
								Mg	35	BL
								Py	5	BL
91.93	91.94	VN	37	80	NUL	1	Grey quartz vein hosting blebby pyrite and chalcopyrite.			
								Py	30	BL
								Cp	30	BL
92.15	95.97	VT	37	40	NUL	1	Twelve grey quartz/pyrite veinlets.			
								Py	60	BL
94.63	94.66	DY	37	60	NUL	1	Light pink aplite dyke.			
98.76	98.79	VB	37	60	NUL	1	Grey quartz brecciated by white carbonate. Hosts disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
101.30	103.52	VN	37	50	NUL	3	Three 1cm quartz/carbonate veins hosting disseminated to blebby pyrite.			
								Py	20	BL
103.02	103.13	GO	34	-	NUL	1	Grey/orange oxidized gouge.			
104.11	104.17	VB	37	75	NUL	1	Smoky quartz brecciated by white carbonate. Hosts disseminated pyrite and molybdenite.			
								Mo	1	DI
								Py	5	DI
108.03	108.04	VN	37	30	NUL	1	Grey quartz vein with interstitial carbonate hosting disseminated to blebby pyrite.			
								Py	80	BL
111.28	111.41	VB	37	60	NUL	1	Grey quartz vein brecciated tan and white carbonate. Hosts blebby pyrite and chalcopyrite.			
								Cp	1	BL
								Py	5	BL
111.50	115.45	ST		60	NUL	19	Nineteen pyrite stringers.			
								Py	100	DI
112.69	112.73	VN	37	15	NUL	1	Long low angle quartz vein hosting disseminated to blebby pyrite. This vein connects with or is an offshoot of the vein in the next description.			
								Py	5	BL
112.94	113.05	VN	37	35	NUL	1	Grey quartz with interstitial cream carbonate hosting blebby to semi-massive pyrite and disseminated to blebby chalcopyrite.			
								Py	60	MA
								Cp	5	BL
114.29	114.52	VN	37	40	NUL	2	Two 1-2cm grey to smoky quartz veins hosting blebby pyrite and trace disseminated molybdenite. Veins are partially gouge altered and broken up.			
								Mo	0.1	DI
								Py	50	BL
116.13	122.20	VT	37	60	NUL	9	Nine 0.5-0.9cm quartz/carbonate veinlets hosting disseminated to blebby pyrite.			
								Py	15	BL
125.09	125.18	BX	34	-	NUL	1	Grey to dark grey quartz breccia hosting disseminated to blebby pyrite.			
								Py	10	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
126.00	126.15	BX	34	-	NUL	1	Rubbly and broken up dark grey quartz/tan ankerite breccia in quartz feldspar porphyry dyke. Hosts disseminated pyrite.			
								Py	5	DI
127.10	127.10	BX	34	-	NUL	1	Rubbly and broken up dark grey quartz/tan ankerite breccia in quartz feldspar porphyry dyke.			
131.27	136.81	VT	37	55	NUL	20	Twenty grey quartz veinlets (0.3-0.8cm) +/- white carbonate hosting disseminated pyrite.			
								Py	20	DI
136.50	136.56	VB	37	60	NUL	1	Grey quartz vein brecciated by white carbonate hosting disseminated to blebby pyrite.			
								Py	20	BL
138.35	142.90	VT	37	45	NUL	15	Fifteen 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	50	DI
142.61	142.67	VB	37	65	NUL	1	Smoky quartz vein breccia hosting pebble sized clasts of cream carbonate, grey quartz and porphyry. Hosts disseminated pyrite.			
								Py	1	DI
147.53	154.33	VT	37	50	NUL	22	Twenty-two 0.1-0.9cm wide quartz/pyrite veins.			
								Py	10	BL
147.80	147.86	GO	34	-	NUL	1	Dark grey gouge hosting disseminated pyrite.			
								Py	1	DI
150.55	151.37	VN	37	80	NUL	3	Three 1cm quartz veins hosting blebby pyrite.			
								Py	10	BL
156.65	156.68	VB	37	70	NUL	1	Smoky quartz vein breccia hosting disseminated pyrite.			
								Py	1	DI
156.90	156.97	GO	34	70	NUL	1	Oxidized grey gouge hosting trace disseminated pyrite.			
								Py	1	DI
157.76	158.31	GO	34	-	NUL	1	Very rubbly zone of partial gouge alteration hosts disseminated to blebby pyrite and the fragments of multiple quartz/pyrite veins that hosts trace chalcopyrite.			
								Cp	0.1	DI
								Py	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
160.92	165.56	VN	37	45	NUL	4	Four 1-3 cm wide grey quartz vein hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Py	20	BL
								Cp	1	DI
163.28	167.50	VT	37	60	NUL	14	Fourteen 0.4-0.4cm wide grey quartz veinlets hosting disseminated to blebby pyrite.			
								Py	15	DI
168.19	170.06	GO	34	-	NUL	1	Significantly gouge altered and rubbly phyllic/potassic(?) altered porphyry. Gouge is pervasively oxidized. Hosts disseminated pyrite.			
								Py	1	DI
170.18	170.55	VN	37	60	NUL	2	Banded grey quartz/white carbonate vein hosting disseminated to blebby pyrite and chalcopyrite.			
								Py	15	BL
								Cp	5	BL
174.84	174.86	VN	37	-	NUL	-	Very rubbly and broken up grey quartz vein hosting disseminated to blebby pyrite, chalcopyrite and bornite.			
								Py	10	BL
								Cp	10	BL
								Bo	10	BL
176.62	181.70	VT	37	50	NUL	13	Thirteen 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	10	DI
182.55	182.81	GO	34	-	NUL	1	Oxidized grey to dark grey gouge zone hosting disseminated pyrite.			
								Py	3	DI
184.03	184.05	VB	37	40	NUL	1	Dark grey quartz brecciated by light tan ankerite. Hosts disseminated to blebby pyrite.			
								Py	10	BL
184.19	188.35	VT	37	45	NUL	12	Twelve 0.3-0.8cm wide grey quartz veinlets hosting disseminated to blebby pyrite +/- disseminated to blebby chalcopyrite.			
								Py	15	BL
								Cp	2	BL
192.25	192.32	VN	37	70	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	80	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
192.35	192.38	VN	37	80	NUL	1	Grey to dark grey quartz vein cross-cut by white carbonate veinlets. Hosts disseminated pyrite.			
								Py	2	DI
192.54	199.10	VN	37	45	NUL	9	Nine 1cm wide grey quartz veins hsoting disseminated to blebby pyirte.			
								Py	5	BL
192.60	199.30	VT	37	45	NUL	18	Eighteen grey quartz veinlets. Hosts disseminated to blebby pyrite, +/- disseminated chalcopyrite and molybdenite.			
								Py	5	BL
								Cp	0.1	DI
								Mo	0.1	DI
193.17	193.20	VN	37	40	NUL	1	Grey to dark grey quartz vein cross-cut by white carbonate veinlets. Hosts disseminated to blebby pyrite.			
								Py	40	BL
195.96	195.99	VB	37	60	NUL	1	White carbonate vein breccia with a 1cm smoky vein along its upper selvedge. Hosts disseminated pyrite.			
								Py	1	DI
196.16	196.23	VN	37	60	NUL	1	Massive milky white quartz vein hosting disseminated to blebby pyrite and disseminated chalcopyrite.			
								Cp	1	DI
								Py	5	BL
196.85	197.01	VN	37	60	NUL	1	Massive milky white quartz vein hosting disseminated to blebby pyrite, chalcopyrite and blebby molybdenite.			
								Py	15	BL
								Mo	1	BL
								Cp	3	BL
199.95	199.57	VN	37	40	NUL	1	Irregularly banded grey quartz/white carbonate vein hosting disseminated pyrite.			
								Py	0.1	DI
200.50	210.90	VT	37	40	NUL	8	~8 0.0.1-0.5cm wide grey quartz veinlets hosting disseminated to blebby pyrite.			
								Py	5	DI
200.50	210.90	VT	37	20	NUL	5	~5 0.1-0.3cm wide grey quartz veinlets hosting disseminated pyrite.			
								Py	5	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
200.50	210.90	VT	37	60	NUL	25	~25 0.3-0.7cm wide grey quartz veinlets hosting disseminated to blebby pyrite.			
								Py	5	BL
202.67	202.70	VN	37	60	NUL	1	White carbonate vein exhibiting colloform texture with minor amounts of interstitial grey quartz hosts disseminated pyrite.			
								Py	1	DI
211.00	212.60	ST		30	NUL	50	~50 quartz/pyrite stringers			
								Py	30	DI
211.00	212.60	VT	37	40	NUL	10	Ten 0.1-0.3cm quartz/pyrite veinlets.			
								Py	10	BL
212.09	212.24	VB	37	60	NUL	1	White carbonate vein breccia hosting disseminated to blebby pyrite. Hosts pebble sized clasts of grey quartz. Carbonate exhibits minor colloform textures.			
								Py	20	BL
213.10	224.64	VT	37	60	NUL	26	~26 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	15	DI
213.10	224.64	VT	37	25	NUL	11	~11 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	15	DI
222.47	222.51	GO	34	40	NUL	1	Strongly oxidized orange gouge seam. Hosts trace disseminated pyrite.			
								Py	0.1	DI
224.77	232.20	VT	37	20	NUL	12	~12 0.1-0.3cm wide quartz/pyrite veinlets.			
								Py	15	DI
225.92	232.20	VT	37	60	NUL	18	~18 0.1-0.4cm wide quartz/pyrite veinlets.			
								Py	10	DI
227.17	227.33	GO	34	-	NUL	1	Oxidized grey/orange gouge zone hosting trace disseminated pyrite.			
								Py	0.1	DI
229.79	229.81	VB	37	50	NUL	1	White/tan carbonate brecciating grey quartz. Hosts disseminated pyrite.			
								Py	0.1	DI
237.18	264.15	VT	37	20	NUL	14	~14 quartz/pyrite veinlets.			
								Py	20	DI
237.18	264.15	VT	37	60	NUL	44	~44 quartz/pyrite veinlets.			
								Py	15	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
239.88	264.15	VT	37	50	NUL	10	~10 pyrite/quartz veinlets			
								Py	90	BL
247.36	247.48	GO	34	-	NUL	1	Grey gouge zone.			
250.74	250.76	VN	37	30	NUL	1	Grey quartz vein hosting blebby pyrite.			
253.09	253.15	VN	37	40	NUL	1	Banded grey quartz/white vein hosting disseminated to blebby pyrite.			
								Py	10	BL
258.38	258.40	VN	37	40	NUL	1	Vuggy grey quartz vein hosting blebby pyrite.			
								Py	60	BL
263.26	263.27	VT	37	15	NUL	1	Magnetite veinlet.			
								Mg	100	MA
270.01	270.09	VN	37	70	NUL	1	Grey quartz vein brecciated by tan carbonate. Hosts disseminated to blebby pyrite.			
								Py	5	BL
270.40	283.05	VT	37	25	NUL	16	~16 0.1-0.4cm wide quartz/pyrite veinlets			
								Py	50	DI
270.40	283.05	VT	37	60	NUL	19	~19 0.1-0.5cm wide quartz/pyrite veinlets.			
								Py	15	DI
271.29	271.32	VN	37	50	NUL	1	Massive light grey quartz vein hosting disseminated pyrite.			
								Py	3	DI
271.50	271.51	VN	37	30	NUL	1	Pyrite vein			
								Py	100	MA
274.40	274.50	GO	34	-	NUL	1	Partially gouge altered propyllitic granodiorite.			
286.00	292.05	ST		70	NUL	69	~69 quartz/pyrite stringers.			
								Py	40	DI
289.49	289.94	VN	37	50	NUL	5	Five 1-2cm wide quartz/carbonate vein hosting disseminated pyrite.			
								Py	1	DI
295.44	295.49	VN	37	40	NUL	2	Two 1cm pyrite veins.			
								Py	100	BL
295.55	296.89	VT	37	40	NUL	6	Six quartz/pyrite veinlets			
								Py	30	DI
296.49	296.59	VN	37	65	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	85	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
297.79	319.95	VT	37	60	NUL	34	~34 quartz/pyrite veinlets			
								Py	20	BL
304.80	304.92	GO	34	-	NUL	1	Gouge altered argillic granodiorite.			
305.00	318.52	VT	37	20	NUL	8	~8 quartz/pyrite veinlets.			
								Py	20	BL
305.27	305.28	VT	37	15	NUL	1	Quartz/carbonate veinlet hosting disseminated pyrite.			
								Py	10	DI
306.62	306.64	GO	34	50	NUL	1	Gouge altered quartz/pyrite vein.			
								Py	60	BL
310.20	310.39	GO	34	-	NUL	1	Significantly gouge altered and rubbly propyllitic granodiorite.			
310.89	310.96	VB	37	80	NUL	1	Grey quartz vein hosting blebby pyrite brecciated by white carbonate.			
								Py	60	BL
311.09	311.15	VB	37	80	NUL	1	Grey quartz vein breccia, brecciated by white carbonate. Host disseminated pyrite.			
319.15	349.61	VT	37	70	NUL	50	~50 quartz/pyrite veinlets.			
								Py	20	DI
320.30	342.31	VT	37	20	NUL	16	~16 quartz/pyrite veinlets.			
323.31	323.35	VN	37	80	NUL	1	Grey/green quartz brecciated by white/tan carbonate. Hosts disseminated to blebby pyrite.			
								Py	5	DI
323.67	323.92	VN	37	-	NUL	1	Vein zone where multiple segments of a pyrite vein have been offset. The offsets occur along cream carbonate veinlets and veins. Either the pyrite vein was micro faulted and the carbonate infilled the plane of weakness or the later stage crosscutting of the carbonates offset the pyrite vein.			
								Py	100	MA
324.37	324.52	VN	37	-	NUL	1	Rubbly and broken up quartz/carbonate vein breccia hosting disseminated to blebby pyrite.			
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
331.81	332.39	VN	37	10	NUL	1	Undulating long low angle vuggy white carbonate/grey quartz vein. Hosts disseminated to blebby pyrite, blebby hematite and disseminated chalcopyrite.			
								Py	5	BL
								Cp	0.1	DI
								He	3	BL
340.98	341.03	VN	37	60	NUL	1	Grey quartz vein hosting blebby pyrite.			
								Py	3	BL
345.29	345.32	VB	37	50	NUL	1	White carbonate vein breccia hosting disseminated to blebby pyrite.			
								Py	10	BL
345.81	345.84	VN	37	80	NUL	1	Light tan ankerite vein with interstitial grey quartz hosting disseminated to blebby pyrite and hematite. Vein is cut by white calcite veinlets.			
								Py	5	BL
								He	1	BL
347.46	347.58	VN	37	30	NUL	1	Light tan ankerite vein with minor amounts of interstitial white carbonate hosting disseminated pyrite.			
								Py	1	DI
358.00	375.55	VT	37	65	NUL	25	~ 25 quartz/pyrite veinlets.			
								Py	10	DI
375.45	375.46	VT	37	65	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	60	BL
								Cp	5	BL
388.30	393.15	VT	37	50	NUL	10	~10 grey quartz veinlets hosting disseminated pyrite			
								Py	10	DI
393.94	394.18	BX	34	40	NUL	1	Phyllic granodiorite brecciated by white carbonate and minor amounts of grey quartz. Hosts disseminated to blebby pyrite.			
								Py	5	BL
398.48	398.51	VN	37	50	NUL	1	Cream carbonate/grey quartz vein hosting disseminated to blebby pyrite.			
								Py	10	BL
407.22	407.23	VN	37	20	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and molybdenite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Mo	10	BL
								Py	25	BL
408.95	408.95	VN	37	15	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and magnetite and disseminated molybdenite.			
								Mo	1	DI
								Py	70	BL
								Mg	5	BL
420.87	421.00	VN	37	80	NUL	1	Grey quartz vein with bands of blebby pyrite. Hosts trace disseminated chalcopyrite.			
								Py	40	BL
								Cp	0.1	DI
428.63	428.64	VN	37	30	NUL	1	Cream carbonate vein with minor amounts of quartz hosting disseminated pyrite.			
								Py	5	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382941	6890252	1351.17	230.73

ZONE: Central Klaza

SECTION:

HOLE: KL-16-310

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 6.1m, Out

Drilling Dates: Jul 09 - Jul 11, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
0	32.7	-49.6	Reflex
213.36	38.6	-50.9	Reflex

TARGET: Central Klaza

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.74	3.74	CAS
3.74	8.4	4.66	GRD
8.4	21.83	13.43	GRD
21.83	33.5	11.67	QFP
33.5	48.97	15.47	GRD
48.97	55.86	6.89	GRD
55.86	56.27	0.41	GRD
56.27	56.42	0.15	GRD
56.42	71.44	15.02	GRD
71.44	71.59	0.15	GRD
71.59	78.95	7.36	GRD
78.95	104.06	25.11	GRD
104.06	113.1	9.04	GRD
113.1	149.52	36.42	GRD
149.52	165.47	15.95	QFP
165.47	182.1	16.63	GRD

SAMPLES	
Numbers:	K290644 to K290759, K292750 to K292751
Total:	118
Batch:	020, 034, 035, 038, 040
Certificates:	TR16114056, TR16130330, VA16117079, VA16117083, VA16117085, VA16121836, VA16128082

COMMENTS
I'll fix downhole survey

182.1	188.68	6.58	GRD
188.68	214.39	25.71	GRD
214.39	220.08	5.69	GRD
220.08	230.73	10.65	GRD

Box Log

KL-16-310

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	3.7	8
2	8	12.14
3	12.14	16.26
4	16.26	20.27
5	20.27	24.34
6	24.34	28.84
7	28.84	33.01
8	33.01	36.96
9	36.96	40.87
10	40.87	44.81
11	44.81	48.75
12	48.75	52.74
13	52.74	57
14	57	61.2
15	61.2	65.25
16	65.25	69.19
17	69.19	73.38
18	73.38	77.79
19	77.79	82.13
20	82.13	86.6
21	86.6	90.9
22	90.9	95.22
23	95.22	99.36
24	99.36	103.3
25	103.3	106.9
26	106.9	111.04
27	111.04	115.05
28	115.05	118.97
29	118.97	123.26
30	123.26	126.96
31	126.96	131.21
32	131.21	135.5
33	135.5	139.86
34	139.86	144.13
35	144.13	148.44
36	148.44	152.54
37	152.54	156.61
38	156.61	160.63
39	160.63	164.88
40	164.88	169.28
41	169.28	173.53
42	173.53	177.78
43	177.78	182.2
44	182.2	186.56
45	186.56	190.95
46	190.95	195.39
47	195.39	199.5
48	199.5	203.59
49	203.59	207.84
50	207.84	212.1
51	212.1	215.97
52	215.97	220.08
53	220.08	224.1
54	224.1	228.17
55	228.17	230.73

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-310									
	76.7	20.5	NQ2	GRD	1281.4	844.1	2.94	2.9	Moderately silicified phyllic granodiorite carrying a 7cm quartz vein. Quartz vein hosts blebby pyrite, zoned honey brown sphalerite, arsenopyrite, and minor blebs of galena proximal to the vein, and along the upper selvedge. Blebby pyrite is found along the lower selvedge.
	77.13	13	NQ2	GRD	777.3	505.2	2.82	2.9	Smokey quartz veinlet hosting minor disseminated pyrite.
	173.15	18	NQ2	GRD	1057.2	678.7	2.77	2.8	Intensely silicified propylitic argillic altered granodiorite hosting disseminated pyrite
	176.56	18	NQ2	GRD	1041.3	672.8	2.72	2.8	intensely silicified phyllic altered granodiorite hosting disseminated pyrite
	177.79	10	NQ2	GRD	608.1	400.3	2.86	2.9	Intensely silicified moderately propylitic altered granodiorite. Granodiorite carries quartz carbonate veinlet hosting blebby pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	181	19.5	NQ2	GRD	1097.5	710.2	2.65	2.8	Smokey quartz / carbonate veining occuring within intensely silicified phyllic altered granodiorite. Vein hosts blebby to disseminated pyrite throughout, with carbonate along the upper and lower seveldges. Smokey quartz vein is distal to Smokey quartz/carbonate that strongly brecciate parent granodiorite, carrying clasts ranging from pebble to cobble, as well as blebby to disseminated pyrite within breccia matrix.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.74	8.40	4.66	GRD	MG	Zone of granodiorite that has been highly oxidized and weathered. Oxidized granodiorite carries a brecciated quartz/carbonate vein with trace mineralization. Zone is highly rubbly and fractured.							
						MD	OR	RB	OXI	5I		
						MD	BR	BX				
						MD	BL					
						LT	OR	PA	OXI	4I	Py	0.1
						DK	OR	FR				
8.40	21.83	13.43	GRD	MG	Zone of granodiorite undergoing different intensities of argillic/phyllic alteration, as well as weak to moderate gouge alteration throughout. Granodiorite ranges from weak to strongly phyllic altered to moderate to stronly argillic altered with a varying intensity of phyllic overprinting ranging from none to strong. Within more heavily phyllic altered zones, quartz and quartz/carboante veins hosting sulfide mineralization sporadically crosscut granodiorite. Also present are smokey quartz breccias, pervasively brecciating surrounding argillic/phyllic granodiorite, quartz, and clay clasts.							
						MD	BL		PHC	2I	As	1
						LT	GN	PA	ARG	3I	Py	1
						LT	GY	BX	ARG	2I	Gn	1
									PHC	3I	Sp	1
21.83	33.50	11.67	QFP	--	Green quartz feldspar porphyry dyke following a gouge altered granodiorite contact. Green dyke transitions to light brown quartz feldspar dyke at 31.93m. Both types of quartz feldspar porphyry dyke are weakly to moderately gouge altered, displaying high fractures and rock breakdown in sections throughout the interval. Dyke contacts on both selvedges of the dyke are gradational, displaying high gouge alteration transitioning into the surrounding host rock. Weak to moderate vilification present throughout in patches. Dyke contains patchy grains ranging from sand to cobble sized carbonate clasts							
						LT	GN	PO				
						LT	BR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.50	48.97	15.47	GRD	MG	Granodiorite that displays alternating alteration. Granodiorite displays moderate argillic altered, unaltered, argillic/propylitic altered, and weakly phyllic altered granodiorte. Zone alternated between highly fractured (found within argillic areas) to moderately competent.							
						MD	GN		PRO	2I		
						LT	WH	PA	ARG	2I		
						LT	GN	FR	ARG	3I		
									PHC	2I		
48.97	55.86	6.89	GRD	MG	Granodiorite that has been weakly t omoderately phyllic altered. Granodiorite displays high fractures throughout entire interval. Mineralization occurs both within quartz veins sporadically found throughout, as well as minor disseminated pyrite across the entire interval							
						MD	GN		PHC	3I		
						LT	GN	FR	PHC	2I	Py	2
55.86	56.27	0.41	GRD	MG	Granodiorite displaying patchy weakly argillic, weakly argillic/phyllic, moderately phyllic, and strong potassic altered granodiorite. Phyllic altered granodiorite hosts sporaddic sulfide bearing quartz veins. Zone displays weak to moderate gouge alteration along patches of argillic alteration.							
						MD	GN	FR	PHC	3I	Gn	0.1
						MD	RD		ARG	2I	Sp	0.1
						MD	WH		POT	3I		
						LT	GN	PA	PHC	2I	Py	1
						LT	RD		ARG	3I	As	0.1
									POT	4I		
71.44	71.59	0.15	GRD	--	Extremely gouge altered fault zone. Interval is extremely broken down and displays no competence whatsoever. Area surrounding interval is highly fractured.							
						LT	GY	RB				
71.59	78.95	7.36	GRD	MG	Granodiorite displaying patchy weakly argillic, weakly argillic/phyllic, moderately phyllic, and strong potassic altered granodiorite. Phyllic altered granodiorite hosts sporaddic sulfide bearing quartz veins. Zone displays weak to moderate gouge alteration along patches of argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		POT	3I		
						MD	GN		PHC	3I		
						MD	RD		ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	RD		ARG	3I		
									POT	4I		
84.73	85.48	0.75	GRD	MG	Halo of weakly argillic/phyllic alteration moving towards a phyllic altered halo at the centre of the halo. Quartz/sulfide vein found within the halo.							
						MD	GN		PHC	3I	Sp	3
						LT	GN		PHC	2I	Py	5
									ARG	2I	Gn	0.1
85.81	85.82	0.01	APL	--	Red aplite dyke (1cm)							
						LT	RD					
93.64	93.67	0.03	GRD	MG	Dark magnetic zenolith found within unaltered granodiorite.							
						MD	BL	XN				
97.75	98.10	0.35	GRD	MG	Unaltered granodiorite hosting a large black magnetic zenolith. Zenolith is only magnetic along lower half due to pyrite stringer altering and cutting through upper half.7							
						MD	BL	XN			Py	1
100.55	101.07	0.52	GRD	MG	Weakly propylitic altered granodirite hosting calcite veins and veinlets ranging from 0.1 to 1cm wide throughout.							
						MD	GN		PRO	2I		
104.06	106.90	2.84	GRD	MG	Moderate to strongly argillic altered granodiorite. Contains patchy argillic/phyllic and argillic/propylitic alteration that hosts sporadic carbonate veins and veinlets. Veins occasionally host sulfides.							
						MD	WH	PA	ARG	2I	Py	1
						MD	GN		ARG	4I		
						LT	PK		PRO	2I		
						LT	GN		ARG	3I		
									PRO	3I		
									PHC	2I		
									PHC	3I		
106.90	108.32	1.42	GRD	MG	Argillic/propylitic to argillic/phyllic altered granodiorite. Hosts carbonate veins, one of which hosts blebby pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
						MD	WH		PRO	2I		
						LT	GN	PA	PHC	2I	Py	1
									PRO	3I		
									ARG	2I		
110.40	111.09	0.69	GRD	MG	Weakly argillic/phyllic altered granodiorite. Hosts low angle carbonate veins.							
						LT	GN		PHC	2I		
						LT	WH		ARG	2I		
113.10	115.42	2.32	GRD	MG	Weakly propylitic to potassic altered granodiorite. Moderately fractured.							
						LT	GN	FR	PRO	2I		
						LT	PK		POT	2I		
115.42	117.33	1.91	GRD	MG	Moderate to highly argillic altered granodiorite with trace potassic overprinting. Rock is highly fractured and displays beginning signs of breakdown.							
						MD	WH	FR	ARG	3I		
						LT	PK		ARG	4I		
									POT	1I		
117.33	125.83	8.50	GRD	MG	Weakly propylitic/potassic altered granodiorite. Displays patches of weakly argillic altered granodiorite. Section is highly silicified, and also contains a highly fractured zone.							
						MD	GN	PA	PRO	2I		
						MD	WH		ARG	3I		
						LT	PK	FR	POT	2I		
125.83	131.28	5.45	GRD	MG	Moderately phyllic altered granodiorite with patches of weak potassic/propylitic zones. Contains occasional carbonate vein.							
						MD	GN		PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	PK		POT	1I		
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
131.28	149.52	18.24	GRD	MG	Trace to weak patchy propylitic/potassic altered granodiorite that has undegone high silicification. Contains small patches of strong argillic alteration that are rubbly and broken down. Zenoliths present throughout, along with sporadic quartz veins/veinlets that host minor sulfides.							
						MD	GN	FR	PRO	3I		
						MD	WH		ARG	2I		
						LT	GN	PA	PRO	2I	Py	0.1
						LT	RD		POT	2I		
									ARG	3I		
149.52	160.63	11.11	QFP	VF	Black magnetic quartz feldspar porphyry dyke transitioning into grey quartz feldspar porphyry dyke. Contains sporadic quartz veins with minor pyrite mineralization throughout.							
						MD	GY					
						DK	BL	PO			Py	1
165.47	166.18	0.71	GRD	MG	Argillic altered granodiorite carrying grains of smokey quartz (roughly pebble size). Tan carbonate veins crosscut throughout.							
						MD	TN		SIL	3I		
						LT	TN		ARG	3I		
						LT	WH					
166.18	170.77	4.59	GRD	FG	Intensely silicified granodiorite that displays weak propylitic and trace potassic alteration. Silicification along interval destroys the majority of rock textures, leaving only small grains within the granodiorite. Quartz/carbonate stringers present that host minor disseminated pyrite.							
						MD	GN		POT	1I	Py	0.1
						LT	RD		PRO	2I		
									SIL	4I		
									SIL	5I		
170.77	182.10	11.33	GRD	FG	intensely silicified granodiorite displaying patchy weak o moderate argillic/phyllic to propylitic alteration. Smokey quartz and carbonate vein and veinlets crosscut this interval through all alteration types. Smokey quartz brecciates silicified granodiorite in multiple zones throughout.							
						MD	GN		SIL	5I		
						LT	GN	PA	SIL	4I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	TN		ARG	2I		
						LT	GY		PRO	2I		
									PRO	3I		
184.57	187.26	2.69	GRD	MG	Zone of granodiorite that displays patchy propylitic, argillic, and propylitic/potassic alteration.							
						MD	GN		POT	2I		
						MD	WH					
						LT	GN	PA	PRO	3I		
						LT	RD		ARG	3I		
188.68	190.95	2.27	GRD	MG	Trace propylitic to potassic altered granodiorite.							
						MD	GN		PRO	1I		
						LT	PK		POT	1I		
202.12	202.47	0.35	VEN	--	Modearte phyllic argillic altered granodiorite hosting a large smokey quartz vein (6cm)							
						MD	GY					
214.39	220.08	5.69	GRD	MG	patchy moderate to strongly argillic and propylitic altered granodiorite. Alteration occurs in recurring patchy intervals throughout. Propylitic altered granodiorite hosts chlorite stringers throughout.							
						MD	GN	PA	PRO	3I	Py	1
						MD	WH		ARG	3I		
						LT	GN					
220.08	228.17	8.09	GRD	MG	Weak proplylitic/potassic altered granodioriote transitioning into alternating patches of weak to moderate argillic/propylitic to argillic/phyllic, and weak propylitic altered granodiorite. Argillic/phyllic altered zones contain sulfide mineralization along quartz veins.							
						MD	GN		ARG	3I		
						MD	WH		PRO	3I		
						LT	GN	PA	ARG	2I	Py	2
						LT	PK		PHC	2I		
						DK	GN		PRO	2I		
									PHC	3I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
228.17	230.73	2.56	GRD	MG	Moderately propylitic altered granodiorite carring black magnetic zenoliths, as well as magnetic veinlets and stringers of black magnetic material (magnetite? Black, magnetic, but scratches soft).							
						MD	GN	---	PRO	3I	Ma	3
						DK	BL					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.74	8.40	4.66	GRD	MG	Zone of granodiorite that has been highly oxidized and weathered. Oxidized granodiorite carries a brecciated quartz/carbonate vein with trace mineralization. Zone is highly rubbly and fractured.							
						MD	OR	RB	OXI	5I		
						DK	OR	FR				
						MD	BR	BX				
						MD	BL					
						LT	OR	PA	OXI	4I	Py	0.1
8.40	21.83	13.43	GRD	MG	Zone of granodiorite undergoing different intensities of argillic/phyllic alteration, as well as weak to moderate gouge alteration throughout. Granodiorite ranges from weak to strongly phyllic altered to moderate to stronly argillic altered with a varying intensity of phyllic overprinting ranging from none to strong. Within more heavily phyllic altered zones, quartz and quartz/carboante veins hosting sulfide mineralization sporadically crosscut granodiorite. Also present are smokey quartz breccias, pervasively brecciating surrounding argillic/phyllic granodiorite, quartz, and clay clasts.							
						LT	GN	PA	ARG	3I	Py	1
						LT	GY	BX	ARG	2I	Gn	1
									PHC	3I	Sp	1
						MD	BL		PHC	2I	As	1
21.83	33.50	11.67	QFP	--	Green quartz feldspar porphyry dyke following a gouge altered granodiorite contact. Green dyke transitions to light brown quartz feldspar dyke at 31.93m. Both types of quartz feldspar porphyry dyke are weakly to moderately gouge altered, displaying high fractures and rock breakdown in sections throughout the interval. Dyke contacts on both selvedges of the dyke are gradational, displaying high gouge alteration transitioning into the surrounding host rock. Weak to moderate vilification present throughout in patches. Dyke contains patchy grains ranging from sand to cobble sized carbonate clasts							
						LT	BR					
						LT	GN	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.50	48.97	15.47	GRD	MG	Granodiorite that displays alternating alteration. Granodiorite displays moderate argillic altered, unaltered, argillic/propylitic altered, and weakly phyllic altered granodiorte. Zone alternated between highly fractured (found within argillic areas) to moderately competent.							
									PHC	2I		
						MD	GN		PRO	2I		
						LT	WH	PA	ARG	2I		
						LT	GN	FR	ARG	3I		
48.97	55.86	6.89	GRD	MG	Granodiorite that has been weakly t omoderately phyllic altered. Granodiorite displays high fractures throughout entire interval. Mineralization occurs both within quartz veins sporadically found throughout, as well as minor disseminated pyrite across the entire interval							
						LT	GN	FR	PHC	2I	Py	2
						MD	GN		PHC	3I		
55.86	56.27	0.41	GRD	MG	Granodiorite displaying patchy weakly argillic, weakly argillic/phyllic, moderately phyllic, and strong potassic altered granodiorite. Phyllic altered granodiorite hosts sporaddic sulfide bearing quartz veins. Zone displays weak to moderate gouge alteration along patches of argillic alteration.							
						LT	RD		ARG	3I	As	0.1
						MD	WH		POT	3I		
						MD	RD		ARG	2I	Sp	0.1
						MD	GN	FR	PHC	3I	Gn	0.1
						LT	GN	PA	PHC	2I	Py	1
									POT	4I		
71.44	71.59	0.15	GRD	--	Extremely gouge altered fault zone. Interval is extremely broken down and displays no competence whatsoever. Area surrounding interval is highly fractured.							
						LT	GY	RB				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
71.59	78.95	7.36	GRD	MG	Granodiorite displaying patchy weakly argillic, weakly argillic/phyllic, moderately phyllic, and strong potassic altered granodiorite. Phyllic altered granodiorite hosts sporaddic sulfide bearing quartz veins. Zone displays weak to moderate gouge alteration along patches of argillic alteration.							
						MD	GN	FR	PHC	3I		
									POT	4I		
						MD	WH		POT	3I		
						MD	RD		ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	RD		ARG	3I		
78.95	104.06	25.11	GRD	MG	Zone of largely unaltered granodiorite. Zone contains patchy phyllic to argillic/phyllic halos. These halos host occasional quartz veins with sulfide mineralization.							
									---	--		
									PHC	3I	Py	0.1
						LT	GN	PA	PHC	2I	Gn	0.1
104.06	113.10	9.04	GRD	MG	Moderate to strongly argillic altered granodiorite. Contains patchy argillic/phyllic and argillic/propylitic alteration that hosts sporadic carbonate veins and veinlets. Veins occasionally host sulfides.							
						LT	PK		PRO	2I		
						MD	WH	PA	ARG	2I	Py	1
						LT	GN		ARG	3I		
									PRO	3I		
									PHC	2I		
									PHC	3I		
						MD	GN		ARG	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
113.10	149.52	36.42	GRD	MG	Granodiorite undergoing large intervals of unaltered to weakly/slightly modearte propylitic/potassic altered granodiorite, alternating with moderate to strongly argillic altered granodiorite. Argillic granodiorite has low competence when compared to propylitic/potassic altered granodiorite. Interval contains patches of phyllic overprinting throughout both argillic and propylitic/potassic stages, which sporadically host carbonate veins (no sulfide mineralization present). Interval also contains small patches of highly fractured rock.							
									PHC	3I		
									POT	2I		
									PHC	2I		
									PRO	3I		
						MD	WH		ARG	4I		
						LT	PK		ARG	3I		
						LT	GN	PA	ARG	2I		
						MD	GN		PRO	2I		
149.52	165.47	15.95	QFP	VF	Black magnetic quartz feldspar porphyry dyke transitioning into grey quartz feldspar porphyry dyke. After grey quartz feldspar porphyry dyke, light green/brown dtje cibtaubs carbonate veins and brecciation sporadically throughout. Contains sporadic quartz veins with minor pyrite mineralization throughout.							
						MD	GY					
						DK	BL	PO			Py	1
165.47	182.10	16.63	GRD	FG	Extremely silicified granodiorite that displays patches of weak to moderate propylitic and argillic/propylitic altered granodiorite. Silicification of this granodiorite zone breaks down rock textures to very fine grained size, making it resemble quartz feldspar porphyry dyke. Quartz and quartz carbonate veinlets and stringers found throughout.							
						MD	WH		ARG	2I		
						MD	GN		PRO	3I		
						LT	GN	PA	PRO	2I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
182.10	188.68	6.58	GRD	MG	Moderate to patches of strong argillic/phyllic altered granodiorite. Zone contains a 70cm interval of strongly potassic altered granodiorite, as well as a zone of patchy strongly propylitic, argillic and unaltered granodiorite. Zone hosts carbonate and quartz veins throughtout which carries sulfide.							
						MD	GN		PRO	2I	Gn	0.1
						LT	RD		POT	3I		
						LT	WH		PRO	3I	Sp	0.1
						LT	GN	PA	ARG	3I	Py	1
						MD	RD		PHC	2I		
188.68	214.39	25.71	GRD	MG	Granodiorite alternating between moderate propylitic, phyllic, argillic/propylitic, and argillic granodiorite. Contains small patches of trace propylitic/potassic granodiorite. Zone carries carvonate and quartz/carbonate veins that host blebby pyrite, and disseminated galena and sphalerite.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN		PHC	3I	Sp	0.1
						LT	RD		PRO	2I	Gn	0.1
						MD	WH		PRO	3I		
									ARG	3I		
									POT	1I		
									PRO	1I		
214.39	220.08	5.69	GRD	MG	patchy moderate to strongly argillic and propylitic altered granodiorite. Alteration occurs in recurring patchy intervals throughout. Propylitic altered granodiorite hosts chlorite stringers throughout.							
						LT	GN					
						MD	WH		ARG	3I		
						MD	GN	PA	PRO	3I	Py	1
220.08	230.73	10.65	GRD	MG	Weak proplylitic/potassic altered granodioriote transitioning into alternating patches of weak to moderate argillic/propylitic to argillic/phyllic, and weak propylitic altered granodiorite. Argillic/phyllic altered zones contain sulfide mineralization along quartz veins.							
									POT	2I		
						LT	GN	PA	ARG	2I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		ARG	3I		
						DK	GN		PRO	2I		
						MD	WH		PRO	3I		
						LT	PK		PHC	2I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.70	3.70	0	0	0.00	0	--	--	--	Cased
3.70	5.18	1.48	1	68	0.00	0	--	1H	5W	
5.18	8.23	3.05	2.1	69	0.12	4	--	1H	5W	
8.23	11.28	3.05	2.62	86	0.46	15	--	1H	4W	
11.28	14.33	3.05	2.66	87	0.49	16	--	2H	2W	
14.33	17.37	3.04	2.64	87	0.72	24	--	1H	1W	
17.37	20.42	3.05	2.69	88	2.30	75	--	1H	1W	
20.42	23.47	3.05	2.42	79	0.17	6	--	1H	1W	gouge
23.47	26.52	3.05	2.6	85	0.99	32	--	2H	1W	
26.52	29.57	3.05	2.86	94	1.17	38	--	2H	1W	
29.57	32.61	3.04	2.57	85	0.76	25	--	2H	1W	
32.61	35.66	3.05	2.23	73	0.16	5	--	2H	1W	
35.66	38.71	3.05	2.59	85	0.54	18	--	1H	1W	
38.71	41.76	3.05	2.36	77	0.00	0	--	1H	1W	
41.76	44.81	3.05	2.53	83	0.00	0	--	2H	1W	
44.81	47.85	3.04	2.65	87	0.43	14	--	1H	1W	
47.85	50.90	3.05	2.74	90	0.45	15	--	1H	1W	
50.90	53.95	3.05	2.78	91	0.25	8	--	1H	1W	
53.95	57.00	3.05	2.94	96	1.17	38	--	1H	1W	
57.00	60.05	3.05	2.93	96	1.69	55	--	2H	1W	
60.05	63.09	3.04	2.88	95	1.00	33	--	1H	1W	
63.09	66.14	3.05	3.05	100	1.08	35	--	1H	1W	
66.14	69.19	3.05	3.02	99	1.07	35	--	2H	1W	
69.19	72.24	3.05	2.91	95	0.65	21	--	1H	1W	
72.24	75.29	3.05	3.05	100	2.29	75	--	2H	1W	
75.29	78.33	3.04	2.9	95	2.03	67	--	3H	1W	
78.33	81.38	3.05	2.86	94	2.34	77	--	3H	1W	
81.38	84.43	3.05	2.97	97	2.40	79	--	3H	1W	
84.43	87.48	3.05	3	98	2.58	85	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.95	97	2.24	73	--	3H	1W	
90.53	93.57	3.04	2.96	97	2.27	75	--	3H	1W	
93.57	96.62	3.05	3	98	1.83	60	--	3H	1W	
96.62	99.67	3.05	2.94	96	1.03	34	--	2H	1W	
99.67	102.72	3.05	2.65	87	0.74	24	--	2H	1W	
102.72	105.77	3.05	2.58	85	1.21	40	--	2H	1W	
105.77	108.81	3.04	2.05	67	0.62	20	--	2H	1W	rubbly zone
108.81	111.86	3.05	2.92	96	0.99	32	--	2H	1W	
111.86	114.91	3.05	2.73	90	0.89	29	--	3H	1W	
114.91	117.96	3.05	2.42	79	0.46	15	--	2H	1W	
117.96	121.01	3.05	2.57	84	0.54	18	--	2H	1W	
121.01	124.05	3.04	2.26	74	0.47	15	--	3H	1W	
124.05	127.10	3.05	2.62	86	0.53	17	--	2H	1W	
127.10	130.15	3.05	2.64	87	1.15	38	--	2H	1W	
130.15	133.20	3.05	2.86	94	1.58	52	--	3H	1W	
133.20	136.25	3.05	2.87	94	2.00	66	--	4H	1W	
136.25	139.29	3.04	2.87	94	1.53	50	--	4H	1W	
139.29	142.34	3.05	2.61	86	1.39	46	--	3H	1W	
142.34	145.39	3.05	2.94	96	2.11	69	--	4H	1W	
145.39	148.44	3.05	3	98	1.71	56	--	4H	1W	
148.44	151.49	3.05	3	98	2.03	67	--	4H	1W	
151.49	154.53	3.04	2.82	93	1.63	54	--	4H	1W	
154.53	157.58	3.05	2.54	83	0.59	19	--	4H	1W	
157.58	160.63	3.05	2.9	95	2.02	66	--	3H	1W	
160.63	163.68	3.05	2.79	91	1.49	49	--	3H	1W	
163.68	166.73	3.05	3	98	1.93	63	--	3H	1W	
166.73	169.77	3.04	3.02	99	2.50	82	--	3H	1W	
169.77	172.82	3.05	3.04	100	2.41	79	--	4H	1W	
172.82	175.87	3.05	3	98	1.88	62	--	3H	1W	
175.87	178.92	3.05	3.05	100	2.85	93	--	3H	1W	
178.92	181.97	3.05	2.96	97	2.04	67	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.03	100	2.20	72	--	3H	1W	
185.01	188.06	3.05	2.86	94	1.82	60	--	3H	1W	
188.06	191.11	3.05	3.03	99	2.62	86	--	3H	1W	
191.11	194.16	3.05	3.02	99	2.67	88	--	4H	1W	
194.16	197.21	3.05	2.96	97	2.37	78	--	3H	1W	
197.21	200.25	3.04	2.82	93	1.86	61	--	3H	1W	
200.25	203.30	3.05	2.66	87	2.02	66	--	4H	1W	
203.30	206.35	3.05	2.82	92	2.09	69	--	3H	1W	
206.35	209.40	3.05	2.79	91	1.79	59	--	3H	1W	
209.40	212.45	3.05	3.05	100	2.24	73	--	3H	1W	
212.45	215.49	3.04	2.89	95	1.23	40	--	3H	1W	
215.49	218.54	3.05	2.76	90	0.85	28	--	4H	1W	
218.54	221.59	3.05	2.85	93	1.35	44	--	3H	1W	
221.59	224.64	3.05	2.77	91	0.74	24	--	3H	1W	
224.64	227.69	3.05	2.78	91	2.15	70	--	3H	1W	
227.69	230.73	3.04	2.97	98	2.08	68	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	CAS	
1	0	CAS	
2	0	CAS	
3	0	CAS	
4	23.3	GRD	
5	0.098	GRD	
6	0.183	GRD	
7	0.217	GRD	
8	0.156	GRD	
9	0.278	GRD	
10	0.211	GRD	
11	0.283	GRD	
12	0.218	GRD	
13	0.198	GRD	
14	0.323	GRD	
15	0.225	GRD	
16	0.241	GRD	
17	0.267	GRD	
18	0.217	GRD	
19	0.32	GRD	
20	0.508	GRD	
21	0.18	GRD	
22	0.281	QFP	
23	0.267	QFP	
24	0.225	QFP	
25	0.245	QFP	
26	0.291	QFP	
27	0.213	QFP	
28	0.198	QFP	
29	0.275	QFP	
30	0.267	QFP	
31	0.169	QFP	
32	0.168	QFP	
33	0.225	QFP	
34	0.115	GRD	
35	0.381	GRD	
36	0.28	GRD	
37	0.403	GRD	
38	0.157	GRD	
39	0.208	GRD	
40	0.201	GRD	
41	0.305	GRD	
42	7.44	GRD	
43	10.6	GRD	
44	4.44	GRD	
45	8.82	GRD	
46	2.7	GRD	
47	0	GRD	to fractured to mag
48	0	GRD	to fractured to mag
49	0.129	GRD	
50	0.136	GRD	
51	0	GRD	to fractured to mag
52	0	GRD	to fractured to mag
53	0.325	GRD	
54	0.385	GRD	
55	0.156	GRD	
56	0.154	GRD	
57	0.266	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.238	GRD	
59	0.638	GRD	
60	1.68	GRD	
61	0.431	GRD	
62	0.305	GRD	
63	0.219	GRD	
64	0.213	GRD	
65	0.15	GRD	
66	0.16	GRD	
67	0.166	GRD	
68	0.165	GRD	
69	0.191	GRD	
70	0.143	GRD	
71	0.298	GRD	
72	0.216	GRD	
73	0.489	GRD	
74	0.422	GRD	
75	0.353	GRD	
76	0.149	GRD	
77	0.125	GRD	
78	0.198	GRD	
79	1.35	GRD	
80	0.459	GRD	
81	0.81	GRD	
82	15.1	GRD	
83	15.8	GRD	
84	0.501	GRD	
85	0.4	GRD	
86	36.5	GRD	
87	18	GRD	
88	38.6	GRD	
89	1.89	GRD	
90	0.475	GRD	
91	38.6	GRD	
92	38.7	GRD	
93	43.4	GRD	
94	15.8	GRD	
95	35.1	GRD	
96	19.1	GRD	
97	3.4	GRD	
98	50.7	GRD	
99	0	GRD	to fractured to mag
100	16.9	GRD	
101	2.04	GRD	
102	22.4	GRD	
103	13	GRD	
104	29.4	GRD	
105	1.08	GRD	
106	13.9	GRD	
107	0.252	GRD	
108	0.153	GRD	
109	0.348	GRD	
110	15.7	GRD	
111	0.518	GRD	
112	4.18	GRD	
113	5.34	GRD	
114	16.3	GRD	
115	23.9	GRD	
116	1.16	GRD	
117	7.22	GRD	
118	0.279	GRD	
119	34.2	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	3.95	GRD	
121	36.3	GRD	
122	19.7	GRD	
123	0.845	GRD	
124	27.1	GRD	
125	33.3	GRD	
126	0.688	GRD	
127	15.3	GRD	
128	16.7	GRD	
129	25.1	GRD	
130	0.538	GRD	
131	0.428	GRD	
132	15.7	GRD	
133	43.7	GRD	
134	15.7	GRD	
135	44.65	GRD	
136	43.9	GRD	
137	24.7	GRD	
138	41.6	GRD	
139	6.22	GRD	
140	47	GRD	
141	5.26	GRD	
142	46.4	GRD	
143	27.9	GRD	
144	0.239	GRD	
145	41.3	GRD	
146	22.1	GRD	
147	45.2	GRD	
148	1.03	GRD	
149	18.5	GRD	
150	32	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	1.19	QFP	
152	31.7	QFP	
153	23	QFP	
154	28.7	QFP	
155	2.18	QFP	
156	1.21	QFP	
157	73.3	QFP	
158	0.263	QFP	
159	0.247	QFP	
160	0.279	QFP	
161	0.194	QFP	
162	0.517	QFP	
163	0.223	QFP	
164	0.353	QFP	
165	0.322	QFP	
166	0.836	GRD	
167	0.234	GRD	
168	0.273	GRD	
169	0.216	GRD	
170	0.207	GRD	
171	0.231	GRD	
172	0.238	GRD	
173	0.27	GRD	
174	0.206	GRD	
175	0.196	GRD	
176	0.29	GRD	
177	0.291	GRD	
178	0.251	GRD	
179	0.829	GRD	
180	1.346	GRD	
181	0.569	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	0.372	GRD	
183	0.45	GRD	
184	0.158	GRD	
185	0.205	GRD	
186	0.168	GRD	
187	2.638	GRD	
188	0.352	GRD	
189	2.078	GRD	
190	23.82	GRD	
191	0.539	GRD	
192	0.324	GRD	
193	0.641	GRD	
194	0.317	GRD	
195	0.315	GRD	
196	0.744	GRD	
197	0.814	GRD	
198	0.451	GRD	
199	0.733	GRD	
200	0.244	GRD	
201	3.811	GRD	
202	0.301	GRD	
203	5.756	GRD	
204	29.78	GRD	
205	16.86	GRD	
206	2.74	GRD	
207	0.392	GRD	
208	22.84	GRD	
209	0.407	GRD	
210	0.376	GRD	
211	0.233	GRD	
212	0.426	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
213	0.226	GRD	
214	0.138	GRD	
215	0.185	GRD	
216	0.355	GRD	
217	0.504	GRD	
218	0.452	GRD	
219	4.994	GRD	
220	0.314	GRD	
221	0.281	GRD	
222	0.292	GRD	
223	0.217	GRD	
224	14.56	GRD	
225	0.337	GRD	
226	0.217	GRD	
227	5.381	GRD	
228	1.561	GRD	
229	27.53	GRD	
230	20.53	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290665	☐	16-035		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290671	☐	16-035			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290674	☐	16-035		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290683	☐	16-035			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290697	☐	16-038		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290704	☐	16-038			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290711	☐	16-038		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290716	☐	16-038			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290732	☐	16-040		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290738	☐	16-040			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290750	☐	16-040			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290754	☐	16-040		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290645	☐	16-034		KL-STD5	☐	☐	☐
5.18	6.07	0.89	GRD	0.53	60	K290644	☐	16-034			☐	☐	☐
6.07	6.70	0.63	GRD	0.50	79	K290646	☐	16-034			☐	☐	☐
6.70	8.37	1.67	GRD	1.56	93	K290647	☐	16-034			☐	☐	☐
8.37	9.16	0.79	GRD	0.79	100	K290648	☐	16-034			☐	☐	☐
9.16	9.83	0.67	GRD	0.67	100	K290649	☐	16-034			☐	☐	☐
9.83	11.56	1.73	GRD	1.46	84	K290650	☐	16-034			☐	☐	☐
11.56	12.71	1.15	GRD	1.05	91	K292750	☐	16-020	HG		☐	☐	☐
12.71	13.40	0.69	GRD	0.60	87	K290651	☐	16-034			☐	☐	☐
13.40	14.33	0.93	GRD	0.93	100	K290652	☐	16-034			☐	☐	☐
14.33	14.88	0.55	GRD	0.52	95	K290653	☐	16-035			☐	☐	☐
14.88	16.08	1.20	GRD	0.80	67	K290654	☐	16-035			☐	☐	☐
16.08	17.16	1.08	GRD	1.08	100	K290655	☐	16-035			☐	☐	☐
17.16	17.83	0.67	GRD	0.67	100	K290656	☐	16-035			☐	☐	☐
17.83	19.34	1.51	GRD	1.44	95	K290657	☐	16-035			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
19.34	20.03	0.69	GRD	0.64	93	K290658	☐	16-035			☐	☐	☐
19.34	20.03	0.69	GRD	0.64	93	K290659	☐	16-035			☐	☐	☑
20.03	20.86	0.83	GRD	0.83	100	K290660	☐	16-035			☐	☐	☐
20.86	21.87	1.01	GRD	0.94	93	K290661	☐	16-035			☐	☐	☐
21.87	23.04	1.17	QFP	1.07	91	K290662	☐	16-035			☐	☐	☐
32.61	33.10	0.49	QFP	0.49	100	K290663	☐	16-035			☐	☐	☐
33.10	33.60	0.50	QFP	0.50	100	K290664	☐	16-035			☐	☐	☐
33.60	34.10	0.50	GRD	0.50	100	K290666	☐	16-035			☐	☐	☐
34.10	35.66	1.56	GRD	1.56	100	K290667	☐	16-035			☐	☐	☐
35.66	36.20	0.54	GRD	0.54	100	K290668	☐	16-035			☐	☐	☐
36.20	36.88	0.68	GRD	0.68	100	K290669	☐	16-035			☐	☐	☐
36.88	37.38	0.50	GRD	0.50	100	K290670	☐	16-035			☐	☐	☐
37.38	37.88	0.50	GRD	0.50	100	K290672	☐	16-035			☐	☐	☐
37.88	38.55	0.67	GRD	0.57	85	K290673	☐	16-035			☐	☐	☐
38.55	38.90	0.35	GRD	0.35	100	K292751	☐	16-020	HG		☐	☐	☐
38.90	39.77	0.87	GRD	0.70	80	K290675	☐	16-035			☐	☐	☐
39.77	40.46	0.69	GRD	0.69	100	K290676	☐	16-035			☐	☐	☐
40.46	41.00	0.54	GRD	0.54	100	K290677	☐	16-035			☐	☐	☐
40.46	41.00	0.54	GRD	0.54	100	K290678	☐	16-035			☐	☑	☐
45.86	46.36	0.50	GRD	0.50	100	K290679	☐	16-035			☐	☐	☐
46.36	47.17	0.81	GRD	0.56	69	K290680	☐	16-035			☐	☐	☐
47.17	48.00	0.83	GRD	0.83	100	K290681	☐	16-035			☐	☐	☐
48.00	48.50	0.50	GRD	0.50	100	K290682	☐	16-035			☐	☐	☐
48.50	50.56	2.06	GRD	2.03	99	K290684	☐	16-035			☐	☐	☐
50.56	51.22	0.66	GRD	0.56	85	K290685	☐	16-035			☐	☐	☐
51.22	51.85	0.63	GRD	0.63	100	K290686	☐	16-035			☐	☐	☐
51.85	52.35	0.50	GRD	0.50	100	K290687	☐	16-035			☐	☐	☐
52.35	53.00	0.65	GRD	0.65	100	K290688	☐	16-035			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
53.00	54.31	1.31	GRD	1.31	100	K290689	☐	16-038			☐	☐	☐
54.31	55.00	0.69	GRD	0.69	100	K290690	☐	16-038			☐	☐	☐
55.00	55.56	0.56	GRD	0.56	100	K290691	☐	16-038			☐	☐	☐
55.56	56.71	1.15	GRD	1.15	100	K290692	☐	16-038			☐	☐	☐
56.71	57.33	0.62	GRD	0.57	92	K290693	☐	16-038			☐	☐	☐
56.71	57.33	0.62	GRD	0.57	92	K290694	☐	16-038			☐	☑	☐
57.33	60.13	2.80	GRD	2.80	100	K290695	☐	16-038			☐	☐	☐
60.13	63.13	3.00	GRD	3.00	100	K290696	☐	16-038			☐	☐	☐
63.13	63.73	0.60	GRD	0.60	100	K290698	☐	16-038			☐	☐	☐
63.73	64.30	0.57	GRD	0.57	100	K290699	☐	16-038			☐	☐	☐
64.30	64.80	0.50	GRD	0.50	100	K290700	☐	16-038			☐	☐	☐
64.80	65.40	0.60	GRD	0.60	100	K290701	☐	16-038			☐	☐	☐
65.40	66.68	1.28	GRD	1.28	100	K290702	☐	16-038			☐	☐	☐
66.68	67.16	0.48	GRD	0.48	100	K290703	☐	16-038			☐	☐	☐
67.16	67.90	0.74	GRD	0.74	100	K290705	☐	16-038			☐	☐	☐
67.90	69.00	1.10	GRD	1.10	100	K290706	☐	16-038			☐	☐	☐
69.00	69.53	0.53	GRD	0.53	100	K290707	☐	16-038			☐	☐	☐
69.53	70.07	0.54	GRD	0.54	100	K290708	☐	16-038			☐	☐	☐
70.07	71.24	1.17	GRD	1.13	97	K290709	☐	16-038			☐	☐	☐
71.24	74.26	3.02	GRD	2.39	79	K290710	☐	16-038			☐	☐	☐
74.26	75.59	1.33	GRD	1.33	100	K290712	☐	16-038			☐	☐	☐
75.59	76.10	0.51	GRD	0.51	100	K290713	☐	16-038			☐	☐	☐
76.10	76.60	0.50	GRD	0.50	100	K290714	☐	16-038			☐	☐	☐
76.60	77.17	0.57	GRD	0.57	100	K290715	☐	16-038			☐	☐	☐
77.17	77.83	0.66	GRD	0.66	100	K290717	☐	16-038			☐	☐	☐
77.83	78.55	0.72	GRD	0.50	69	K290718	☐	16-038			☐	☐	☐
78.55	79.54	0.99	GRD	0.99	100	K290719	☐	16-038			☐	☐	☐
78.55	79.54	0.99	GRD	0.99	100	K290720	☐	16-038			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
160.97	161.68	0.71	QFP	0.65	92	K290721	☐	16-038			☐	☐	☐
161.68	162.28	0.60	QFP	0.60	100	K290722	☐	16-038			☐	☐	☐
162.28	162.95	0.67	QFP	0.63	94	K290723	☐	16-038			☐	☐	☐
162.95	163.49	0.54	QFP	0.54	100	K290724	☐	16-038			☐	☐	☐
163.49	164.08	0.59	QFP	0.59	100	K290725	☐	16-040			☐	☐	☐
164.08	165.38	1.30	QFP	1.29	99	K290726	☐	16-040			☐	☐	☐
165.38	166.19	0.81	QFP	0.81	100	K290727	☐	16-040			☐	☐	☐
165.38	166.19	0.81	QFP	0.81	100	K290728	☐	16-040			☐	☑	☐
176.73	177.24	0.51	GRD	0.51	100	K290729	☐	16-040			☐	☐	☐
177.24	177.75	0.51	GRD	0.51	100	K290730	☐	16-040			☐	☐	☐
177.75	178.28	0.53	GRD	0.53	100	K290731	☐	16-040			☐	☐	☐
178.28	179.16	0.88	GRD	0.88	100	K290733	☐	16-040			☐	☐	☐
179.16	179.94	0.78	GRD	0.76	97	K290734	☐	16-040			☐	☐	☐
179.94	180.45	0.51	GRD	0.51	100	K290735	☐	16-040			☐	☐	☐
180.45	180.97	0.52	GRD	0.52	100	K290736	☐	16-040			☐	☐	☐
180.97	181.60	0.63	GRD	0.53	84	K290737	☐	16-040			☐	☐	☐
181.60	182.20	0.60	GRD	0.60	100	K290739	☐	16-040			☐	☐	☐
182.20	182.83	0.63	GRD	0.63	100	K290740	☐	16-040			☐	☐	☐
182.83	183.34	0.51	GRD	0.51	100	K290741	☐	16-040			☐	☐	☐
205.17	205.69	0.52	GRD	0.52	100	K290742	☐	16-040			☐	☐	☐
205.17	205.69	0.52	GRD	0.52	100	K290743	☐	16-040			☐	☐	☑
205.69	206.35	0.66	GRD	0.62	94	K290744	☐	16-040			☐	☐	☐
206.35	207.09	0.74	GRD	0.65	88	K290745	☐	16-040			☐	☐	☐
207.09	207.64	0.55	GRD	0.51	93	K290746	☐	16-040			☐	☐	☐
207.64	208.18	0.54	GRD	0.54	100	K290747	☐	16-040			☐	☐	☐
208.18	210.32	2.14	GRD	2.14	100	K290748	☐	16-040			☐	☐	☐
210.32	210.82	0.50	GRD	0.50	100	K290749	☐	16-040			☐	☐	☐
210.82	211.34	0.52	GRD	0.50	96	K290751	☐	16-040			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
211.34	212.10	0.76	GRD	0.76	100	K290752	☐	16-040			☐	☐	☐
224.10	224.64	0.54	GRD	0.54	100	K290753	☐	16-040			☐	☐	☐
224.64	225.16	0.52	GRD	0.52	100	K290755	☐	16-040			☐	☐	☐
225.16	225.76	0.60	GRD	0.60	100	K290756	☐	16-040			☐	☐	☐
225.76	226.46	0.70	GRD	0.66	94	K290757	☐	16-040			☐	☐	☐
226.46	227.04	0.58	GRD	0.58	100	K290758	☐	16-040			☐	☐	☐
227.04	228.17	1.13	GRD	1.09	96	K290759	☐	16-040			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	5.18			☐	☐	☐	☐	
16-035	K290665	0.00	0.00	0.38	610	☐	☐	☐	☑ KL-STD4	
16-035	K290671	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-035	K290674	0.00	0.00	0.90	1000	☐	☐	☐	☑ KL-STD5	
16-035	K290683	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-040	K290732	0.00	0.00	0.37	400	☐	☐	☐	☑ KL-STD4	
16-040	K290738	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-040	K290750	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-040	K290754	0.00	0.00	0.95	260	☐	☐	☐	☑ KL-STD5	
16-034	K290645	0.00	0.00	0.86	810	☐	☐	☐	☑ KL-STD5	
16-038	K290697	0.00	0.00	0.33	660	☐	☐	☐	☑ KL-STD4	
16-038	K290704	0.00	0.00	0.00	110	☐	☐	☑	☐	
16-038	K290711	0.00	0.00	0.88	1010	☐	☐	☐	☑ KL-STD5	
16-038	K290716	0.00	0.00	0.00	30	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-034	K290644	5.18	6.07	0.12	1880	☐	☐	☐	☐	
16-034	K290646	6.07	6.70	0.05	2490	☐	☐	☐	☐	
16-034	K290647	6.70	8.37	0.35	2020	☐	☐	☐	☐	
16-034	K290648	8.37	9.16	0.27	650	☐	☐	☐	☐	
16-034	K290649	9.16	9.83	3.06	240	☐	☐	☐	☐	
16-034	K290650	9.83	11.56	0.23	1080	☐	☐	☐	☐	
16-020	K292750	11.56	12.71	13.10	620	☐	☐	☐	☐	
16-034	K290651	12.71	13.40	0.53	680	☐	☐	☐	☐	
16-034	K290652	13.40	14.33	0.01	1590	☐	☐	☐	☐	
16-035	K290653	14.33	14.88	0.45	400	☐	☐	☐	☐	
16-035	K290654	14.88	16.08	0.01	460	☐	☐	☐	☐	
16-035	K290655	16.08	17.16	0.06	2030	☐	☐	☐	☐	
16-035	K290656	17.16	17.83	0.35	1430	☐	☐	☐	☐	
16-035	K290657	17.83	19.34	0.02	1540	☐	☐	☐	☐	
16-035	K290658	19.34	20.03	0.15	1250	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-035	K290659	19.34	20.03	0.12	1230	☐	☑	☐	☐	
16-035	K290660	20.03	20.86	0.04	950	☐	☐	☐	☐	
16-035	K290661	20.86	21.87	0.07	1060	☐	☐	☐	☐	
16-035	K290662	21.87	23.04	0.00	360	☐	☐	☐	☐	
		23.04	32.61			☐	☐	☐	☐	
16-035	K290663	32.61	33.10	0.00	2090	☐	☐	☐	☐	
16-035	K290664	33.10	33.60	0.00	1300	☐	☐	☐	☐	
16-035	K290666	33.60	34.10	0.80	520	☐	☐	☐	☐	
16-035	K290667	34.10	35.66	0.75	1210	☐	☐	☐	☐	
16-035	K290668	35.66	36.20	0.00	970	☐	☐	☐	☐	
16-035	K290669	36.20	36.88	0.88	3460	☐	☐	☐	☐	
16-035	K290670	36.88	37.38	0.53	690	☐	☐	☐	☐	
16-035	K290672	37.38	37.88	0.11	880	☐	☐	☐	☐	
16-035	K290673	37.88	38.55	0.18	560	☐	☐	☐	☐	
16-020	K292751	38.55	38.90	13.90	850	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-035	K290675	38.90	39.77	0.16	1090	☐	☐	☐	☐	
16-035	K290676	39.77	40.46	0.18	1080	☐	☐	☐	☐	
16-035	K290677	40.46	41.00	0.01	580	☐	☐	☐	☐	
16-035	K290678	40.46	41.00	0.00	500	☑	☐	☐	☐	
		41.00	45.86			☐	☐	☐	☐	
16-035	K290679	45.86	46.36	0.08	1870	☐	☐	☐	☐	
16-035	K290680	46.36	47.17	0.11	500	☐	☐	☐	☐	
16-035	K290681	47.17	48.00	0.03	1450	☐	☐	☐	☐	
16-035	K290682	48.00	48.50	0.03	920	☐	☐	☐	☐	
16-035	K290684	48.50	50.56	0.05	1030	☐	☐	☐	☐	
16-035	K290685	50.56	51.22	1.17	70	☐	☐	☐	☐	
16-035	K290686	51.22	51.85	0.05	670	☐	☐	☐	☐	
16-035	K290687	51.85	52.35	8.60	50	☐	☐	☐	☐	
16-035	K290688	52.35	53.00	0.06	560	☐	☐	☐	☐	
16-038	K290689	53.00	54.31	0.04	490	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-038	K290690	54.31	55.00	0.02	790	☐	☐	☐	☐	
16-038	K290691	55.00	55.56	0.20	750	☐	☐	☐	☐	
16-038	K290692	55.56	56.71	0.01	830	☐	☐	☐	☐	
16-038	K290693	56.71	57.33	0.01	1990	☐	☐	☐	☐	
16-038	K290694	56.71	57.33	0.05	1830	☑	☐	☐	☐	
16-038	K290695	57.33	60.13	0.03	1070	☐	☐	☐	☐	
16-038	K290696	60.13	63.13	0.58	1960	☐	☐	☐	☐	
16-038	K290698	63.13	63.73	0.03	1590	☐	☐	☐	☐	
16-038	K290699	63.73	64.30	0.02	1310	☐	☐	☐	☐	
16-038	K290700	64.30	64.80	0.04	1790	☐	☐	☐	☐	
16-038	K290701	64.80	65.40	0.00	2630	☐	☐	☐	☐	
16-038	K290702	65.40	66.68	0.01	1470	☐	☐	☐	☐	
16-038	K290703	66.68	67.16	0.67	2250	☐	☐	☐	☐	
16-038	K290705	67.16	67.90	0.03	770	☐	☐	☐	☐	
16-038	K290706	67.90	69.00	0.04	800	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-038	K290707	69.00	69.53	0.15	720	☐	☐	☐	☐	
16-038	K290708	69.53	70.07	0.12	970	☐	☐	☐	☐	
16-038	K290709	70.07	71.24	0.02	2010	☐	☐	☐	☐	
16-038	K290710	71.24	74.26	0.03	950	☐	☐	☐	☐	
16-038	K290712	74.26	75.59	0.01	770	☐	☐	☐	☐	
16-038	K290713	75.59	76.10	0.24	650	☐	☐	☐	☐	
16-038	K290714	76.10	76.60	0.08	840	☐	☐	☐	☐	
16-038	K290715	76.60	77.17	3.86	690	☐	☐	☐	☐	
16-038	K290717	77.17	77.83	0.38	380	☐	☐	☐	☐	
16-038	K290718	77.83	78.55	1.42	380	☐	☐	☐	☐	
16-038	K290719	78.55	79.54	0.01	1900	☐	☐	☐	☐	
16-038	K290720	78.55	79.54	0.03	1840	☐	☑	☐	☐	
		79.54	######			☐	☐	☐	☐	
16-038	K290721	160.97	161.68	0.01	410	☐	☐	☐	☐	
16-038	K290722	161.68	162.28	0.00	180	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-038	K290723	162.28	162.95	0.00	590	☐	☐	☐	☐	
16-038	K290724	162.95	163.49	0.03	250	☐	☐	☐	☐	
16-040	K290725	163.49	164.08	0.09	340	☐	☐	☐	☐	
16-040	K290726	164.08	165.38	0.01	380	☐	☐	☐	☐	
16-040	K290727	165.38	166.19	0.01	110	☐	☐	☐	☐	
16-040	K290728	165.38	166.19	0.01	190	☑	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-040	K290729	176.73	177.24	0.01	690	☐	☐	☐	☐	
16-040	K290730	177.24	177.75	0.00	1130	☐	☐	☐	☐	
16-040	K290731	177.75	178.28	0.01	100	☐	☐	☐	☐	
16-040	K290733	178.28	179.16	0.01	570	☐	☐	☐	☐	
16-040	K290734	179.16	179.94	0.00	1860	☐	☐	☐	☐	
16-040	K290735	179.94	180.45	0.00	900	☐	☐	☐	☐	
16-040	K290736	180.45	180.97	0.00	830	☐	☐	☐	☐	
16-040	K290737	180.97	181.60	0.08	620	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-040	K290739	181.60	182.20	0.01	410	☐	☐	☐	☐	
16-040	K290740	182.20	182.83	0.02	2290	☐	☐	☐	☐	
16-040	K290741	182.83	183.34	0.01	3520	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-040	K290742	205.17	205.69	0.09	2190	☐	☐	☐	☐	
16-040	K290743	205.17	205.69	0.07	1620	☐	☑	☐	☐	
16-040	K290744	205.69	206.35	0.01	330	☐	☐	☐	☐	
16-040	K290745	206.35	207.09	0.01	640	☐	☐	☐	☐	
16-040	K290746	207.09	207.64	0.24	460	☐	☐	☐	☐	
16-040	K290747	207.64	208.18	0.01	2030	☐	☐	☐	☐	
16-040	K290748	208.18	210.32	0.01	2320	☐	☐	☐	☐	
16-040	K290749	210.32	210.82	1.22	320	☐	☐	☐	☐	
16-040	K290751	210.82	211.34	0.01	710	☐	☐	☐	☐	
16-040	K290752	211.34	212.10	0.01	1470	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-040	K290753	224.10	224.64	0.04	1850	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-040	K290755	224.64	225.16	0.01	1430	☐	☐	☐	☐	
16-040	K290756	225.16	225.76	8.76	80	☐	☐	☐	☐	
16-040	K290757	225.76	226.46	0.04	1160	☐	☐	☐	☐	
16-040	K290758	226.46	227.04	0.00	2660	☐	☐	☐	☐	
16-040	K290759	227.04	228.17	0.01	2110	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
6.83	7.13	VB	37	30	NUL	1	Smokey quartz carbonate breccia vein cross cutting highly oxidized and weathered granodiorite. Smokey quartz brecciates carbonate clasts, moderately oxidized argillic/phyllic granodiorite, and clay clasts. Minor disseminated pyrite is found throughout. Carbonate vein injections are seen along the upper selvedge of the breccia.			
								Py	1	DI
8.89	9.17	GO	34	-	NUL	1	Severely gouge altered granodiorite. Can be squished when touched, and is almost entirely broken down to near rubble. No mineralization present			
9.19	9.53	VB	37	50	NUL	1	Smokey quartz breccia pervasively brecciating moderately phyllic altered granodiorite. Black smokey quartz breccia hosts carbonate veins crosscutting at 55* TCA. Breccia envelopes clasts of moderate to strongly phyllic altered granodiorite, carbonates, and quartz grains. Quartz veins sporadically crosscut smokey quartz breccia, and host blebby galena, sphalerite, and pyrite.			
								Py	2	DI
								Gn	2.5	BL
								Sp	1	BL
9.70	9.78	VB	37	85	NUL	1	Smokey quartz breccia enveloping clasts of moderately phyllic altered granodiorite, and clay between sand and cobble size. Breccia hosts a 2.5cm quartz vein with minor carbonates along its upper selvedge hosting blebby pyrite, zoned honey brown sphalerite, disseminated to slightly blebby arsenopyrite, and disseminated jamesonite. The breccia itself hosts disseminated pyrite throughout.			
								Sp	4	BL
								Gn	3	BL
								As	3	BL
								Jm	1	DI
								Py	10	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
11.58	11.61	VN	37	65	NUL	1	3cm quartz vein cross cutting moderate to strongly argillic granodiorite with weak phyllic overprinting. Quartz vein contains minor carbonate, and hosts disseminated pyrite, blebby zoned honey brown sphalerite, major disseminated arsenopyrite, and jamesonite disseminated throughout.			
								Py	5	DI
								As	40	DI
								Gn	2	BL
								Jm	15	DI
								Sp	15	BL
11.64	11.67	VN	37	65	NUL	1	2.5cm quartz vein crosscutting argillic/phyllic altered granodiorite. Vein hosts blebby galena, sphalerite, arsenopyrite, pyrite, and disseminated jamesonite.			
								Gn	10	BL
								Jm	2	DI
								Py	10	DI
								Sp	7	BL
								As	4	BL
12.31	12.38	VN	37	65	NUL	1	Quartz carbonate vein crosscutting strongly argillic/phyllic altered granodiorite. Vein hosts blebby galena, zones honey brown sphalerite, disseminated to blebby pyrite, major disseminated arsenopyrite, and disesminated jamesonite. Vein intersects a joint plane.			
								Sp	15	BL
								Gn	10	BL
								Jm	8	DI
								Py	2	BL
								Py	2	DI
								As	20	DI
12.46	12.47	VT	37	65	NUL	1	Quartz carbonate veinlet hosting blebby sphalerite, and pyrite.			
								Sp	4	BL
								Py	5	DI
12.60	12.63	VN	37	75	NUL	1	Strongly argillic granodiorite with weak phyllic overprinting. Granodiorite carries a quartz vein that hosts massive disseminated aresenopyrite, blebby zoned honey brown sphalerite, and disseminated pyrite.			
								Py	2	DI
								Sp	10	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								As	80	DI
14.33	14.82	GO	34	-	NUL	1	Zone of rubbly granodiorite that has undergone quartz flooding. Becomes more competent with depth until end of interval. Zone hosts disseminated pyrite throughout.			
16.12	16.26	BX	34	-	NUL	1	Smokey quartz breccia hosting clasts of phyllic altered granodiorite.			
17.17	17.25	BX	34	45	NUL	1	Smokey quartz breccia crosscutting weakly phyllic altered granodiorite. Smokey breccia hosts carbonate clasts that range from pebble to small cobble in size.			
17.29	17.77	BX	34	70	NUL	1	Smokey quartz breccia that crosscuts phyllic altered granodiorite. Breccia carreis clasts of carbonate and altered granodiorite that range from sand to cobble in size. Minor disseminated pyrite found throughout.			
								Py	3	DI
17.77	17.81	VB	37	45	NUL	1	Smokey quartz vein cross cutting phyllic altered granodiorite. Smokey quartz brecciates host granodiorite, as well as carboante vienlets that intersect it.			
19.50	19.54	BX	34	-	NUL	1	Smokey quartz breccia hosting clasts of carbonate. Size is roughly pebble sized clasts.			
33.68	34.31	BX	34	-	NUL	1	Moderately gouge altered smokey quartz breccia. Smokey quartz brecciates brown quartz feldspar porphyry dyke, argillic/phyllic granodiorite, and carbonates. Smokey breccia hosts blebs of honey brown sphalerite and galena, as well as disseminated pyrite. . Upper selvedge of breccia runs along gradational dyke contact, and is highly gouge altered (resembles clay).			
								Gn	1	BL
								Py	2	DI
								Sp	1	BL
36.20	36.43	VT	37	-	NUL	1	Quartz flooded argillic/phyllic granodiorite displaying disseminated pyrite.			
								Py	2	DI
36.49	36.54	VN	37	70	NUL	1	Smokey quartz vein crosscutting argillic phyllic altered granodiorite. Vein hosts disseminated pyrite.			
								Py	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
36.62	36.72	VT	37	75	NUL	3	argillic/phyllic altered granodiorite hosting 3 smokey quartz stringers. Stringers host disseminated pyrite, brown sphalerite, and galena.			
								Sp	1	DI
								Gn	1	DI
								Py	1	DI
37.39	37.41	VN	37	45	NUL	1	Gouge altered fracture vein hosting blebby galena. Found within argillic/phyllic altered granodiorite.			
								Gn	12	BL
38.46	38.71	VN	37	-	NUL	1	Highly fractured interval hosting remnant clasts of a smokey quartz vein (or veins). Number of structures is unknown due to fractured nature of the interval. Remnant vein(s) host blebby sphalerite, galena, and pyrite.			
								Py	1	DI
								Sp	2	BL
								Py	2	BL
								Gn	5	BL
38.86	38.94	VN	37	60	NUL	1	Quartz carbonate vein cross cutting strongly argillic/phyllic altered granodiorite. Vein hosts semi-massive blebby galena, zoned honey brown and blackjack sphalerite, pyrite, and arsenopyrite. Sulfide minerals are precipitated together, suggesting a single mineralization phase within the vein. Vein is fractured due to its location in an interval of moderately gouge altered argillic and argillic/phyllic granodiorite.			
								Gn	30	BL
								As	15	BL
								Sp	10	BL
								Py	15	BL
48.26	48.33	VN	37	30	NUL	1	White carbonate vein hosting disseminated to blebby pyrite along both selvedges of the vein.			
								Py	4	BL
51.99	52.07	VN	37	70	NUL	1	Quartz carbonate found within phyllic altered granodiorite. Vein hosts semi-massive blebby pyrite.			
								Py	56	BL
55.52	55.59	VN	37	80	NUL	1	Smokey quartz vein hosting disseminated pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	15	DI
57.17	57.19	VN	37	75	NUL	1	Quartz carbonate vein found within argillic phyllic granodiorite. Vein hosts disseminated pyrite.			
								Py	3	DI
64.48	64.61	VN	37	75	NUL	1	Smokey quartz vein found within argillic/phyllic altered granodiorite. 9cm of the vein is intensely gouge altered, resembling clay. Vein hosts minor disseminated pyrite.			
								Py	0.5	DI
65.51	65.56	VN	37	60	NUL	1	Smokey quartz vein crosscutting argillic/phyllic altered granodiorite. Vein hosts blebby pyrite. Lower selvedge of vein is heavily gouge altered.			
								Py	8	BL
66.94	67.03	VN	37	70	NUL	1	6cm smokey quartz vein found within moderately phyllic altered granodiorite. Vein hosts diseminated pyrite. Upper selvedge of vein is weakly to moderately gouge altered. Area immediatedly around vein hosts pyrite stringers (~0.1cm)			
								Py	3	DI
69.23	69.27	VN	37	70	NUL	1	Moderately argillic/phyllic altered granodiorite carring a smokey quartz vein. Vein hosts blebby pyrite, sphalerite, and minor disseminated galena.			
								Py	7	BL
								Sp	3	BL
								Gn	1	DI
75.87	75.88	VT	37	75	NUL	1	Propylitic/phyllic altered granodiorite carrying a quartz veinlet that hosts disseminated pyrite and galena.			
								Py	1	DI
								Gn	1	DI
76.03	76.09	VT	37	85	NUL	1	Argillic phyllic altered granodiorite carring a gouge altered quartz vein. Quartz vein carries disseminated to blebby pyrite and galena. Veinlet has pyrite/galena stringers that eminate from the upper selvedge of the veinlet.			
								Gn	4	BL
								Py	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
76.86	76.93	VN	37	75	NUL	1	Moderately silicified phyllic granodiorite carrying a 7cm quartz vein. Quartz vein hosts blebby pyrite, zoned honey brown sphalerite, arsenopyrite, and minor blebs of galena proximal to the vein, and along the upper selvedge. Blebby pyrite is found along the lower selvedge.			
								As	3	BL
								Gn	1	BL
								Py	8	BL
								Sp	10	BL
77.15	77.16	VT	37	85	NUL	1	Smokey quartz veinlet hosting minor disseminated pyrite.			
								Py	1	DI
77.21	77.26	VN	37	85	NUL	1	Quartz vein found within weak argillic/phyllic altered granodiorite. Vein hosts blebby pyrite.			
								Py	40	BL
78.14	78.26	VN	37	85	NUL	2	Moderate to strongly argillic/phyllci altered granodiorite carrying two quartz veins (1cm, 5.5cm). The first vein is a 1cm smokey quartz carbonate vein hosting blebby pyrite. Tan ankerite and white carbonate are present within vein. The second vein found within this interval is a 5cm smokey quartz/white carbonate vein. This vein hosts disseminated to slightly blebby pyrite, honey brown sphalerite, galena, and arsenopyrite. Tan ankerite enveloping blebby sphalerite and galena are found in a semi-net texture/semi-disseminated texture between both veins.			
								Sp	5	BL
								Py	8	BL
								Gn	2	BL
								Ak	16	---
								As	4	DI
81.38	81.40	VN	37	75	NUL	1	Quartz carbonate vein hosting blebby pyrite and sphalerite. Carbonates in vein are found along both upper and lower selvedges.			
								Sp	2	BL
								Py	5	BL
89.37	89.38	VT	37	15	NUL	1	Low angle quartz vein crosscutting unaltered granodiorite. Quartz vein hosts very minor blebby pyrite.			
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
108.15	108.19	VT	37	25	NUL	1	1cm quartz carbonate vein hosting blebby pyrite. Blebby pyrite also found outside of vein.			
								Py	35	BL
110.74	110.77	VN	37	25	NUL	1	Quatz carbonate vein crosscutting argillic/phyllic altered granodiorite. No present mineralization.			
112.09	112.17	VN	37	60	NUL	1	Carbonate vein crosscutting moderately argillic altered granodiorite. Found within a strong propylitic halo. No mineralization present.			
112.92	112.95	VN	37	40	NUL	1	Carboante vein crosscutting argillic altered granodiorite with weak phyllic overprinting. No mineralization present.			
120.00	120.04	VN	37	45	NUL	1	Carboante vein crosscutting argillic altered granodiorite with weak phyllic overprinting. No mineralization present.			
126.56	126.66	GO	34	60	NUL	1	Severely gouge altered zone of phyllic granodiorite that carries disseminated pyrite.			
130.00	130.01	VT	37	60	NUL	1	Quartz carbonate veinlet (0.8cm) hosting disseminated pyrite along its upper selvedge.			
								Py	0.1	DI
130.12	130.15	VN	37	40	NUL	1	Barren smokey quartz vein crosscutting phyllic altered granodiorite. Trace brecciation occuring along a parallel carbonate stringer in the centre of the vein.			
130.95	130.98	VN	37	60	NUL	1	Propylitic altered granodiorite hosting zoned quartz carbonate vein. Quartz is enveloped by multiple phases of carbonate (white to tan)			
162.94	163.06	BX	34	70	NUL	1	Brown quartz feldspart porphyry dyke carring a smokey quartz carbonate vein. Vein intensely brecciates surrounding brown dyke, enveloping cobble sized clasts. Blebs of disseminated pyrite found throughout breccia.			
								Py	2	BL
163.22	163.36	BX	34	40	NUL	1	Brown quartz feldspart porphyry dyke carring a smokey quartz carbonate vein. Vein displays a zoned carbonate texture, and contains multiple quartz injections. Smokey quartz along upper selbedge brecciates dyke, enveloping cobble sized clasts. No mineralization present.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
177.76	177.74	VN	37	25	NUL	1	Low angle quartz vein found within highly silicified propylitic altered granodiorite. Hosts large amounts of disseminated pyrite.			
								Py	65	DI
178.29	178.50	VT	37	1	NUL	1	Nearly parallel 0.4cm veinlet of quartz hosting blebby pyrite throughout.			
								Py	90	BL
181.00	181.27	BX	34	-	NUL	-	Smokey quartz / carbonate veining occuring within intensely silicified phyllic altered granodiorite. Vein hosts blebby to disseminated pyrite throughout, with carbonate along the upper and lower seveldges. Smokey quartz vein is distal to Smokey quartz/carbonate that strongly brecciate parent granodiorite, carrying clasts ranging from pebble to cobble, as well as blebby to disseminated pyrite within breccia matrix.			
								Py	9	DI
181.43	181.53	BX	34	-	NUL	2	Brown smokey quartz vein (1cm) crosscutting intensely silicified propylitic granodiorite. Quartz vein is distal to smokey quartz breccia that brecciates host material. No mineralization present.			
184.58	184.67	VN	37	60	NUL	2	Phyllic altered granodiorite carrying two 1-1.5cm carbonate veins. Quartz carbonate veins have zoned carbonate (white and tan), and host blebs of pyrite both throughout the vein, and blebs within the vein halo.			
186.18	186.20	VN	37	75	NUL	1	Quartz carbonate vein within propylitic/argillic altered granodiorite. Vein hosts disseminated pyrite, sphalerite, and galena. Carbonate stringers present along upper selvedge.			
								Gn	1	DI
								Py	1	DI
								Sp	1	DI
188.26	188.28	VN	37	85	NUL	1	2cm smokey quartz vein crosscutting phyllic/argillic granodiorte. Vein hosts blebby pyrite, and minor disseminated honey sphalerite.			
								Sp	1	DI
								Py	40	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
189.01	189.02	VT	37	80	NUL	1	Propylitic/potassic granodiorite hosting a pyrite stringer.			
192.03	192.26	VT	37	10	`	1	Low angle 0.8cm quartz veinlet hosting blebby pyrite.			
								Py	15	BL
193.78	193.79	VT	37	70	NUL	1	Quartz carbonate veinlet crosscutting weakly phyllic granodiorite. Veinlet hosts diseminated pyrite.			
								Py	3	DI
195.16	195.17	VT	37	80	NUL	1	Smokey quartz veinlet hosting disseminated to blebby pyrite.			
								Py	2	DI
202.40	202.41	VT	37	45	NUL	1	Quartz veinlet hosting disseminated pyrite, blebby sphalerite. Found in a moderately fractured area.			
								Sp	4	BL
								Py	1	DI
207.27	207.29	VN	37	35	NUL	1	Quartz carbonate vein found within argillic/phyllic altered granodiorite. Vein hosts blebby pyrite.			
								Py	20	BL
210.55	210.57	VN	37	20	NUL	1	Quartz vein hosting blebby pyrite, and small blebs of honey brow sphalerite.			
								Sp	3	BL
								Py	8	BL
212.90	212.91	VN	37	85	NUL	1	Quartz vein hosting blebby pyrite.			
								Py	26	BL
225.18	225.22	VN	37	80	NUL	1	Quartz vein crosscutting phyllic/argillic granodiorite. Quartz vein hosts massive blebby pyrite throughout entire vein. Outside of vein zone, pyrite stringers are present.			
								Py	85	MA
225.67	225.75	VN	37	80	NUL	1	Quartz carbonate vein crosscutting phyllic/argillic granodiorite. Vein hosts semi-massive blebby pyrite throughout, found both proximal to quartz veining and carbonate veining.			
								Py	65	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
228.98	229.05	VN	37	-	NUL	1	Black metallic magnetite found within propylitic altered granodiorite. Magnetite is found in two 0.5cm veinlets on eiher side of the zone, with stringers between the two connecting the veinlets.			
								Ma	15	BN

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383018	6890214	1347.82	166.73

ZONE: Central Klaza

SECTION:

HOLE: KL-16-311

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: Jul 10 - Jul 12, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	38.5	-49.6	Reflex
169.77	42.6	-50.7	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.73	2.73	CAS
2.73	6.74	4.01	GRD
6.74	10.5	3.76	GRD
10.5	12.9	2.4	GRD
12.9	19.7	6.8	QFP
19.7	30.05	10.35	GRD
30.05	39.62	9.57	QFP
39.62	47.85	8.23	GRD
47.85	57.47	9.62	GRD
57.47	66.39	8.92	GRD
66.39	66.9	0.51	QFP
66.9	81.6	14.7	GRD
81.6	84	2.4	GRD
84	98.59	14.59	GRD
98.59	102.72	4.13	GRD
102.72	110.01	7.29	GRD

SAMPLES	
Numbers:	K290760 to K290868, K292756 to K292759
Total:	113
Batch:	020, 040, 041, 044, 047
Certificates:	VA16117085, VA16117086, VA16117091, VA16117092, VA16121836

COMMENTS

110.01	123.02	13.01	GRD
123.02	131.77	8.75	GRD
131.77	162.19	30.42	GRD
162.19	166.73	4.54	QFP

Box Log

KL-16-311

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2.73	6.55
2	6.55	10.61
3	10.61	14.87
4	14.87	19
5	19	23.26
6	23.26	27.29
7	27.29	31.7
8	31.7	35.66
9	35.66	40.1
10	40.1	44.36
11	44.36	48.61
12	48.61	52.29
13	52.29	57
14	57	61.09
15	61.09	65.16
16	65.16	69.34
17	69.34	73.76
18	73.76	78.22
19	78.22	82.44
20	82.44	86.76
21	86.76	90.91
22	90.91	95.19
23	95.19	99.17
24	99.17	103.28
25	103.28	107.38
26	107.38	111.38
27	111.38	115.68
28	115.68	120.11
29	120.11	124.29
30	124.29	128.2
31	128.2	132.66
32	132.66	136.91
33	136.91	141.13
34	141.13	145.39
35	145.39	149.8
36	149.8	154.1
37	154.1	158.15
38	158.15	162.28
39	162.28	166.29
40	166.29	166.73

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-311									
	22.65	10.5	NQ2	GRD	590.9	375.9	2.65	2.8	Two 3.5cm quartz (both smokey quartz and white quartz) carbonate/black breccia veins seperated by 3cm of phyllic altered granodiorite. Upper black breccia quartz vein is found in close proximity to moderately gouge altered phyllic granodiorite along its upper selvedge. Vein also displays trace to weak brecciation, and hosts trace disseminated pyrite. The second vein is a white quartz/carbonate/black breccia vein hosting blebby pyrite, galena, and zoned honey brown sphalerite. Black breccia vein is brecciating a phase of smokey quartz, which is found along the lower selvedge of the remaining white quartz vein. Breccia contains white quartz, carbonate, and phyllic granodiorite clasts along with disseminated pyrite and galena.
	29.54	22	NQ2	GRD	1233.2	814.3	2.64	2.9	Black breccia/quartz vein. Black breccia brecciates smokey quartz and propylitic altered granodiorite, with clasts ranging from sand to cobble sized. Breccia hosts disseminated pyrite. Found within propylitic granodiorite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	39.71	12	NQ2	GRD	666.1	426.7	2.61	2.8	Quartz flooded argillic/propylitic granodioriet hosting both black breccia and a small quartz vein. Quartz vein is found directly along the lower selvedge of a light green quartz feldspar porphyry dyke, hosting blebby galena, zoned honey brown sphalerite, and pyrite. Proximal to the vein, a black breccia is found with clasts of propylitic granodiorite, quartz, carbonate, and pyrite.
	54.51	23.5	NQ2	GRD	1296.7	830.9	2.6	2.8	propylitic altered granodiorite being crosscut by both smokey quartz, and black breccia. Black breccia is found with clasts of propylitic granodiorite, quartz, yellow carbonate, and minor disseminated pyrite. This breccia is flooded by a quartz vein, carrying blebby pyrite.
	67.95	8	NQ2	GRD	538.5	368.5	3.17	3.2	Quartz carbonate vein found within argillic/phyllic altered granodiorite. Vein hosts blebby galena, and honey brown sphalerite. Tan ankerite is found in stringers surrounding the vein, along with minor disseminated pyrite. Found in weakly silica flooded propylitic altered granodiorite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	71.11	9	NQ2	GRD	856	658.7	4.48	4.3	11cm Klaza Vein. Weak to moderate argillic/phyllic altered granodiorite carrying a significant polymetallic vein. Quartz vein hosts massive pyrite, sphalerite (blackjack, and honey brown), and galena.
	97.37	8.5	NQ2	GRD	497.5	319.8	2.76	2.8	
	144.17	20	NQ2	GRD	1131.9	731.8	2.66	2.8	
	160.81	25	NQ2	GRD	1391.3	861.3	2.62	2.6	

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.73	6.74	4.01	GRD	MG	Trace propyloitic to potassic altered granodiorite. Displays patches of moderate to strong weathering and overburden throughout due to proximity to surface. Granodiorite carries sporadic black magnetic xenoliths.							
						LT	PK	XN	POT	1I		
						LT	GN	FR	PRO	1I		
6.74	10.50	3.76	GRD	MG	highly oxidized and weathered granodiorite. Rock displays trace propylitic/potassic alteration in patches surrounding a very oxidized granodiorite zone with undistinguishable alteration type.							
						MD	OR	RB	OXI	4I		
						MD	BR		POT	1I		
						LT	OR	PA	OXI	3I	Py	1
						LT	BR	FR	PRO	1I		
						LT	GN		PRO	2I		
						LT	PK					
10.50	12.90	2.40	GRD	MG	Trace to weakly propylitic/potassic altered granodiorite. Rock is moderately fractured and displays weak to moderate oxidation and weathering in patches and along fractures and joints.							
						LT	OR	PA	OXI	2I		
						LT	GN	FR	OXI	3I		
						LT	PK		PRO	1I		
									POT	1I		
									PRO	2I		
12.90	19.70	6.80	QFP	FG	Light green quartz feldspar porphyry dyke with mild silicification. Contains patches of oxidation and weathering. Lower contact is oxidized. Sporadic weak to moderate gouge alteration is found in small random patches throughout, as well as along the lower dyke contact.							
						MD	OR					
						LT	OR	PO	OXI	3I		
						LT	GN	FR	OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
19.70	30.05	10.35	GRD	MG	Granodiorite alternating between weak to moderate argillic, argillic/propylitic, and trace propylitic/potassic altered granodiorite. Argillic/propylitic altered granodiorite carries both smokey quartz breccias, and black smokey quartz veins carrying sulfide mineralization. Brecciation is also found along the upper portion of this zone, in close proximity to the lower quartz feldspar porphyry dyke contact. Fractures and joints with oxidation present throughout. Sporadic weak gouge alteration present in small random patches.							
						MD	GN	FR	PRO	3I	Gn	0.1
						MD	WH		ARG	2I		
						LT	GN	PA	PRO	2I	Py	2
						LT	PK		ARG	3I		
									POT	1I		
30.05	39.62	9.57	QFP	FG	Light green to brown quartz feldspar dyke. Contains soft carbonate clasts ranging froms and to pebble size. Dyke contains small intervals of weakly gouge altered granodiorite. Upper dyke contact is highly fractured and gouge altered.							
						LT	GN	PO				
						LT	BR	FR				
42.38	43.84	1.46	GRD	MG	Trace propylitic to potassic altered granodiorite.							
						LT	PK		PRO	1I		
						LT	GN		POT	1I		
47.85	54.16	6.31	GRD	MG	Unaltered granodiorite to trace propylitic/potassic altered granodiorite.							
									PRO	1I		
									POT	1I		
54.16	55.43	1.27	GRD	MG	Halo of argillic granodiorite transitioning to argillic/phyllic, and propylitic altered granodiorite. Middle of the halo hosts a smokey quartz/carbonate breccia.							
						MD	WH	PA	ARG	3I	Py	1
						MD	GN		PRO	3I		
						LT	GN		PHC	2I		
									ARG	2I		
55.43	57.47	2.04	GRD	MG	Unaltered granodiorite to trace propylitic/potassic altered granodiorite.							
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	1I		
66.39	66.90	0.51	QFP	FG	Weak to modeartely gouge altered tan quartz feldspar porphyry dyke. Hosts mineralizatoina long both upper and lower selvedge.							
						LT	TN	PO				
66.90	73.76	6.86	GRD	MG	Granodiorite alternating between weak to modearte argillic alteration with weak to moderate phyllic overprinting, and weak to slightly strong propylitic overprinting. Weakly propylitic/potassic altered granodiorite is also found within this interval. Multiple vein zones of mineralization found within argillic/phyllic altered granodiorite.							
									PHC	2I	Gn	1
									PHC	3I	Sp	1
									ARG	2I	As	0.5
									ARG	3I	Py	2
									POT	2I		
									PRO	2I		
									PHC	4I		
73.76	74.68	0.92	GRD	MG	moderate propylitic weak potassic altered granodioriet.							
						MD	GN		PRO	2I		
						LT	PK		PRO	3I		
									POT	2I		
74.68	81.60	6.92	GRD	MG	Granodiorite alternating between weak to modearte argillic alteration with weak to moderate phyllic overprinting, and weak to slightly strong propylitic overprinting. Weakly propylitic/potassic altered granodiorite is also found within this interval. Multiple vein zones of mineralization found within argillic/phyllic altered granodiorite.							
									PHC	2I	Py	2
									PHC	3I	Gn	1
									ARG	2I	Sp	1
									ARG	3I	As	0.5
									POT	2I		
									PRO	2I		
									PHC	4I		
81.60	84.00	2.40	GRD	MG	Weak propylitic/potassic altered granodiorite. Interval contains a patch of argillic/propylitic/potassic altered granodiorite.							
						MD	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		POT	2I		
						LT	GN	PA	ARG	3I		
						LT	PK		PRO	2I		
86.50	87.46	0.96	GRD	MG	Moderate to strongly argillic propylitic altered granodiorite. Mineralization occurs starting at the end of this interval.							
						MD	GN					
						LT	GN					
87.46	93.57	6.11	GRD	MG	Moderate to strong phyllic altered granodiorite alternating with argillic/phyllic alteration. Interval carries multiple smokey quartz/carbonate veins and veinlets throughout, that host weak sporadic minerlization.							
						MD	WH		PHC	2I		
						MD	GN		PHC	4I		
						LT	GN	PA	PHC	3I	Py	0.1
									ARG	2I		
									ARG	3I		
93.57	97.97	4.40	VEN	MG	Weak to moderate argillic vein zone with weak to strong phyllic overprinting. Vein zone carries multiple significant veins ranging from 1cm to 18cm, and hosts a range of sulfides. Vein zone has oxidized fractures and joints throughout, and is moderately fractured.							
								PA	PHC	2I	Py	2
								FR	PHC	3I	Sp	1
									PHC	4I	Gn	0.5
									ARG	2I	As	0.1
									ARG	3I		
									OXI	2I		
									OXI	3I		
97.97	98.59	0.62	GRD	MG	Weakly gouge altered argillic/propylitic granodiorite. Highly fractuered.							
						MD	GN		PRO	3I		
						LT	GN	FR	PRO	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
98.59	102.72	4.13	GRD	MG	Fractured argillic/propylitic granodiorite transitioning into weakly propylitic/potassic altered granodiorite and argillic/phyllic granodiorite. Interval remains moderately fractured throughout Argillic/phyllic granodiorite hosts multiple carbonate veins ranging from 1 to 5cm wide. Large fault zone borders the lower boundary of this lithology.							
						MD	GN	PA	PRO	3I		
						MD	WH		PHC	2I		
						LT	GN	FR	PRO	2I		
						LT	PK		POT	2I		
									PHC	3I		
									ARG	2I		
									ARG	3I		
102.72	110.01	7.29	GRD	MG	Highly fractured granodiorite fault zone. Granodiorite is weakly argillic/propylitic, propylitic, and weakly propylitic/potassic alteration. Contains many large patches of rubble, with weak gouge alteration throughout.							
						MD	WH	PA	ARG	2I		
						MD	GN	FR	PRO	2I		
						LT	GN	RB	ARG	3I		
						LT	PK		POT	2I		
110.01	123.02	13.01	GRD	MG	Zonen of moderate to highly fractured granodiorite that displays patches of trace to weak propylitic, potassic, and argillic alteration. Some zones of highly fractured rubble are present.							
						MD	GN	RB	POT	1I		
						MD	WH	FR	ARG	1I		
						LT	GN	PA	PRO	1I		
						LT	PK		PRO	2I		
									POT	2I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
123.02	131.77	8.75	GRD	MG	Zone of moderately fractured weakly argillic/phyllic altered granodiorite. Contains patches of weak gouge alteration. Within argillic/phyllic granodiorite, patches of weak propylitic granodiorite and strong argillic altered granodiorite with weak propylitic overprinting occur. Multiple small veins and veinlets of mineralized quartz carbonate occur throughout, with propylitic halos.							
						MD	GN	FR	ARG	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	4
						LT	WH		ARG	3I		
									PRO	2I		
134.14	134.39	0.25	GRD	MG	Halo of weak to moderate phyllic altered granodiorite, with moderate argillic/weak propylitic alteration in the centre. Carries quartz/pink carbonate vein with trace disseminated pyrite.							
						MD	WH		ARG	3I		
						LT	GN		ARG	2I	Py	0.5
									PHC	2I		
									PHC	3I		
									PRO	2I		
135.30	136.29	0.99	GRD	MG	Moderate phyllic to propylitic altered granodiorite halo within weak propylitic/potassic granodiorite. Carries quartz/pyrite stringers, and a larger low angle quartz carbonate vein hosting disseminated pyrite. Halo contains small patches of argillic alteration that have propylitic and phyllic overprinting.							
						MD	GN					
						LT	GN					
142.58	142.90	0.32	GRD	MG	Patchy granodiorite halo displaying weak to moderate argillic/propylitic alteration throguhout. Hosts two small quartz carbonate veinlets with trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN		ARG	2I		
									PHC	2I		
148.95	149.44	0.49	GRD	MG	Strongly argillic altered granodiorite. Displays weak gouge alteration.							
						MD	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.25	151.83	1.58	GRD	MG	Altered halo zone of weak argillic/phyllic altered granodiorite. Hosts a small zone of disseminated pyrite.							
						LT	WH	PA	ARG	2I	Py	0.1
						LT	GN		PHC	2I		
152.81	154.45	1.64	GRD	MG	Weak to moderate phyllic/argillic phyllic altered granodiorite halo. Carries a 1cm quartz vein hosting blebby pyrite and sphalerite, as well as two smaller quartz veinlets with pyrite mineralization. Patchy argillic altered granodiorite has tan carbonate sporadically throughout. Weak silica flooding found within phyllic alteration.							
						LT	GN	PA	PHC	3I	Py	1
						LT	YW		PHC	2I	Py	1
									ARG	2I	Sp	1
155.63	156.57	0.94	GRD	MG	Weak argillic/phyllic halo carrying a quartz veinlet that hosts disseminated pyrite.							
						LT	GN		PHC	2I	Py	1
									ARG	2I		
157.92	158.79	0.87	GRD	MG	Moderate argillic/phyllic halo carrying sporadic quartz veinlets with diseminated pyrite mineralization.							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	3I	Py	2
									PHC	2I		
162.19	166.73	4.54	QFP	MG	Black quartz feldspar porphyry dyke.							
						DK	BL	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.73	6.74	4.01	GRD	MG	Trace propyloitic to potassic altered granodiorite. Displays patches of moderate to strong weathering and overburden throughout due to proximity to surface. Granodiorite carries sporadic black magnetic xenoliths.							
						LT	GN	FR	PRO	1I		
						LT	PK	XN	POT	1I		
6.74	10.50	3.76	GRD	MG	highly oxidized and weathered granodiorite. Rock displays trace propylitic/potassic alteration in patches surrounding a very oxidized granodiorite zone with undistinguishable alteration type.							
						LT	OR	PA	OXI	3I	Py	1
						MD	OR	RB	OXI	4I		
						LT	BR	FR	PRO	1I		
						MD	BR		POT	1I		
						LT	GN		PRO	2I		
						LT	PK					
10.50	12.90	2.40	GRD	MG	Trace to weakly propylitic/potassic altered granodiorite. Rock is moderately fractured and displays weak to moderate oxidation and weathering in patches and along fractures and joints.							
									PRO	2I		
									POT	1I		
						LT	PK		PRO	1I		
						LT	OR	PA	OXI	2I		
						LT	GN	FR	OXI	3I		
12.90	19.70	6.80	QFP	FG	Light green quartz feldspar porphyry dyke with mild silicification. Contains patches of oxidation and weathering. Lower contact is oxidized. Sporadic weak to moderate gouge alteration is found in small random patches throughout, as well as along the lower dyke contact.							
						LT	GN	FR	OXI	2I		
						LT	OR	PO	OXI	3I		
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
19.70	30.05	10.35	GRD	MG	Granodiorite alternating between weak to moderate argillic, argillic/propylitic, and trace propylitic/potassic altered granodiorite. Argillic/propylitic altered granodiorite carries both smokey quartz breccias, and black smokey quartz veins carrying sulfide mineralization. Brecciation is also found along the upper portion of this zone, in close proximity to the lower quartz feldspar porphyry dyke contact. Fractures and joints with oxidation present throughout. Sporadic weak gouge alteration present in small random patches.							
									POT	1I		
						LT	PK		ARG	3I		
						LT	GN	PA	PRO	2I	Gn	0.1
						MD	WH		ARG	2I		
						MD	GN	FR	PRO	3I	Py	2
30.05	39.62	9.57	QFP	FG	Light green to brown quartz feldspar dyke. Contains soft carbonate clasts ranging from and to pebble size. Dyke contains small intervals of weakly gouge altered granodiorite. Upper dyke contact is highly fractured and gouge altered. Mineralization present just outside of dyke interval on both upper and lower selvedge of quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	BR	FR				
39.62	47.85	8.23	GRD	MG	Weak to moderately argillic altered granodiorite with weak to moderate propylitic overprinting. Contains an interval of weakly propylitic altered granodiorite. Argillic/propylitic granodiorite hosts quartz carbonate veins bearing sulfides throughout. Along the outer edge of previous dyke contact, quartz brecciation occurs.							
									POT	1I		
						LT	GN	PA	ARG	2I	Py	1
						MD	GN		ARG	3I	Gn	1
						MD	WH		PRO	2I	Sp	1
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
47.85	57.47	9.62	GRD	MG	Unaltered granodiorite to trace propylitic/potassic altered granodiorite. Interval contains a halo that transitons between argillic, propylitic and phyllic granodiorite. Within this halo a quartz/smokey quartz breccia vein is found, along with sulfide stringers and veinlets. Unaltered granodiorite carries sporadic dark magnetic xenoliths.							
						LT	PK	XN	POT	1I		
						MD	GN		ARG	3I		
						MD	WH		PRO	3I		
						MD	BL		PHC	2I		
						LT	GN	PA	PRO	1I	Py	1
66.39	66.90	0.51	QFP	FG	Weak to modeartely gouge altered tan quartz feldspar porphyry dyke. Hosts mineralizatoina long both upper and lower selvedge.							
						LT	TN	PO				
66.90	81.60	14.70	GRD	MG	Granodiorite alternating between weak to modearte argillic alteration with weak to moderate phyllic overprinting, and weak to slightly strong propylitic overprinting. Weakly propylitic/potassic altered granodiorite is also found within this interval. Multiple vein zones of mineralization found within argillic/phyllic altered granodiorite.							
									POT	2I		
									ARG	3I	As	0.5
						LT	GN	PA	PHC	2I	Py	2
						MD	WH		PHC	3I	Gn	1
						LT	PK		ARG	2I	Sp	1
									PHC	4I		
									PRO	2I		
81.60	84.00	2.40	GRD	MG	Weak propylitic/potassic altered granodiorite. Interval contains a patch of argillic/propylitic/potassic altered granodiorite.							
						MD	WH		POT	2I		
						LT	PK		PRO	2I		
						MD	GN		ARG	2I		
						LT	GN	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
84.00	98.59	14.59	GRD	MG	Granodiorite alternating between weak to moderate phyllic alteration, moderate argillic/propylitic alteration, moderate propylitic/phyllic alteration, and argillic altered granodiorite. Alteration occurs in patches throughout. Mineralization occurs within phyllic to argillic/phyllic altered granodiorite. Zone also contains a patch of fractured and rubbly argillic granodiorite with weak phyllic alteration displaying weak to moderate oxidation.							
						LT	PK		ARG	2I	As	1
						LT	OR		ARG	3I		
									PRO	2I		
									PRO	3I		
									OXI	2I		
									OXI	3I		
						MD	GN	FR	PHC	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
						MD	WH	RB	PHC	4I	Gn	1
98.59	102.72	4.13	GRD	MG	Fractured argillic/propylitic granodiorite transitioning into weakly propylitic/potassic altered granodiorite and argillic/phyllic granodiorite. Interval remains moderately fractured throughout Argillic/phyllic granodiorite hosts multiple carbonate veins ranging from 1 to 5cm wide. Large fault zone borders the lower boundary of this lithology.							
						MD	WH		PHC	2I		
						LT	PK		POT	2I		
						MD	GN	PA	PRO	3I		
						LT	GN	FR	PRO	2I		
									ARG	3I		
									ARG	2I		
									PHC	3I		
102.72	110.01	7.29	GRD	MG	Highly fractured granodiorite fault zone. Granodiorite is weakly argillic/propylitic, propylitic, and weakly propylitic/potassic alteration. Contains many large patches of rubble, with weak gouge alteration throughout.							
						MD	WH	PA	ARG	2I		
						LT	PK		POT	2I		
						MD	GN	FR	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	RB	ARG	3I		
110.01	123.02	13.01	GRD	MG	Zonen of moderate to highly fractured granodiorite that displays patches of trace to weak propylitic, potassic, and argillic alteration. Some zones of highly fractured rubble are present.							
						MD	GN	RB	POT	1I		
									POT	2I		
						MD	WH	FR	ARG	1I		
						LT	GN	PA	PRO	1I		
									ARG	2I		
						LT	PK		PRO	2I		
123.02	131.77	8.75	GRD	MG	Zone of moderately fractured weakly argillic/phyllic altered granodiorite. Contains patches of weak gouge alteration. Within argillic/phyllic granodiorite, patches of weak propylitic granodiorite and strong argillic altered granodiorite with weak propylitic overprinting occur. Multiple small veins and veinlets of mineralized quartz carbonate occur throughout, with propylitic halos.							
						LT	WH		ARG	3I		
						MD	GN	FR	ARG	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	4
									PRO	2I		
131.77	162.19	30.42	GRD	MG	Large interval of alternating unaltered granodiorite and trace to weak propylitic/potassic altered granodiorite. Interval carries patchy argillic/phyllic/propylitic altered halo zones carrying sporadic quartz carvonate veins (veins carry occasional mineralization). Argillic patches of granodiorite are less competent, and display more fractures that surrounding granodiorite.							
						LT	PK				Py	1
						MD	GN					
						LT	GN					
						MD	WH					
162.19	166.73	4.54	QFP	MG	Black quartz feldspar porphyry dyke.							
						DK	BL	PO				

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.73	2.73	0	0	0.00	0	--	--	--	Cased
2.73	5.18	2.45	1.73	71	0.76	31	--	1H	5W	
5.18	8.23	3.05	1.71	56	0.97	32	--	2H	4W	
8.23	11.28	3.05	2.95	97	0.72	24	--	2H	4W	
11.28	14.33	3.05	2.88	94	1.87	61	--	3H	2W	
14.33	17.37	3.04	2.83	93	1.73	57	--	3H	2W	
17.37	20.42	3.05	3	98	1.66	54	--	2H	3W	Competent rock with 20 cm highly oxidized sand sized material
20.42	23.47	3.05	3	98	1.40	46	--	3H	3W	
23.47	26.52	3.05	2.97	97	1.13	37	--	3H	2W	
26.52	29.57	3.05	2.87	94	1.37	45	--	3H	2W	
29.57	32.61	3.04	2.81	92	1.23	40	--	2H	1W	
32.61	35.66	3.05	2.72	89	1.07	35	--	2H	1W	
35.66	38.71	3.05	2.78	91	1.13	37	--	2H	1W	
38.71	41.76	3.05	2.96	97	2.22	73	--	3H	1W	
41.76	44.81	3.05	2.93	96	1.74	57	--	3H	1W	
44.81	47.85	3.04	2.8	92	2.20	72	--	1H	1W	
47.85	50.90	3.05	3.05	100	2.27	74	--	1H	1W	
50.90	53.95	3.05	2.8	92	1.76	58	--	2H	1W	
53.95	57.00	3.05	2.77	91	1.33	44	--	2H	1W	
57.00	60.05	3.05	2.73	90	0.91	30	--	2H	1W	
60.05	63.09	3.04	2.7	89	0.16	5	--	2H	1W	
63.09	66.14	3.05	2.87	94	1.22	40	--	1H	1W	
66.14	69.19	3.05	2.94	96	1.43	47	--	2H	1W	
69.19	72.24	3.05	3	98	1.50	49	--	2H	1W	
72.24	75.29	3.05	2.93	96	2.01	66	--	3H	1W	
75.29	78.33	3.04	2.91	96	2.29	75	--	3H	1W	
78.33	81.38	3.05	3.01	99	2.21	72	--	3H	1W	
81.38	84.43	3.05	2.92	96	1.07	35	--	1H	1W	
84.43	87.48	3.05	2.97	97	2.27	74	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.02	99	2.37	78	--	1H	1W	
90.53	93.57	3.04	2.87	94	0.63	21	--	1H	1W	
93.57	96.62	3.05	2.98	98	0.91	30	--	1H	1W	
96.62	99.67	3.05	2.82	92	0.30	10	--	1H	1W	
99.67	102.72	3.05	2.66	87	1.07	35	--	2H	1W	
102.72	105.77	3.05	2.5	82	0.11	4	--	1H	1W	
105.77	108.81	3.04	1.79	59	0.10	3	--	2H	1W	
108.81	111.86	3.05	2.19	72	0.53	17	--	2H	1W	
111.86	114.91	3.05	2.78	91	1.13	37	--	2H	1W	
114.91	117.96	3.05	2.79	91	1.67	55	--	3H	1W	
117.96	121.01	3.05	2.61	86	1.24	41	--	3H	1W	
121.01	124.05	3.04	2.64	87	0.98	32	--	3H	1W	
124.05	127.10	3.05	3.05	100	1.10	36	--	2H	1W	
127.10	130.15	3.05	3	98	1.62	53	--	3H	1W	
130.15	133.20	3.05	3.03	99	1.46	48	--	3H	1W	
133.20	136.25	3.05	3.05	100	2.59	85	--	4H	1W	
136.25	139.29	3.04	3.04	100	1.37	45	--	3H	1W	
139.29	142.34	3.05	3.05	100	2.42	79	--	4H	1W	
142.34	145.39	3.05	2.96	97	1.73	57	--	3H	1W	
145.39	148.44	3.05	2.99	98	1.47	48	--	4H	1W	
148.44	151.49	3.05	2.97	97	2.11	69	--	3H	1W	
151.49	154.53	3.04	3.04	100	2.46	81	--	3H	1W	
154.53	157.58	3.05	3.05	100	2.92	96	--	3H	1W	
157.58	160.63	3.05	3.03	99	2.33	76	--	3H	1W	
160.63	163.68	3.05	2.88	94	1.91	63	--	3H	1W	
163.68	166.73	3.05	3.05	100	2.63	86	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
3	32.2	GRD	
4	22.1	GRD	
5	19	GRD	
6	24.9	GRD	
7	0.285	GRD	
8	0	GRD	to fractured
9	0.249	GRD	
10	6.44	GRD	
11	19.2	GRD	
12	14.7	GRD	
13	0.475	QFP	
14	0.296	QFP	
15	0.318	QFP	
16	0.297	QFP	
17	0.276	QFP	
18	0.417	QFP	
19	0.3	QFP	
20	0.603	GRD	
21	0.284	GRD	
22	0.637	GRD	
23	0.338	GRD	
24	8.38	GRD	
25	0.37	GRD	
26	0.227	GRD	
27	0.274	GRD	
28	0.243	GRD	
29	0.7	GRD	
30	0.53	GRD	
31	0.228	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
32	0.179	QFP	
33	0.23	QFP	
34	0.2	QFP	
35	0.176	QFP	
36	0.238	QFP	
37	0.221	QFP	
38	0.213	QFP	
39	0.239	QFP	
40	0.274	GRD	
41	0.46	GRD	
42	0.721	GRD	
43	1.71	GRD	
44	0.516	GRD	
45	0.702	GRD	
46	0.433	GRD	
47	0	GRD	to fractured
48	27.5	GRD	
49	23.7	GRD	
50	10.9	GRD	
51	23.9	GRD	
52	23.6	GRD	
53	17.7	GRD	
54	9.09	GRD	
55	0.461	GRD	
56	13.1	GRD	
57	3.91	GRD	
58	10.2	GRD	
59	0.177	GRD	
60	0.094	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
61	0.109	GRD	
62	0.108	GRD	
63	0.133	GRD	
64	0.192	GRD	
65	0.196	GRD	
66	0.054	GRD	
67	0.344	GRD	
68	0.184	GRD	
69	0.281	GRD	
70	0.282	GRD	
71	0.215	GRD	
72	0.328	GRD	
73	0.371	GRD	
74	1.26	GRD	
75	0.308	GRD	
76	0.197	GRD	
77	0.142	GRD	
78	0.557	GRD	
79	0.388	GRD	
80	0.367	GRD	
81	0.377	GRD	
82	15.1	GRD	
83	20.9	GRD	
84	0.32	GRD	
84	0.32	GRD	
85	0.361	GRD	
86	0.402	GRD	
87	3.59	GRD	
88	1.07	GRD	
89	2.35	GRD	
90	0.673	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
91	0.293	GRD	
92	0.116	GRD	
93	0.196	GRD	
94	0.16	GRD	
95	0.538	GRD	
96	0.299	GRD	
97	0.27	GRD	
98	0.195	GRD	
99	4.132	GRD	
100	2.65	GRD	
101	1.85	GRD	
102	0.179	GRD	
103	0.276	GRD	
104	0.634	GRD	
105	11.5	GRD	
106	0.312	GRD	
107	24.5	GRD	
108	46.8	GRD	
109	4.28	GRD	
110	27.8	GRD	
111	28.8	GRD	
112	42.1	GRD	
113	36.1	GRD	
114	17.4	GRD	
115	15.3	GRD	
116	25.6	GRD	
117	1.15	GRD	
118	27.7	GRD	
119	27.7	GRD	
120	0.807	GRD	
121	1.28	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	18.2	GRD	
123	0.35	GRD	
124	0.192	GRD	
125	0.213	GRD	
126	0.255	GRD	
127	0.207	GRD	
128	2.06	GRD	
129	0.484	GRD	
130	0.313	GRD	
131	0.14	GRD	
132	40.1	GRD	
133	14.1	GRD	
134	12.4	GRD	
135	17.4	GRD	
136	28.5	GRD	
137	12.3	GRD	
138	39.5	GRD	
139	28.9	GRD	
140	24.4	GRD	
141	20.3	GRD	
142	31.2	GRD	
143	0.157	GRD	
144	42.7	GRD	
145	46.9	GRD	
146	24.9	GRD	
147	12.1	GRD	
148	33.1	GRD	
149	10	GRD	
150	4.04	GRD	
151	0.212	GRD	
152	1.52	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
153	0.403	GRD	
154	0.339	GRD	
155	21.5	GRD	
156	0.196	GRD	
157	40.8	GRD	
158	0.395	GRD	
159	35.4	GRD	
160	43.6	GRD	
161	0.637	GRD	
162	49.1	GRD	
163	63.4	QFP	
164	60.1	QFP	
165	73.6	QFP	
166	73.8	QFP	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290777	☐	16-041			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290781	☐	16-041		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290785	☐	16-041			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290803	☐	16-044		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290809	☐	16-044			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290820	☐	16-044			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290829	☐	16-044		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290835	☐	16-047		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290841	☐	16-047			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290853	☐	16-047		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290860	☐	16-047			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290767	☐	16-041		KL-STD4	☐	☐	☐
6.05	6.55	0.50	GRD	0.50	100	K290760	☐	16-040			☐	☐	☐
6.55	8.00	1.45	GRD	0.74	51	K290761	☐	16-041			☐	☐	☐
8.00	9.00	1.00	GRD	0.50	50	K290762	☐	16-041			☐	☐	☐
9.00	9.50	0.50	GRD	0.50	100	K290763	☐	16-041			☐	☐	☐
9.50	10.00	0.50	GRD	0.50	100	K290764	☐	16-041			☐	☐	☐
10.00	10.61	0.61	GRD	0.60	98	K290765	☐	16-041			☐	☐	☐
17.97	18.53	0.56	QFP	0.56	100	K290766	☐	16-041			☐	☐	☐
18.53	19.03	0.50	QFP	0.50	100	K290768	☐	16-041			☐	☐	☐
19.03	19.64	0.61	QFP	0.61	100	K290769	☐	16-041			☐	☐	☐
19.64	20.17	0.53	QFP	0.53	100	K290770	☐	16-041			☐	☐	☐
20.17	21.13	0.96	GRD	0.94	98	K290771	☐	16-041			☐	☐	☐
21.13	21.96	0.83	GRD	0.83	100	K290772	☐	16-041			☐	☐	☐
21.13	21.96	0.83	GRD	0.83	100	K290773	☐	16-041			☐	☑	☐
21.96	22.47	0.51	GRD	0.51	100	K290774	☐	16-041			☐	☐	☐
22.47	22.97	0.50	GRD	0.50	100	K290775	☐	16-041			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
22.97	23.81	0.84	GRD	0.84	100	K290776	☐	16-041			☐	☐	☐
23.81	26.52	2.71	GRD	2.48	92	K290778	☐	16-041			☐	☐	☐
26.52	27.48	0.96	GRD	0.87	91	K290779	☐	16-041			☐	☐	☐
27.48	28.10	0.62	GRD	0.62	100	K290780	☐	16-041			☐	☐	☐
28.10	29.04	0.94	GRD	0.93	99	K290782	☐	16-041			☐	☐	☐
29.04	29.57	0.53	GRD	0.53	100	K290783	☐	16-041			☐	☐	☐
29.57	30.08	0.51	GRD	0.51	100	K290784	☐	16-041			☐	☐	☐
30.08	30.65	0.57	QFP	0.53	93	K290786	☐	16-041			☐	☐	☐
30.65	31.70	1.05	QFP	0.81	77	K290787	☐	16-041			☐	☐	☐
38.13	38.85	0.72	QFP	0.68	94	K290788	☐	16-041			☐	☐	☐
38.85	39.49	0.64	QFP	0.63	98	K290789	☐	16-041			☐	☐	☐
39.49	40.03	0.54	QFP	0.50	93	K290790	☐	16-041			☐	☐	☐
40.03	40.86	0.83	GRD	0.83	100	K290791	☐	16-041			☐	☐	☐
40.03	40.86	0.83	GRD	0.83	100	K290792	☐	16-041			☐	☐	☑
40.86	41.37	0.51	GRD	0.51	100	K290793	☐	16-041			☐	☐	☐
41.37	41.94	0.57	GRD	0.57	100	K290794	☐	16-041			☐	☐	☐
41.94	42.44	0.50	GRD	0.50	100	K290795	☐	16-041			☐	☐	☐
52.92	53.45	0.53	GRD	0.53	100	K290796	☐	16-041			☐	☐	☐
53.45	53.95	0.50	GRD	0.50	100	K290797	☐	16-044			☐	☐	☐
53.95	54.45	0.50	GRD	0.50	100	K290798	☐	16-044			☐	☐	☐
54.45	55.00	0.55	GRD	0.55	100	K290799	☐	16-044			☐	☐	☐
55.00	55.63	0.63	GRD	0.63	100	K290800	☐	16-044			☐	☐	☐
55.63	57.24	1.61	GRD	1.61	100	K290801	☐	16-044			☐	☐	☐
57.24	57.76	0.52	GRD	0.50	96	K290802	☐	16-044			☐	☐	☐
57.76	58.57	0.81	GRD	0.78	96	K290804	☐	16-044			☐	☐	☐
58.57	59.32	0.75	GRD	0.72	96	K290805	☐	16-044			☐	☐	☐
59.32	60.00	0.68	GRD	0.67	99	K292756	☐	16-020	HG		☐	☐	☐
60.00	60.88	0.88	GRD	0.84	95	K292757	☐	16-020	HG		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
60.88	61.43	0.55	GRD	0.55	100	K290806	☐	16-044			☐	☐	☐
61.43	61.98	0.55	GRD	0.55	100	K290807	☐	16-044			☐	☐	☐
61.98	62.72	0.74	GRD	0.68	92	K290808	☐	16-044			☐	☐	☐
62.72	63.74	1.02	GRD	0.85	83	K290810	☐	16-044			☐	☐	☐
63.74	64.32	0.58	GRD	0.58	100	K290811	☐	16-044			☐	☐	☐
64.32	66.61	2.29	GRD	2.26	99	K290812	☐	16-044			☐	☐	☐
66.61	67.80	1.19	QFP	1.09	92	K290813	☐	16-044			☐	☐	☐
67.80	68.32	0.52	GRD	0.52	100	K290814	☐	16-044			☐	☐	☐
68.32	68.90	0.58	GRD	0.58	100	K290815	☐	16-044			☐	☐	☐
68.32	68.90	0.58	GRD	0.58	100	K290816	☐	16-044			☐	☐	☑
68.90	70.49	1.59	GRD	1.59	100	K290817	☐	16-044			☐	☐	☐
70.49	70.99	0.50	GRD	0.50	100	K290818	☐	16-044			☐	☐	☐
70.99	71.38	0.39	GRD	0.39	100	K292758	☐	16-020	HG		☐	☐	☐
71.38	71.88	0.50	GRD	0.50	100	K290819	☐	16-044			☐	☐	☐
71.88	72.42	0.54	GRD	0.54	100	K290821	☐	16-044			☐	☐	☐
72.42	75.00	2.58	GRD	2.56	99	K290822	☐	16-044			☐	☐	☐
75.00	75.71	0.71	GRD	0.71	100	K290823	☐	16-044			☐	☐	☐
75.00	75.71	0.71	GRD	0.71	100	K290824	☐	16-044			☐	☑	☐
75.71	77.12	1.41	GRD	1.40	99	K290825	☐	16-044			☐	☐	☐
77.12	77.47	0.35	GRD	0.35	100	K292759	☐	16-020	HG		☐	☐	☐
77.47	78.00	0.53	GRD	0.53	100	K290826	☐	16-044			☐	☐	☐
78.00	78.50	0.50	GRD	0.50	100	K290827	☐	16-044			☐	☐	☐
78.50	79.00	0.50	GRD	0.50	100	K290828	☐	16-044			☐	☐	☐
86.76	87.31	0.55	GRD	0.55	100	K290830	☐	16-044			☐	☐	☐
87.31	87.89	0.58	GRD	0.53	91	K290831	☐	16-044			☐	☐	☐
87.89	90.43	2.54	GRD	2.51	99	K290832	☐	16-044			☐	☐	☐
90.43	92.86	2.43	GRD	1.93	79	K290833	☐	16-047			☐	☐	☐
92.86	94.00	1.14	GRD	1.14	100	K290834	☐	16-047			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
94.00	94.62	0.62	GRD	0.62	100	K290836	☐	16-047			☐	☐	☐
94.62	95.78	1.16	GRD	1.16	100	K290837	☐	16-047			☐	☐	☐
95.78	96.28	0.50	GRD	0.50	100	K290838	☐	16-047			☐	☐	☐
96.28	97.38	1.10	GRD	1.10	100	K290839	☐	16-047			☐	☐	☐
97.38	98.00	0.62	GRD	0.52	84	K290840	☐	16-047			☐	☐	☐
98.00	98.59	0.59	GRD	0.59	100	K290842	☐	16-047			☐	☐	☐
98.59	99.67	1.08	GRD, GRD	1.08	100	K290843	☐	16-047			☐	☐	☐
121.53	122.06	0.53	GRD	0.53	100	K290844	☐	16-047			☐	☐	☐
122.06	122.78	0.72	GRD	0.62	86	K290845	☐	16-047			☐	☐	☐
122.78	123.43	0.65	GRD	0.65	100	K290846	☐	16-047			☐	☐	☐
122.78	123.43	0.65	GRD	0.65	100	K290847	☐	16-047			☐	☐	☑
123.43	124.03	0.60	GRD	0.60	100	K290848	☐	16-047			☐	☐	☐
124.03	124.54	0.51	GRD	0.51	100	K290849	☐	16-047			☐	☐	☐
124.54	125.34	0.80	GRD	0.80	100	K290850	☐	16-047			☐	☐	☐
125.34	126.30	0.96	GRD	0.96	100	K290851	☐	16-047			☐	☐	☐
126.30	127.00	0.70	GRD	0.70	100	K290852	☐	16-047			☐	☐	☐
127.00	127.56	0.56	GRD	0.56	100	K290854	☐	16-047			☐	☐	☐
127.56	128.30	0.74	GRD	0.74	100	K290855	☐	16-047			☐	☐	☐
128.30	128.85	0.55	GRD	0.55	100	K290856	☐	16-047			☐	☐	☐
128.85	129.37	0.52	GRD	0.52	100	K290857	☐	16-047			☐	☐	☐
129.37	130.68	1.31	GRD	1.19	91	K290858	☐	16-047			☐	☐	☐
130.68	131.17	0.49	GRD	0.49	100	K290859	☐	16-047			☐	☐	☐
131.17	131.67	0.50	GRD	0.50	100	K290861	☐	16-047			☐	☐	☐
131.67	132.66	0.99	GRD	0.97	98	K290862	☐	16-047			☐	☐	☐
142.34	143.29	0.95	GRD	0.95	100	K290863	☐	16-047			☐	☐	☐
142.34	143.29	0.95	GRD	0.95	100	K290864	☐	16-047			☐	☑	☐
143.29	144.00	0.71	GRD	0.67	94	K290865	☐	16-047			☐	☐	☐
144.00	144.58	0.58	GRD	0.58	100	K290866	☐	16-047			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
144.58	145.15	0.57	GRD	0.57	100	K290867	☐	16-047			☐	☐	☐
145.15	146.15	1.00	GRD	1.00	100	K290868	☐	16-047			☐	☐	☐

KL-16-311
Central Klaza

Sample Results

################ Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-047	K290835	0.00	0.00	0.90	230	☐	☐	☐	☑ KL-STD5	
16-047	K290841	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-047	K290853	0.00	0.00	0.92	490	☐	☐	☐	☑ KL-STD5	
16-047	K290860	0.00	0.00	0.00	270	☐	☐	☑	☐	
16-041	K290767	0.00	0.00	0.35	700	☐	☐	☐	☑ KL-STD4	
16-041	K290777	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-041	K290781	0.00	0.00	0.90	950	☐	☐	☐	☑ KL-STD5	
16-041	K290785	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-044	K290803	0.00	0.00	0.38	470	☐	☐	☐	☑ KL-STD4	
16-044	K290809	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-044	K290820	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-044	K290829	0.00	0.00	0.86	140	☐	☐	☐	☑ KL-STD5	
		1.00	6.05			☐	☐	☐	☐	
16-040	K290760	6.05	6.55	0.00	2460	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-041	K290761	6.55	8.00	0.01	1940	☐	☐	☐	☐	
16-041	K290762	8.00	9.00	0.01	1950	☐	☐	☐	☐	
16-041	K290763	9.00	9.50	0.27	1980	☐	☐	☐	☐	
16-041	K290764	9.50	10.00	0.01	2080	☐	☐	☐	☐	
16-041	K290765	10.00	10.61	0.01	1990	☐	☐	☐	☐	
		10.61	17.97			☐	☐	☐	☐	
16-041	K290766	17.97	18.53	0.02	800	☐	☐	☐	☐	
16-041	K290768	18.53	19.03	0.01	1340	☐	☐	☐	☐	
16-041	K290769	19.03	19.64	0.02	450	☐	☐	☐	☐	
16-041	K290770	19.64	20.17	0.13	710	☐	☐	☐	☐	
16-041	K290771	20.17	21.13	0.04	1570	☐	☐	☐	☐	
16-041	K290772	21.13	21.96	0.03	2010	☐	☐	☐	☐	
16-041	K290773	21.13	21.96	0.03	2040	☑	☐	☐	☐	
16-041	K290774	21.96	22.47	0.02	1440	☐	☐	☐	☐	
16-041	K290775	22.47	22.97	0.15	1300	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-041	K290776	22.97	23.81	0.00	1410	☐	☐	☐	☐	
16-041	K290778	23.81	26.52	0.03	2000	☐	☐	☐	☐	
16-041	K290779	26.52	27.48	0.00	1590	☐	☐	☐	☐	
16-041	K290780	27.48	28.10	0.24	1050	☐	☐	☐	☐	
16-041	K290782	28.10	29.04	0.01	2020	☐	☐	☐	☐	
16-041	K290783	29.04	29.57	0.01	2120	☐	☐	☐	☐	
16-041	K290784	29.57	30.08	3.44	280	☐	☐	☐	☐	
16-041	K290786	30.08	30.65	0.00	1430	☐	☐	☐	☐	
16-041	K290787	30.65	31.70	0.00	1070	☐	☐	☐	☐	
		31.70	38.13			☐	☐	☐	☐	
16-041	K290788	38.13	38.85	0.00	1260	☐	☐	☐	☐	
16-041	K290789	38.85	39.49	0.00	750	☐	☐	☐	☐	
16-041	K290790	39.49	40.03	0.54	1130	☐	☐	☐	☐	
16-041	K290791	40.03	40.86	0.01	870	☐	☐	☐	☐	
16-041	K290792	40.03	40.86	0.01	860	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-041	K290793	40.86	41.37	0.34	1270	☐	☐	☐	☐	
16-041	K290794	41.37	41.94	0.01	2090	☐	☐	☐	☐	
16-041	K290795	41.94	42.44	0.00	2170	☐	☐	☐	☐	
		42.44	52.92			☐	☐	☐	☐	
16-041	K290796	52.92	53.45	0.01	2060	☐	☐	☐	☐	
16-044	K290797	53.45	53.95	0.00	1930	☐	☐	☐	☐	
16-044	K290798	53.95	54.45	0.02	1400	☐	☐	☐	☐	
16-044	K290799	54.45	55.00	0.17	570	☐	☐	☐	☐	
16-044	K290800	55.00	55.63	0.00	2050	☐	☐	☐	☐	
16-044	K290801	55.63	57.24	0.00	2030	☐	☐	☐	☐	
16-044	K290802	57.24	57.76	0.06	1910	☐	☐	☐	☐	
16-044	K290804	57.76	58.57	0.02	1440	☐	☐	☐	☐	
16-044	K290805	58.57	59.32	0.22	790	☐	☐	☐	☐	
16-020	K292756	59.32	60.00	3.04	640	☐	☐	☐	☐	
16-020	K292757	60.00	60.88	4.63	590	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-044	K290806	60.88	61.43	0.03	2460	☐	☐	☐	☐	
16-044	K290807	61.43	61.98	0.14	610	☐	☐	☐	☐	
16-044	K290808	61.98	62.72	0.99	170	☐	☐	☐	☐	
16-044	K290810	62.72	63.74	0.16	470	☐	☐	☐	☐	
16-044	K290811	63.74	64.32	0.22	420	☐	☐	☐	☐	
16-044	K290812	64.32	66.61	0.06	350	☐	☐	☐	☐	
16-044	K290813	66.61	67.80	0.15	550	☐	☐	☐	☐	
16-044	K290814	67.80	68.32	0.96	770	☐	☐	☐	☐	
16-044	K290815	68.32	68.90	0.08	380	☐	☐	☐	☐	
16-044	K290816	68.32	68.90	0.08	460	☐	☑	☐	☐	
16-044	K290817	68.90	70.49	0.03	1520	☐	☐	☐	☐	
16-044	K290818	70.49	70.99	0.01	1260	☐	☐	☐	☐	
16-020	K292758	70.99	71.38	2.24	160	☐	☐	☐	☐	
16-044	K290819	71.38	71.88	0.01	3360	☐	☐	☐	☐	
16-044	K290821	71.88	72.42	0.00	1680	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-044	K290822	72.42	75.00	0.01	2230	☐	☐	☐	☐	
16-044	K290823	75.00	75.71	0.02	2270	☐	☐	☐	☐	
16-044	K290824	75.00	75.71	0.14	2550	☑	☐	☐	☐	
16-044	K290825	75.71	77.12	0.02	1470	☐	☐	☐	☐	
16-020	K292759	77.12	77.47	5.42	580	☐	☐	☐	☐	
16-044	K290826	77.47	78.00	0.10	830	☐	☐	☐	☐	
16-044	K290827	78.00	78.50	0.00	2120	☐	☐	☐	☐	
16-044	K290828	78.50	79.00	0.00	2970	☐	☐	☐	☐	
		79.00	86.76			☐	☐	☐	☐	
16-044	K290830	86.76	87.31	0.00	2080	☐	☐	☐	☐	
16-044	K290831	87.31	87.89	0.02	930	☐	☐	☐	☐	
16-044	K290832	87.89	90.43	0.03	1740	☐	☐	☐	☐	
16-047	K290833	90.43	92.86	0.45	1160	☐	☐	☐	☐	
16-047	K290834	92.86	94.00	0.37	530	☐	☐	☐	☐	
16-047	K290836	94.00	94.62	2.84	150	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-047	K290837	94.62	95.78	0.01	1940	☐	☐	☐	☐	
16-047	K290838	95.78	96.28	1.93	3360	☐	☐	☐	☐	
16-047	K290839	96.28	97.38	0.20	1010	☐	☐	☐	☐	
16-047	K290840	97.38	98.00	0.35	360	☐	☐	☐	☐	
16-047	K290842	98.00	98.59	0.01	1990	☐	☐	☐	☐	
16-047	K290843	98.59	99.67	0.01	2030	☐	☐	☐	☐	
		99.67	######			☐	☐	☐	☐	
16-047	K290844	121.53	122.06	0.00	2060	☐	☐	☐	☐	
16-047	K290845	122.06	122.78	0.00	1930	☐	☐	☐	☐	
16-047	K290846	122.78	123.43	0.00	1830	☐	☐	☐	☐	
16-047	K290847	122.78	123.43	0.00	1830	☐	☑	☐	☐	
16-047	K290848	123.43	124.03	0.09	290	☐	☐	☐	☐	
16-047	K290849	124.03	124.54	0.01	1070	☐	☐	☐	☐	
16-047	K290850	124.54	125.34	0.05	670	☐	☐	☐	☐	
16-047	K290851	125.34	126.30	0.08	1670	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-047	K290852	126.30	127.00	0.01	1080	☐	☐	☐	☐	
16-047	K290854	127.00	127.56	0.18	480	☐	☐	☐	☐	
16-047	K290855	127.56	128.30	0.03	2640	☐	☐	☐	☐	
16-047	K290856	128.30	128.85	0.42	390	☐	☐	☐	☐	
16-047	K290857	128.85	129.37	0.01	2180	☐	☐	☐	☐	
16-047	K290858	129.37	130.68	0.00	1680	☐	☐	☐	☐	
16-047	K290859	130.68	131.17	0.22	1290	☐	☐	☐	☐	
16-047	K290861	131.17	131.67	0.05	2110	☐	☐	☐	☐	
16-047	K290862	131.67	132.66	0.01	2760	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-047	K290863	142.34	143.29	0.01	2230	☐	☐	☐	☐	
16-047	K290864	142.34	143.29	0.01	2320	☑	☐	☐	☐	
16-047	K290865	143.29	144.00	0.00	2010	☐	☐	☐	☐	
16-047	K290866	144.00	144.58	1.04	280	☐	☐	☐	☐	
16-047	K290867	144.58	145.15	0.00	2390	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-047	K290868	145.15	146.15	0.00	2350	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
9.07	9.45	BX	34	-	NUL	1	Structure that resembles a heavily oxidized and weathered breccia. Breccia carries clasts ranging from pebble to cobble in size, and hosts disseminated pyrite throughout.			
								Py	3	DI
19.82	20.04	VB	37	60	NUL	1	Moderate to strongly silicified propylitic granodiorite hosting two quartz/carbonate veins. Breccia vein carries two main mineralized quartz carbonate veins at 60*TCA, which hosts blebby zoned honey brown sphalerite. Between two veins and along the upper selvedge of the initial vein, flooded quartz brecciates tan carbonate, blebby sphalerite and galena, and argillic granodiorite clasts.			
								Py	2	DI
								Gn	0.5	DI
								Sp	9	BL
22.57	22.59	VT	37	85	NUL	1	Smokey quatz/black breccia veinlet alongside gouge altered phyllic granodiorite (found along lower selvedge). Veinlets host disseminated pyrite.			
								Py	0.5	DI
22.65	22.75	VN	37	65	NUL	2	Two 3.5cm quartz (both smokey quartz and white quartz) carbonate/black breccia veins seperated by 3cm of phyllic altered granodiorite. Upper black breccia quartz vein is found in close proximity to moderately gouge altered phyllic granodiorite along its upper selvedge. Vein also displays trace to weak brecciation, and hosts trace disseminated pyrite. The second vein is a white quartz/carbonate/black breccia vein hosting blebby pyrite, galena, and zoned honey brown sphalerite. Black breccia vein is brecciating a phase of smokey quartz, which is found along the lower selvedge of the remaining white quartz vein. Breccia contains white quartz, carbonate, and phyllic granodiorite clasts along with disseminated pyrite and galena.			
								Py	3	DI
								Gn	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	1	BL
27.52	27.70	BX	34	60	NUL	3	Three black breccia veins (1, 1, 5cm) crosscutting weakly argillic altered granodiorite with weak to moderate overprinting. Veins brecciate surrounding phyllic granodiorite, and also contain clasts of quartz, argillic granodiorite grains, and blebby pyrite. Clast sizes range from sand to cobble.			
27.74	28.00	BX	34	70	NUL	1	Argillic/phyllic altered granodiorite carrying a black breccia vein. Vein brecciates smokey quartz, phyllic granodiorite, tan carbonate, and minor white quartz. Breccia hosts trace disseminated pyrite throughout			
								Py	1	DI
29.62	29.67	BX	34	65	NUL	1	Black breccia/quartz vein. Black breccia brecciates smokey quartz and propylitic altered granodiorite, with clasts ranging from sand to cobble sized. Breccia hosts disseminated pyrite.			
								Py	5	DI
29.98	30.03	BV		80	NUL	1	Quartz flooded propylitic altered granodiorite. Vein hosts blebby galena, arsenopyrite, disseminated pyrite. Vein displays net texture between sulfide grains. Vein zone is found along the upper selvedge of a light green quartz feldspar porphyry contact.			
								Py	3	DI
								As	12	BL
								Gn	15	BL
39.73	39.85	BV		65	NUL	2	Quartz flooded argillic/propylitic granodiorite hosting both black breccia and a small quartz vein. Quartz vein is found directly along the lower selvedge of a light green quartz feldspar porphyry dyke, hosting blebby galena, zoned honey brown sphalerite, and pyrite. Proximal to the vein, a black breccia is found with clasts of propylitic granodiorite, quartz, carbonate, and pyrite.			
								Py	3	DI
								Gn	3	BL
								Sp	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
40.98	41.00	VN	37	85	NUL	1	Propylitic altered granodiorite carrying a quartz vein. Vein hosts blebby pyrite, and sphalerite within the quartz vein, and minor disseminated galena along the upper and lower vein selvedges.			
								Sp	4	BL
								Py	20	BL
								Gn	0.5	DI
45.32	45.35	VN	37	80	NUL	1	Moderately propylitic altered granodiorite carrying a quartz carbonate vein. Tan and white carbonate are present, and are intermixed with quartz vein. Vein hosts disseminated pyrite and sphalerite.			
								Py	1	DI
								Sp	1	DI
54.50	54.53	BX	34	85	NUL	1	Black breccia crosscutting propylitic to phyllic altered granodiorite. Breccia carries clasts of quartz, disseminated pyrite, and green to yellow propylitic granodiorite with tan carbonate. Sporadic white carbonate stringers cross through breccia.			
								Py	1	DI
54.65	54.78	BV		60	NUL	1	propylitic altered granodiorite being crosscut by both smokey quartz, and black breccia. Black breccia is found with clasts of propylitic granodiorite, quartz, yellow carbonate, and minor disseminated pyrite. This breccia is flooded by a quartz vein, carrying blebby pyrite.			
								Py	5	BL
59.22	59.65	VN	37	25	NUL	1	Quartz flooded argillic/phyllic granodiorite carrying a vein of highly fractured, rubbly quartz vein. Vein hosts blebby to disseminated pyrite, blebby sphalerite, blebby galena, and blebby arsenopyrite.			
								As	4	BL
								Py	14	BL
								Gn	4	BL
								Sp	6	BL
59.85	59.89	VN	37	45	NUL	1	argillic/phyllic granodiorite carrying a flooded quartz vein. Vein hosts two main bands of mineralization, each hosting blebby pyrite, honey brown sphalerite with minor zoning, arsenopyrite, and minor disseminated galena.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	12	BL
								As	3	BL
								Gn	5	DI
								Sp	10	BL
60.17	61.00	VN	37	-	NUL	2	Highly fractured and weak to moderately gouge altered quartz vein found within quartz flooded phyllic/argillic granodiorite. Quartz vein zone hosts semi-massive disseminated to blebby pyrite, blebby arsenopyrite, blebby to disseminated galena, and blebby sphalerite. Mineral concentrations hard to determine due to fractured and rubbly nature of this vein zone. Quartz flooded veining and mineralization occur over entire interval, but are concentrated along two main zones (60.15-60.37m, 60.52-61m)			
								Sp	4	BL
								Py	7	BL
								Gn	2	BL
								As	2	BL
63.86	63.94	VN	37	65	NUL	1	Gouge altered smokey quartz vein hosting disseminated pyrite, with possible disseminated sphalerite and arsenopyrite. Mineral ID is diffucult due to gouge altered nature of interval.			
								Sp	0.1	DI
								As	0.1	DI
								Py	3	DI
68.01	68.03	VN	37	70	NUL	1	Quartz carbonate vein found within argillic/phyllic altered granodiorite. Vein hosts blebby galena, and honey brown sphalerite. Tan ankerite is found in stringers surrounding the vein, along with minor disseminated pyrite.			
								Gn	60	BL
								Py	1	DI
								Sp	35	BL
68.13	68.15	VN	37	75	NUL	1	Smokey quartz carbonate vein hosting disseminated pyrite, and trace blebs of sphalerite.			
								Sp	0.1	BL
								Py	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
71.13	71.24	VN	37	55	NUL	1	11cm Klaza Vein. Weak to moderate argillic/phyllic altered granodiorite carrying a significant polymetallic vein. Quartz vein hosts massive pyrite, sphalerite (blackjack, and honey brown), and galena.			
								Py	35	MA
								Gn	30	BL
								Sp	25	BL
77.16	77.19	VN	37	65	NUL	1	Argillic/phyllic altered granodiorite carrying a 2.5cm quartz vein. Vein hosts blebby pyrite, sphalerite, and arsenopyrite, and disseminated galena proximal to quartz veining. Minor mineralization occurs along the outer selvedges of vein.			
								As	5	BL
								Gn	5	DI
								Sp	15	BL
								Py	25	BL
77.28	77.39	VN	37	85	NUL	1	11cm quartz vein crosscutting argillic/phyllic granodiorite. Quartz vein hosts semi-massive blebs of pyrite, arsenopyrite, disseminated to blebby galena, and blebby sphalerite. Mineralization is found throughout entire quartz vein, as well as along the upper selvedge of the quartz vein. Carbonate stringers and and smokey quartz are present along upper selvedge, with very weak brecciation present.			
								Py	20	MA
								As	20	MA
								Gn	5	BL
								Sp	5	BL
85.24	85.27	VN	37	75	NUL	1	Argillic/phyllic altered granodiorite with a smokey quartz/carbonate vein crosscutting it. Vein hosts tan and pink carbonate. No mineralization present.			
87.99	88.01	VN	37	85	NUL	1	Phyllic altered granodiorite carrying a carbonate vein with smokey quartz along its upper selvedge.			
88.17	88.19	VN	37	70	NUL	1	2cm Smokey quartz carbonate vein hosting disseminated pyrite. Vein found within phyllic altered granodiorite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
90.33	90.61	VN	37	60	NUL	5	Argillic phyllic altered granodiorite carrying 5 carbonate veinlets with smokey quartz along the outer selvedges. Veinlets range from 0.2 to 0.7cm. Main smokey quartz carbonate veinlet carries both smokey quartz and quartz, and hosts trace disseminated pyrite.			
								Py	0.1	DI
94.38	94.49	VN	37	80	NUL	1	Argillic/phyllic altered granodiorite with a smokey quartz carbonate vein crosscuting. Smokey quartz carbonate vein occurs in multiple phases, where smokey quartz envelops clasts of phyllic granodiorite, and slightly brecciates surrounding quartz, carbonate, granodiorite matrix. Clasts range from sand to small pebble in size. Smokey quartz and carbonate display rough banded texture. Vein hosts blebby pyrite, honey brown sphalerite, and galena throughout entire vein.			
								Sp	5	BL
								Gn	5	BL
								Py	5	BL
96.83	97.05	VN	37	-	NUL	1	Highly fractured smokey quartz vein hosting disseminated to blebby pyrite, sphalerite, galena, and arsenopyrite. Vein is apart of an oxidized vein one of argillic/propylitic granodiorite. Vein is a banded smokey quartz/quartz carbonate vein breccia. Vein displays recurring bands of smokey quartz, and quartz carbonate, with smokey quartz brecciating carbonate and phyllic granodiorite.			
								Sp	4	BL
								As	2	DI
								Gn	2	DI
								Py	12	DI
97.43	97.44	VT	37	60	NUL	1	Smokey quartz veinlet hosting disseminated pyrite. Veinlet is hosted within argillic/phyllic altered granodiorite found within an oxidized quartz flooded vein zone.			
								Py	18	DI
97.71	97.75	VN	37	vn	NUL	1	Smokey quartz vein found within argillic/phyllic granodiorite hosting blebby pyrite. Vein is highly fractured.			
								Py	13	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
113.85	113.88	VT	37	85	NUL	1	Weakly propylitic altered granodiorite carrying small quartz carbonate veinlets (0.6cm) hosting disseminated pyrite.			
								Py	12	DI
123.95	123.96	VT	37	65	NUL	1	Quartz carbonate vein found within argillic/phyllic granodiorite hosting disseminated pyrite.			
								Py	15	DI
125.79	126.18	VB	37	50	NUL	5	Phyllic altered granodiorite carrying a zone of sporadic quartz/carbonate veins. Quartz and tan carbonate crosscut granodiorite in veins and veinlets ranging from 2cm to 0.2cm, hosting sporadic pyrite blebs. This interval is crosscut by a 3cm smokey quartz vein that brecciates quartz and carbonate veinlets immediately surrounding it. Clasts contain quartz, carbonate, and phyllic granodiorite ranging from sand to pebble size.			
								Py	1	BL
126.09	126.17	VN	37	55	NUL	1	5cm quartz vein found within phyllic granodiorite. Quartz vein has tan carbonate veinlets crosscutting it.			
127.36	127.40	VN	37	75	NUL	1	4cm Quartz vein found within weakly silicified propylitic granodiorite. Vein hosts disseminated pyrite throughout, and trace sporadic galena and sphalerite. Small stringers of smokey quartz crosscut the vein.			
								Py	4	DI
								Gn	0.1	BL
								Sp	0.1	BL
127.53	127.54	VT	37	40	NUL	1	0.4cm quartz veinlet hosting disseminated pyrite and sphale			
128.53	128.57	VN	37	85	NUL	1	3.5cm Smokey quartz/carbonate vein found within a phyllic altered granodiorite halo. Smokey quartz vein has carbonate along its upper selvedge, and through the centre of the vein, with mineralziation spread throughout. Mineralization within the vein includes blebby pyrite, and honey brown sphalerite with slight zoning.			
								Sp	5	BL
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
131.05	131.07	VN	37	85	NUL	1	2cm smokey quartz vein found within argillic/phyllic granodiorite. Hosts disseminated pyrite.			
								Py	5	DI
144.26	144.31	VN	37	80	NUL	1	6cm quartz carbonate (white and tan) vein hosting disseminated pyrite.			
								Py	15	DI
147.04	147.06	VN	37	80	NUL	1	2cm smokey quartz carbonate vein hosting disseminated to blebby pyrite.			
								Py	10	DI
								Py	1	BL
154.14	154.29	VT	37	20	NUL	3	3 low angle quartz veinlets (~0.5cm each) hosting blebby pyrite and a soft red mineral (no scratch colour, soft, almost resembles hematizatoin/potassic staining).			
								Py	15	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383053	6890163	1350.05	139.29

ZONE: Central Klaza

SECTION:

HOLE: KL-16-312

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 7.32m, Out

Drilling Dates: Jul 12 - Jul 13, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	34	-50.9	Reflex
130.14	41.2	-52.2	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.6	1.6	CAS
1.6	5.18	3.58	OVB
5.18	13.28	8.1	GRD
13.28	19.8	6.52	GRD
19.8	32.1	12.3	GRD
32.1	36.96	4.86	GRD
36.96	44.59	7.63	QFP
44.59	46.53	1.94	GRD
46.53	49.82	3.29	GRD
49.82	52.49	2.67	GRD
52.49	53.82	1.33	QFP
53.82	67.51	13.69	GRD
67.51	70.67	3.16	GRD
70.67	71.01	0.34	QFP
71.01	74.03	3.02	GRD
74.03	76.66	2.63	QFP

SAMPLES	
Numbers:	K290869 to K290900, K292760, S047551 to S047592
Total:	75
Batch:	020, 049, 052, 054
Certificates:	VA16118736, VA16118738, VA16121836, VA16121842

COMMENTS
Block error. Hole is 20ft longer than originally listed. Error adjusted.

76.66	83.36	6.7	GRD
83.36	95.3	11.94	GRD
95.3	99.67	4.37	GRD
99.67	102.09	2.42	FLR
102.09	108.61	6.52	GRD
108.61	121.26	12.65	GRD
121.26	127.6	6.34	GRD
127.6	139.29	11.69	GRD

Box Log

KL-16-312

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.6	7.28
2	7.28	11.43
3	11.43	15.51
4	15.51	19.68
5	19.68	23.82
6	23.82	27.67
7	27.67	31.91
8	31.91	36.06
9	36.06	40.45
10	40.45	44.81
11	44.81	49.12
12	49.12	53.35
13	53.35	57.57
14	57.57	61.81
15	61.81	67.31
16	67.31	72.98
17	72.98	78.33
18	78.33	84
19	84	89.49
20	89.49	95.03
21	95.03	100.43
22	100.43	105.77
23	105.77	111.32
24	111.32	116.55
25	116.55	122.08
26	122.08	127.6
27	127.6	133.2
28	133.2	138.4
29	138.4	139.29

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-312									
	52.73	15.5	NQ2	QFP	874.5	559.9	2.66	2.8	8cm Black breccia found crosscutting brown quartz feldspar porphyry dyke. Breccia has carbonate veinlets along both selvedges of the black breccia. Hosts clasts of pyrite mineralized quartz, carboante, and phyllic grandiorite. Blebby sphalerite found along carbonate veins of upper breccia selvedge. Piece is half breccia half porphyry.
	55.66	16.5	NQ2	GRD	927.5	588.8	2.65	2.7	
	73.85	12	NQ2	GRD	662.9	423	2.6	2.8	Smokey quartz flooded propylitic granodiorite
	82.22	20	NQ2	GRD	1136.6	133.3	2.68	1.1	b
	82.47	8	NQ2	GRD	607.8	440	3.58	3.6	c
	110.71	9	NQ2	GRD	539.7	349.7	2.82	2.8	d

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.18	13.28	8.10	GRD	MG	Granodiorite alternating between weakly potassic alteration, and unaltered granodiorite. Interval is highly fractured with heavy oxidation and weathering.							
						LT	OR	RB	OXI	3I		
						LT	BR	PA	POT	2I		
						LT	PK	FR	OXI	4I		
13.28	19.80	6.52	GRD	MG	Patchy strong argillic to moderate argillic altered granodiorite with patchy weak propylitic overprinting. Interval has patchy oxidation throughout. Moderately fractured.							
						MD	WH	FR	ARG	4I		
						MD	OR		OXI	2I		
						LT	GN	PA	ARG	3I		
						LT	OR		PRO	2I		
									OXI	3I		
									OXI	4I		
19.80	25.29	5.49	GRD	MG	Unaltered granodiorite with recurring small patches of weak potassic/propylitic, and strong argillic alteration. Granodiorite is moderate to highly fractured in areas of argillic alteration. Weak gouge alteration can be found within argillc altered granodiorite, and oxidation is found throughout entire interval along fractures and joints.							
						MD	OR	RB	PRO	2I		
						MD	GN		POT	2I		
						LT	PK	PA	ARG	3I		
						LT	TN	FR	ARG	4I		
25.29	25.73	0.44	GRD	MG	Strongly argillic altered granodiorite with weak gouge alteration and oxidation.							
						LT	TN	RB	ARG	4I		
32.10	33.40	1.30	GRD	MG	moderately propylitic altered granodiorite with high fractures and oxidation.							
						MD	GN	FR	PRO	3I	Py	1
						MD	OR		PRO	2I		
									OXI	3I		
33.40	36.96	3.56	GRD	MG	Argillic/propylitic altered granodiorite. With sporadic oxidation and gouge alteration.							
						MD	GN		PRO	3I	Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FR	PRO	2I	Py	1
						LT	OR		ARG	2I	As	0.1
									OXI	3I		
36.96	44.59	7.63	QFP	FG	Light green to brown quartz feldspar porphyry dyke. Contains clasts of chlorite and carbonate ranging from small sand to large cobble in size. Both contacts of dyke are weak to slightly moderately gouge altered.							
						LT	GN	PO				
						LT	BR					
44.59	46.53	1.94	GRD	MG	Weak to moderately argillc/propylitic altered granodiorite. Vein found within granodiorite along lower contact of quartz feldspar porphyry dyke, and within weakly argillc/propylitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	WH		ARG	2I		
						LT	GN	PA	PRO	2I	Py	1
46.53	49.82	3.29	GRD	MG	Unaltered granodiorite alternating with weak propylitic/trace potassic altered granodiorite.							
						LT	GN		PRO	1I		
						LT	PK		PRO	2I		
									POT	1I		
49.82	52.49	2.67	GRD	MG	Patchy argillic/phyllic to argillic/propylitic granodiorite that has been weakly to moderately altered. Borders light green to brown quartz feldspar porphyry dyke along its lower boundary.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	2I		
									PRO	3I		
52.49	52.78	0.29	QFP	FG	Brown quartz feldspar porphyry dyke. Carries two large (20cm, 13cm) black breccia veins that crosscut dyke.							
						MD	BR					
						LT	BR	PO				
52.78	52.97	0.19	BXA	MG	Black breccia crosscutting quartz feldspar porphyry dyke. Contains pebble to cobble sized clasts of chlorite, and carbonate. Hosts minor blebby sphalerite mineralization and dissemianted pyrite.							
						DK	BL	BX			Sp	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Py	0.1
53.42	53.57	0.15	BXA	MG	Black breccia vein (14cm) crosscutting brown quartz feldspar porphyry dyke. Carries pebble to large cobble sized clasts of brown dyke, argillc granodiorite, chlorite, carbonate, and also hosts disseminated pyrite throughout.							
						DK	BL	BX			Py	0.5
53.82	67.51	13.69	GRD	MG	Patchy argillic/propylitic and argillic/phyllic altered granodiorite. Carries multiple black breccia veins throughout.							
						MD	GN	BX	PRO	2I		
						LT	GN	PA	PHC	2I	Py	1
						LT	WH		ARG	2I		
									PRO	3I		
67.51	70.67	3.16	GRD	MG	Patchy argillic/propylitic to propylitic altered granodiorite.							
						MD	GN	PA	PRO	2I		
						LT	GN		PRO	3I		
						LT	WH		ARG	2I		
70.67	71.01	0.34	QFP	FG	Light brown to dark green quartz feldspar porphyry dyke.							
						MD	GN					
						LT	BR	PO				
						LT	GN					
71.01	74.03	3.02	GRD	MG	Zone of weak to moderately argillic altered granodiorite alternating with argillic/propylitic alteration. Zone becomes more propylitic with depth, until the last 26cm, whre smokey quartz veining occurs crosscutting moderate propylitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	WH		PRO	2I		
						LT	GN	PA	ARG	2I	Py	4
76.66	79.21	2.55	GRD	MG	Patchy weak to moderate argillic/propylitic granodiorite transitioning into moderately phyllic altered granodiorite. Interval hosts multiple black breccia and smokey quartz veins displaying sulfide mineralization. Weak to moderate gouge alteration found in patches throughout.							
						MD	GN		PRO	2I	Gn	0.1
						MD	WH		PRO	3I	Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	ARG	2I	Py	3
									PHC	2I	As	0.1
									PHC	3I		
79.21	83.36	4.15	GRD	MG	Weak to moderately phyllic granodiorite. Interval hosts multiple black breccia and smokey quartz veins displaying sulfide mineralization. Weak to moderate gouge alteration found in patches throughout.							
						MD	GN		PHC	3I	Sp	0.1
						LT	GN	PA	PHC	2I	Py	3
											Gn	0.1
											As	0.1
83.36	95.30	11.94	GRD	MG	Unaltered granodiorite with patches of weak to moderate argillic alteration. Interval carries various sizes of propylitic halos hosting quartz and carbonate veins (little to no significant mineralization). Argillic patches display rock breakdown and weak rubbling.							
						MD	GN		ARG	2I		
						LT	GN	PA	PRO	2I	Py	0.1
95.30	98.38	3.08	GRD	MG	Moderately argillic altered granodiorite with patches of weak phyllic overprinting, and weak to moderate quartz flooding with oxidation. Weak gouge alteration and weak to moderate oxidation are found within phyllic altered granodiorite with quartz flooding. Moderately significant sulfide mineralized vein found within phyllic argillic granodiorite.							
						MD	GN	FR	PHC	2I	Sp	1
						LT	WH	RB	ARG	3I	Py	1
						LT	GN	PA	ARG	2I	Gn	0.1
						LT	OR		PHC	3I		
									OXI	2I		
									OXI	3I		
98.38	99.67	1.29	GRD	MG	Oxidized and highly fractured phyllic granodiorite. Hosts disseminated pyrite. Shows weak gouge alteration							
						MD	GN	RB	PHC	3I		
						LT	GN	FR	PHC	2I		
						LT	OR		ARG	2I		
									OXI	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
99.67	102.09	2.42	FLR	MG	Severely fractured and moderate to strongly oxidized granodiorite that has undergone faulting.							
						MD	OR	FR	OXI	4I		
						LT	OR	RB	OXI	3I		
									OXI	5I		
102.09	104.38	2.29	GRD	MG	Moderately argillic altered granodiorite that has been highly fractured and displays weak gouge alteration.							
						MD	WH	PA	ARG	2I		
						LT	OR	FR	ARG	3I		
								RB	OXI	1I		
104.38	108.61	4.23	GRD	MG	Moderately argillic altered granodiorite transitioning into phyllic to phyllic/argillic altered granodiorite. Interval hosts an oxidized vein zone of recurring smokey quartz veins and veinlets, as a zone of brecciation. Weak to slightly moderate gouge alteration present.							
						MD	GN		PHC	2I	As	1
						LT	GN	PA	OXI	2I	Py	1
						LT	OR		PHC	3I		
									ARG	2I		
108.61	115.83	7.22	GRD	MG	Patchy moderate argillic, argillic/phyllic, and phyllic altered granodiorite. Contains small zones of propylitic altered granodiorite. Argillic zones are sporadically rubbly and highly fractured.							
						MD	GN	FR	PHC	3I	Sp	1
						MD	WH		ARG	3I		
						LT	WH	RB	ARG	2I		
						LT	GN	PA	PHC	2I	Py	1
									PRO	2I		
115.83	116.22	0.39	GRD	MG	Highly fractured and rubbly argillc granodiorite with trace to weak propylitic overprinting.							
						LT	GN	RB	ARG	3I		
						LT	WH	FR	ARG	2I		
									PRO	2I		
									PRO	1I		
121.26	125.52	4.26	GRD	MG	Unaltered granodiorite with patches of a phyllic halo carrying quartz carbonate veins and smokey quartz veins with pyrite mineralization.							
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	2I	Py	1
125.52	126.00	0.48	GRD	MG	Propylitic to phyllic halo of granodiorite carrying quartz carbonate and smokey quartz veins. Host minor pyrite mineralization.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I	Py	1
									PRO	2I		
127.60	139.29	11.69	GRD	MG	Unaltered granodiorite with patches of zenolith. Contains a small interval of argillic/propylitic granodiorite. Interval contains patchy rubbled and fractured zones.							
						LT	GN	PA	PRO	2I		
								RB	ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.18	13.28	8.10	GRD	MG	Granodiorite alternating between weakly potassic alteration, and unaltered granodiorite. Interval is highly fractured with heavy oxidation and weathering.							
						LT	OR	RB	OXI	3I		
						LT	PK	FR	OXI	4I		
						LT	BR	PA	POT	2I		
13.28	19.80	6.52	GRD	MG	Patchy strong argillic to moderate argillic altered granodiorite with patchy weak propylitic overprinting. Interval has patchy oxidation throughout. Moderately fractured.							
									OXI	4I		
						LT	GN	PA	ARG	3I		
						MD	WH	FR	ARG	4I		
						LT	OR		PRO	2I		
						MD	OR		OXI	2I		
									OXI	3I		
19.80	32.10	12.30	GRD	MG	Unaltered granodiorite with recurring small patches of weak potassic/propylitic, and strong argillic alteration. Granodiorite is moderate to highly fractured in areas of argillic alteration. Weak gouge alteration can be found within argillc altered granodiorite, and oxidation is found throughout entire interval along fractures and joints.							
						MD	GN		POT	2I		
						MD	OR	RB	PRO	2I		
						LT	PK	PA	ARG	3I		
						LT	TN	FR	ARG	4I		
32.10	36.96	4.86	GRD	MG	Highly fractured and rubbly zone of weak to moderate argillic/propylitic and propylitic altered granodiorite. Fractures and joints within interval display strong oxidatoni along planes, and minor gouge alteration occurs in patches throughout. MIneralization found throughout. Interval along upper contact of a quartz feldspar porphyry dyke. Zone of propylitic altered granodiorite displays more fractures and oxidation than more competent phyllic altered granodiorite.							
						LT	GN	PA	PRO	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PRO	3I	Sp	1
						MD	OR	RB	ARG	2I	As	0.1
									PHC	2I		
									OXI	3I		
36.96	44.59	7.63	QFP	FG	Light green to brown quartz feldspar porphyry dyke. Contains clasts of chlorite and carbonate ranging from small sand to large cobble in size. Both contacts of dyke are weak to slightly moderately gouge altered.							
						LT	GN	PO				
						LT	BR					
44.59	46.53	1.94	GRD	MG	Weak to moderately argillc/propylitic altered granodiorite. Vein found within granodiorite along lower contact of quartz feldspar porphyry dyke, and within weakly argillc/propylitic altered granodiorite.							
						LT	GN	PA	PRO	2I	Py	1
						MD	GN		PRO	3I		
						MD	WH		ARG	2I		
46.53	49.82	3.29	GRD	MG	Unaltered granodiorite alternating with weak propylitic/trace potassic altered granodiorite.							
						LT	GN		PRO	1I		
						LT	PK		PRO	2I		
									POT	1I		
49.82	52.49	2.67	GRD	MG	Patchy argillic/phyllic to argillic/propylitic granodiorite that has been weakly to moderately altered. Borders light green to brown quartz feldspar porphyry dyke along its lower boundary.							
						MD	GN		PRO	2I		
						LT	WH		ARG	2I		
						LT	GN	PA	PHC	2I		
									PRO	3I		
52.49	53.82	1.33	QFP	FG	Brown quartz feldspar porphyry dyke. Carries two large (20cm, 13cm) black breccia veins that crosscut dyke.							
						LT	BR	PO				
						MD	BR					
53.82	67.51	13.69	GRD	MG	Patchy argillic/propylitic and argillic/phyllic altered granodiorite. Carries multiple black breccia veins throughout.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	BX	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
									PRO	3I		
67.51	70.67	3.16	GRD	MG	Patchy argillic/propylitic to propylitic altered granodiorite.							
						LT	GN		PRO	3I		
						LT	WH		ARG	2I		
						MD	GN	PA	PRO	2I		
70.67	71.01	0.34	QFP	FG	Light brown to dark green quartz feldspar porphyry dyke.							
						LT	BR	PO				
						LT	GN					
						MD	GN					
71.01	74.03	3.02	GRD	MG	Zone of weak to moderately argillic altered granodiorite alternating with argillic/propylitic alteration. Zone becomes more propylitic with depth, until the last 26cm, whre smokey quartz veining occurs crosscutting moderate propylitic altered granodiorite.							
						LT	GN	PA	ARG	2I	Py	4
						MD	WH		PRO	2I		
						MD	GN		PRO	3I		
76.66	83.36	6.70	GRD	MG	Patchy weak to moderate argillic/propylitic granodiorite transitioning into moderately phyllic altered granodiorite. Interval hosts multiple black breccia and smokey quartz veins displaying sulfide mineralization. Weak to moderate gouge alteration found in patches throughout.							
									PHC	3I		
									PHC	2I	As	0.1
						LT	GN	PA	ARG	2I	Py	3
						MD	GN		PRO	2I	Gn	0.1
						MD	WH		PRO	3I	Sp	0.1
83.36	95.30	11.94	GRD	MG	Unaltered granodiorite with patches of weak to moderate argillic alteration. Interval carries various sizes of propylitic halos hosting quartz and carbonate veins (little to no significant mineralization). Argillic patches display rock breakdown and weak rubbling.							
						LT	GN	PA	PRO	2I	Py	0.1
						MD	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
95.30	99.67	4.37	GRD	MG	Moderately argillic altered granodiorite with patches of weak phyllic overprinting, and weak to moderate quartz flooding with oxidation. Weak gouge alteration and weak to moderate oxidation are found within phyllic altered granodiorite with quartz flooding. Moderately significant sulfide mineralized vein found within phyllic argillic granodiorite.							
									OXI	2I		
						LT	GN	PA	ARG	2I	Gn	0.1
						LT	OR		PHC	3I		
									OXI	3I		
						MD	GN	FR	PHC	2I	Sp	1
						LT	WH	RB	ARG	3I	Py	1
99.67	102.09	2.42	FLR	MG	Severely fractured and moderate to strongly oxidized granodiorite that has undergone faulting.							
									OXI	5I		
						MD	OR	FR	OXI	4I		
						LT	OR	RB	OXI	3I		
102.09	108.61	6.52	GRD	MG	Moderately argillic altered granodiorite alternating between patchy argillic/phyllic, propylitic, and phyllic alteration. Arillic granodiorite is highly fractured in areas. Oxidized and gouge altered vein zone is present within argillic/phyllic granodiorite.							
						MD	WH	RB	PHC	2I		
									OXI	3I		
									PHC	3I		
						LT	OR	FR	ARG	3I		
						LT	GN	PA	ARG	2I	Py	1
									OXI	2I		
108.61	121.26	12.65	GRD	MG	Patchy moderate argillic, argillic/phyllic, and phyllic altered granodiorite. Contains small zones of propylitic altered granodiorite. Argillic zones are sporadically rubbly and highly fractured.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Sp	1
						LT	WH	RB	ARG	2I		
						MD	WH		ARG	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
121.26	127.60	6.34	GRD	MG	Unaltered granodiorite with patches of a phyllic halo carrying quartz carbonate veins and smokey quartz veins with pyrite mineralization.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN		PHC	3I		
127.60	139.29	11.69	GRD	MG	Unaltered granodiorite with patches of zenolith. Contains a small interval of argillic/propylitic granodiorite. Interval contains patchy rubbled and fractured zones.							
								RB	ARG	1I		
						LT	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.60	1.60	0	0	0.00	0	--	--	--	Casing
1.60	2.13	0.53	0.3	57	0.00	0	--	1H	6W	overburden
2.13	5.18	3.05	0.88	29	0.00	0	--	1H	5W	overburden
5.18	8.23	3.05	2.83	93	0.83	27	--	1H	4W	
8.23	11.28	3.05	2.28	75	0.26	9	--	2H	4W	
11.28	14.33	3.05	2.53	83	0.25	8	--	1H	4W	
14.33	17.37	3.04	2.46	81	0.45	15	--	2H	4W	
17.37	20.42	3.05	2.75	90	1.59	52	--	2H	3W	
20.42	23.47	3.05	2.94	96	1.66	54	--	1H	3W	
23.47	26.52	3.05	2.5	82	0.65	21	--	1H	3W	
26.52	29.57	3.05	2.54	83	0.86	28	--	1H	3W	
29.57	32.61	3.04	2.61	86	0.84	28	--	1H	3W	
32.61	35.66	3.05	2.81	92	0.85	28	--	1H	3W	
35.66	38.71	3.05	2.48	81	1.24	41	--	1H	2W	
38.71	41.76	3.05	2.9	95	1.23	40	--	2H	2W	
41.76	44.81	3.05	3.01	99	0.78	26	--	1H	2W	
44.81	47.85	3.04	3.01	99	1.50	49	--	2H	1W	
47.85	50.90	3.05	2.87	94	1.98	65	--	1H	1W	
50.90	53.95	3.05	2.75	90	1.07	35	--	3H	1W	
53.95	57.00	3.05	3.05	100	1.69	55	--	2H	1W	
57.00	60.05	3.05	2.9	95	2.38	78	--	2H	1W	
60.05	63.09	3.04	2.71	89	1.60	53	--	2H	1W	
63.09	66.14	3.05	2.85	93	1.62	53	--	2H	1W	
66.14	69.19	3.05	3.05	100	2.36	77	--	3H	1W	
69.19	72.24	3.05	3.05	100	2.05	67	--	3H	1W	
72.24	75.29	3.05	3.05	100	1.39	46	--	2H	1W	
75.29	78.33	3.04	3.04	100	1.33	44	--	3H	1W	
78.33	81.38	3.05	3.05	100	1.18	39	--	2H	1W	
81.38	84.43	3.05	3.05	100	1.81	59	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	2.24	73	--	4H	1W	
87.48	90.53	3.05	3.05	100	2.48	81	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.13	70	--	4H	1W	
93.57	96.62	3.05	3.01	99	0.43	14	--	3H	1W	
96.62	99.67	3.05	3.02	99	0.76	25	--	2H	2W	
99.67	102.72	3.05	2.9	95	0.10	3	--	2H	4W	
102.72	105.77	3.05	2.9	95	0.63	21	--	2H	2W	
105.77	108.81	3.04	3.04	100	2.34	77	--	2H	3W	
108.81	111.86	3.05	3.05	100	1.52	50	--	3H	1W	
111.86	114.91	3.05	3.05	100	1.24	41	--	3H	1W	
114.91	117.96	3.05	3	98	1.21	40	--	3H	1W	
117.96	121.01	3.05	3.03	99	0.67	22	--	3H	1W	
121.01	124.05	3.04	3.03	100	1.79	59	--	3H	1W	
124.05	127.10	3.05	3.05	100	1.43	47	--	3H	1W	
127.10	130.15	3.05	3.05	100	1.66	54	--	4H	1W	
130.15	133.20	3.05	3.02	99	1.48	49	--	3H	1W	
133.20	136.25	3.05	3	98	0.73	24	--	2H	1W	
136.25	139.29	3.04	3.04	100	1.76	58	--	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
5	36.5	OVB	
6	22.9	GRD	
7	17.9	GRD	
8	27.2	GRD	
9	0	GRD	to fractured
10	0	GRD	to fractured
11	11.2	GRD	
12	13.1	GRD	
13	7.74	GRD	
14	2.42	GRD	
15	0.212	GRD	
16	0.456	GRD	
17	6.77	GRD	
18	0.487	GRD	
19	0.052	GRD	
20	29.4	GRD	
21	30	GRD	
22	21.1	GRD	
23	0.752	GRD	
24	28.7	GRD	
25	33.9	GRD	
26	0	GRD	to fractured
27	15.7	GRD	
28	35.7	GRD	
29	30.1	GRD	
30	25.5	GRD	
31	0	GRD	to fractured
32	0	GRD	to fractured
33	0.687	GRD	
34	0.246	GRD	
35	0.372	GRD	
36	0	GRD	to fractured
37	0.256	QFP	
38	0.241	QFP	
39	0.223	QFP	
40	0.139	QFP	
41	0.181	QFP	
42	0.213	QFP	
43	0.202	QFP	
44	0.238	QFP	
45	0.293	GRD	
46	0.269	GRD	
47	13.5	GRD	
48	2.44	GRD	
49	10.6	GRD	
50	0.209	GRD	
51	0.358	GRD	
52	0.244	GRD	
53	0.202	QFP	
54	0.1	GRD	
55	0.231	GRD	
56	0.226	GRD	
57	0.222	GRD	
58	0.383	GRD	
59	0.383	GRD	
60	3.39	GRD	
61	0.478	GRD	
62	0.129	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
63	0.118	GRD	
64	0.119	GRD	
65	0.141	GRD	
66	0.513	GRD	
67	0.556	GRD	
68	0.462	GRD	
69	0.78	GRD	
70	0.435	GRD	
71	0.359	QFP	
72	0.336	GRD	
73	0.361	GRD	
74	0.383	GRD	
75	0.246	QFP	
76	0.307	QFP	
77	0.203	GRD	
78	0.36	GRD	
79	0.179	GRD	
80	0.271	GRD	
81	0.405	GRD	
82	0.179	GRD	
83	0.294	GRD	
84	22	GRD	
85	0.345	GRD	
86	28.8	GRD	
87	25.6	GRD	
88	31.4	GRD	
89	28.5	GRD	
90	35.1	GRD	
91	31.5	GRD	
92	25.3	GRD	
93	9.84	GRD	
94	26.5	GRD	
95	19.1	GRD	
96	11.9	GRD	
97	0.224	GRD	
98	4	GRD	
99	0.356	GRD	
100	5.9	FLR	
101	0	FLR	Too crumbly to measure
102	6.6	FLR	
103	36.9	GRD	
104	22.2	GRD	
105	0.687	GRD	
106	0.208	GRD	
107	0.179	GRD	
108	0.224	GRD	
109	0.286	GRD	
110	0.358	GRD	
111	0.284	GRD	
112	3.55	GRD	
113	7.99	GRD	
114	0.385	GRD	
115	0.269	GRD	
116	4.38	GRD	
117	19.6	GRD	
118	0.487	GRD	
119	0.397	GRD	
120	1.87	GRD	
121	3.22	GRD	
122	25	GRD	
123	30.9	GRD	
124	29.2	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
125	35.6	GRD	
126	39	GRD	
127	27.1	GRD	
128	32.5	GRD	
129	29.6	GRD	
130	38.8	GRD	
131	33.9	GRD	
132	30.8	GRD	
133	48.8	GRD	
134	2.99	GRD	
135	43.8	GRD	
136	36.8	GRD	
137	36.7	GRD	
138	33.7	GRD	
139	32.1	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290877	☐	16-049			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290891	☐	16-049		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290895	☐	16-049			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047565	☐	16-052		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047570	☐	16-052			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047577	☐	16-052			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047584	☐	16-052			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290872	☐	16-049		KL-STD1	☐	☐	☐
30.30	30.80	0.50	GRD	0.50	100	K290869	☐	16-049			☐	☐	☐
30.80	31.53	0.73	GRD	0.72	99	K290870	☐	16-049			☐	☐	☐
31.53	32.19	0.66	GRD	0.60	91	K290871	☐	16-049			☐	☐	☐
32.19	32.80	0.61	GRD	0.61	100	K290873	☐	16-049			☐	☐	☐
32.80	33.65	0.85	GRD	0.77	91	K290874	☐	16-049			☐	☐	☐
33.65	34.48	0.83	GRD	0.83	100	K290875	☐	16-049			☐	☐	☐
34.48	34.98	0.50	GRD	0.50	100	K290876	☐	16-049			☐	☐	☐
34.98	36.33	1.35	GRD	1.25	93	K290878	☐	16-049			☐	☐	☐
36.33	36.96	0.63	GRD	0.50	79	K290879	☐	16-049			☐	☐	☐
36.96	37.89	0.93	GRD, QFP	0.93	100	K290880	☐	16-049			☐	☐	☐
43.61	44.57	0.96	QFP	0.89	93	K290881	☐	16-049			☐	☐	☐
44.57	45.29	0.72	QFP	0.72	100	K290882	☐	16-049			☐	☐	☐
45.29	45.89	0.60	GRD	0.60	100	K290883	☐	16-049			☐	☐	☐
45.29	45.89	0.60	GRD	0.60	100	K290884	☐	16-049			☐	☑	☐
45.89	46.39	0.50	GRD	0.50	100	K290885	☐	16-049			☐	☐	☐
46.39	46.92	0.53	GRD	0.53	100	K290886	☐	16-049			☐	☐	☐
46.92	49.90	2.98	GRD	2.98	100	K290887	☐	16-049			☐	☐	☐
49.90	52.56	2.66	GRD	2.66	100	K290888	☐	16-049			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
52.56	53.06	0.50	QFP	0.50	100	K290889	☐	16-049			☐	☐	☐
53.06	53.82	0.76	QFP	0.76	100	K290890	☐	16-049			☐	☐	☐
53.82	55.15	1.33	QFP, GRD	1.33	100	K290892	☐	16-049			☐	☐	☐
55.15	55.97	0.82	GRD	0.82	100	K292760	☐	16-020	HG		☐	☐	☐
55.97	57.18	1.21	GRD	1.21	100	K290893	☐	16-049			☐	☐	☐
57.18	57.68	0.50	GRD	0.50	100	K290894	☐	16-049			☐	☐	☐
57.68	58.26	0.58	GRD	0.58	100	K290896	☐	16-049			☐	☐	☐
58.26	58.94	0.68	GRD	0.58	85	K290897	☐	16-049			☐	☐	☐
58.94	59.67	0.73	GRD	0.73	100	K290898	☐	16-049			☐	☐	☐
59.67	61.35	1.68	GRD	1.68	100	K290899	☐	16-049			☐	☐	☐
59.67	61.35	1.68	GRD	1.68	100	K290900	☐	16-049			☐	☐	☑
61.35	62.35	1.00	GRD	1.00	100	S047551	☐	16-049			☐	☐	☐
62.35	63.00	0.65	GRD	0.65	100	S047552	☐	16-049			☐	☐	☐
63.00	64.50	1.50	GRD	1.26	84	S047553	☐	16-049			☐	☐	☐
64.50	66.28	1.78	GRD	1.78	100	S047554	☐	16-049			☐	☐	☐
66.28	67.46	1.18	GRD	1.18	100	S047555	☐	16-052			☐	☐	☐
67.46	69.19	1.73	GRD	1.73	100	S047556	☐	16-052			☐	☐	☐
74.89	75.93	1.04	QFP	1.04	100	S047557	☐	16-052			☐	☐	☐
75.93	76.49	0.56	QFP	0.56	100	S047558	☐	16-052			☐	☐	☐
76.49	77.42	0.93	QFP	0.89	96	S047559	☐	16-052			☐	☐	☐
77.42	78.81	1.39	GRD	1.39	100	S047560	☐	16-052			☐	☐	☐
77.42	78.81	1.39	GRD	1.39	100	S047561	☐	16-052			☐	☑	☐
78.81	79.52	0.71	GRD	0.69	97	S047562	☐	16-052			☐	☐	☐
79.52	80.11	0.59	GRD	0.59	100	S047563	☐	16-052			☐	☐	☐
80.11	81.19	1.08	GRD	1.07	99	S047564	☐	16-052			☐	☐	☐
81.19	81.70	0.51	GRD	0.51	100	S047566	☐	16-052			☐	☐	☐
81.70	82.22	0.52	GRD	0.52	100	S047567	☐	16-052			☐	☐	☐
82.22	83.00	0.78	GRD	0.78	100	S047568	☐	16-052			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
83.00	83.51	0.51	GRD	0.51	100	S047569	☐	16-052			☐	☐	☐
83.51	85.07	1.56	GRD	1.56	100	S047571	☐	16-052			☐	☐	☐
85.07	85.60	0.53	GRD	0.53	100	S047572	☐	16-052			☐	☐	☐
85.60	87.08	1.48	GRD	1.48	100	S047573	☐	16-052			☐	☐	☐
95.49	96.47	0.98	GRD	0.98	100	S047574	☐	16-052			☐	☐	☐
96.47	97.00	0.53	GRD	0.53	100	S047575	☐	16-052			☐	☐	☐
97.00	97.54	0.54	GRD	0.54	100	S047576	☐	16-052			☐	☐	☐
97.54	98.14	0.60	GRD	0.60	100	S047578	☐	16-052			☐	☐	☐
98.14	99.67	1.53	GRD	1.52	99	S047579	☐	16-052			☐	☐	☐
99.67	100.43	0.76	FLR, GRD	0.72	95	S047580	☐	16-052			☐	☐	☐
100.43	102.72	2.29	FLR	2.29	100	S047581	☐	16-052			☐	☐	☐
102.72	105.49	2.77	GRD	2.77	100	S047582	☐	16-052			☐	☐	☐
105.49	107.31	1.82	GRD	1.77	97	S047583	☐	16-052			☐	☐	☐
107.31	107.81	0.50	GRD	0.50	100	S047585	☐	16-052			☐	☐	☐
107.81	108.81	1.00	GRD	1.00	100	S047586	☐	16-052			☐	☐	☐
107.81	108.81	1.00	GRD	1.00	100	S047587	☐	16-052			☐	☐	☑
108.81	109.33	0.52	GRD	0.52	100	S047588	☐	16-052			☐	☐	☐
109.33	110.68	1.35	GRD	1.35	100	S047589	☐	16-052			☐	☐	☐
110.68	111.18	0.50	GRD	0.50	100	S047590	☐	16-052			☐	☐	☐
111.18	111.86	0.68	GRD	0.68	100	S047591	☐	16-054			☐	☐	☐
111.86	112.85	0.99	GRD	0.99	100	S047592	☐	16-054			☐	☐	☐

KL-16-312
Central Klaza

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	30.30			☐	☐	☐	☐	
16-049	K290872	0.00	0.00	4.42	1330	☐	☐	☐	☑ KL-STD1	
16-049	K290877	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-049	K290891	0.00	0.00	0.35	830	☐	☐	☐	☑ KL-STD4	
16-049	K290895	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-052	S047565	0.00	0.00	0.91	400	☐	☐	☐	☑ KL-STD5	
16-052	S047570	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-052	S047577	0.00	0.00	4.33	150	☐	☐	☑	☐	
16-052	S047584	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-049	K290869	30.30	30.80	0.00	2660	☐	☐	☐	☐	
16-049	K290870	30.80	31.53	0.00	2770	☐	☐	☐	☐	
16-049	K290871	31.53	32.19	0.00	2450	☐	☐	☐	☐	
16-049	K290873	32.19	32.80	0.23	770	☐	☐	☐	☐	
16-049	K290874	32.80	33.65	0.01	2280	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-049	K290875	33.65	34.48	0.08	1570	☐	☐	☐	☐	
16-049	K290876	34.48	34.98	0.88	1420	☐	☐	☐	☐	
16-049	K290878	34.98	36.33	0.05	1170	☐	☐	☐	☐	
16-049	K290879	36.33	36.96	0.05	1830	☐	☐	☐	☐	
16-049	K290880	36.96	37.89	0.00	990	☐	☐	☐	☐	
		37.89	43.61			☐	☐	☐	☐	
16-049	K290881	43.61	44.57	0.00	2210	☐	☐	☐	☐	
16-049	K290882	44.57	45.29	0.01	1970	☐	☐	☐	☐	
16-049	K290883	45.29	45.89	0.01	1510	☐	☐	☐	☐	
16-049	K290884	45.29	45.89	0.01	1370	☑	☐	☐	☐	
16-049	K290885	45.89	46.39	0.04	1100	☐	☐	☐	☐	
16-049	K290886	46.39	46.92	0.00	2090	☐	☐	☐	☐	
16-049	K290887	46.92	49.90	0.00	2220	☐	☐	☐	☐	
16-049	K290888	49.90	52.56	0.01	1350	☐	☐	☐	☐	
16-049	K290889	52.56	53.06	0.12	950	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-049	K290890	53.06	53.82	0.09	840	☐	☐	☐	☐	
16-049	K290892	53.82	55.15	0.07	760	☐	☐	☐	☐	
16-020	K292760	55.15	55.97	6.40	540	☐	☐	☐	☐	
16-049	K290893	55.97	57.18	1.74	1180	☐	☐	☐	☐	
16-049	K290894	57.18	57.68	0.56	1370	☐	☐	☐	☐	
16-049	K290896	57.68	58.26	0.00	480	☐	☐	☐	☐	
16-049	K290897	58.26	58.94	0.14	1130	☐	☐	☐	☐	
16-049	K290898	58.94	59.67	0.00	1340	☐	☐	☐	☐	
16-049	K290899	59.67	61.35	0.00	1620	☐	☐	☐	☐	
16-049	K290900	59.67	61.35	0.00	1640	☐	☑	☐	☐	
16-049	S047551	61.35	62.35	0.77	480	☐	☐	☐	☐	
16-049	S047552	62.35	63.00	0.07	500	☐	☐	☐	☐	
16-049	S047553	63.00	64.50	0.11	890	☐	☐	☐	☐	
16-049	S047554	64.50	66.28	0.02	1590	☐	☐	☐	☐	
16-052	S047555	66.28	67.46	0.12	1580	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-052	S047556	67.46	69.19	0.01	2540	☐	☐	☐	☐	
		69.19	74.89			☐	☐	☐	☐	
16-052	S047557	74.89	75.93	0.07	1520	☐	☐	☐	☐	
16-052	S047558	75.93	76.49	0.03	1400	☐	☐	☐	☐	
16-052	S047559	76.49	77.42	0.06	660	☐	☐	☐	☐	
16-052	S047560	77.42	78.81	0.13	650	☐	☐	☐	☐	
16-052	S047561	77.42	78.81	0.12	900	☑	☐	☐	☐	
16-052	S047562	78.81	79.52	0.31	400	☐	☐	☐	☐	
16-052	S047563	79.52	80.11	5.47	910	☐	☐	☐	☐	
16-052	S047564	80.11	81.19	0.48	610	☐	☐	☐	☐	
16-052	S047566	81.19	81.70	0.02	820	☐	☐	☐	☐	
16-052	S047567	81.70	82.22	0.33	800	☐	☐	☐	☐	
16-052	S047568	82.22	83.00	7.18	370	☐	☐	☐	☐	
16-052	S047569	83.00	83.51	0.09	1210	☐	☐	☐	☐	
16-052	S047571	83.51	85.07	0.02	2300	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-052	S047572	85.07	85.60	0.57	1040	☐	☐	☐	☐	
16-052	S047573	85.60	87.08	0.00	2380	☐	☐	☐	☐	
		87.08	95.49			☐	☐	☐	☐	
16-052	S047574	95.49	96.47	0.09	1750	☐	☐	☐	☐	
16-052	S047575	96.47	97.00	0.88	1080	☐	☐	☐	☐	
16-052	S047576	97.00	97.54	2.61	140	☐	☐	☐	☐	
16-052	S047578	97.54	98.14	0.01	2100	☐	☐	☐	☐	
16-052	S047579	98.14	99.67	2.93	390	☐	☐	☐	☐	
16-052	S047580	99.67	100.43	0.04	1840	☐	☐	☐	☐	
16-052	S047581	100.43	102.72	0.01	2110	☐	☐	☐	☐	
16-052	S047582	102.72	105.49	0.02	2010	☐	☐	☐	☐	
16-052	S047583	105.49	107.31	1.50	210	☐	☐	☐	☐	
16-052	S047585	107.31	107.81	0.47	640	☐	☐	☐	☐	
16-052	S047586	107.81	108.81	0.17	790	☐	☐	☐	☐	
16-052	S047587	107.81	108.81	0.11	890	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-052	S047588	108.81	109.33	0.00	1570	☐	☐	☐	☐	
16-052	S047589	109.33	110.68	0.20	2010	☐	☐	☐	☐	
16-052	S047590	110.68	111.18	0.39	250	☐	☐	☐	☐	
16-054	S047591	111.18	111.86	0.02	1830	☐	☐	☐	☐	
16-054	S047592	111.86	112.85	0.01	2460	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
18.71	19.17	VN	37	55	NUL	1	Highly silicified and quartz flooded zone of argillic altered granodiorite. Zone is moderately oxidized, with sporadic weak gouge alteration. Minor goethite present.			
								Go	1	DI
32.25	32.61	VN	37	15	NUL	1	1-3cm shallow carbonate vein. Vein crosscuts phyllic granodiorite. Displays very vuggy texture along the length of the vein, which displays moderate to strong oxidation within. This vein increases in width to 3cm along the lower selvedge of the vein, and hosts disseminated to blebby pyrite, and galena throughout.			
								Gn	2	BL
								Py	8	DI
34.70	34.72	VN	37	85	NUL	1	2cm Smokey quartz vein crosscutting silicified and quartz flooded phyllic granodiorite. Vein hosts disseminated pyrite, aresenopyrite, and honey brown sphalerite.			
								Sp	3	DI
								Py	4	DI
								As	3	DI
34.74	34.86	VN	37	50	NUL	2	12cm quartz flooded phyllic granodiorite zone hosting a flooded quartz carbonate vein . Vein is spatially disseminated, and hosts blebby pyrite, honey brown to black sphalerite, and galena.			
								Sp	5	BL
								Gn	4	BL
								Py	9	BL
36.47	36.68	VN	37	10	NUL	1	Shallow dipping 1cm gouge altered vein carrying disseminated pyrite.			
44.58	44.62	VN	37	70	NUL	1	4cm Quartz vein found along lower selvedge of quartz feldspar porphyry dyke contact. Vein hosts disseminated pyrite, and galena.			
								Gn	0.1	DI
								Py	1	DI
46.08	46.15	VN	37	85	NUL	1	7cm Banded quartz/smokey quartz/carbonate vein crosscutting phyllic altered granodiorite. Vein hosts disseminated pyrite, and sphalerite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	DI
								Sp	0.5	DI
52.66	52.84	BX	34	65	NUL	1	8cm Black breccia found crosscutting brown quartz feldspar porphyry dyke. Breccia has carbonate veinlets along both selvedges of the black breccia. Hosts clasts of pyrite mineralized quartz, carboante, and phyllic grandiorite. Blebby sphalerite found along carbonate veins of upper breccia selvedge.			
								Py	1	DI
								Sp	2	BL
53.43	53.57	BX	34	70	NUL	1	14cm Black breccia crosscutting brown quartz feldspar porphyry dyke. Carries clasts of carbonate, quartz, argillic/propylitic granodiorite, and disseminated pyrite.			
								Py	1	DI
55.37	55.52	BV		80	NUL	1	4.5cm Black breccia crosscutting argillic/phyllic granodiorite. Black breccia is distal to 9cm of brecciated quartz veining, which hosts blebby zoned honey brown sphalerite, pyrite. Quartz vein on upper selvedge of black breccia found hosting blebby sphalerite, and dissemianted pyrite and galena.			
								Gn	1	DI
								Py	3	DI
								Sp	6	BL
55.45	55.72	BV		-	NUL	1	5cm black breccia carrying quartz, carbonate, and granodiorite clasts. Breccia is found along the upper selvedge of a flooded quartz zone that carries an 11cm smokey quarz vein. Vein hosts disseminated pyrite.			
								Py	3	DI
55.76	55.79	VN	37	65	NUL	1	4cm quartz vein hosting blebby galena, honey brown sphalerite, and pyrite.			
								Sp	20	BL
								Gn	20	BL
								Py	7	BL
55.85	55.91	VN	37	50	NUL	1	6cm quartz vein crosscutting gouge altered phylolic granodiorite. Vein hosts semi massive blebby galena, blebby honey brown and blackjack sphalerite, and blebby pyrite. Found alongside gouge altered granodiorite along upper selvedge. \			
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	18	BL
								Gn	45	BL
57.23	57.34	BX	34	70	NUL	1	12cm Black breccia crosscutting argillic/propylitic altered granodiorite. Breccia hosts clasts of quartz, carbonate clasts, propylitic granodiorite, chlorite, and blebby pyrite ranging from sand to cobble.			
								Py	3	BL
57.38	57.55	BX	34	85	NUL	1	17cm Black breccia crosscutting argillic/propylitic altered granodiorite. Breccia hosts sand to large cobble size clasts of propylitic granodiorite, carbonate, blebby pyrite, and minor sphalerite.			
								Sp	0.5	BL
								Py	2	BL
61.38	61.42	BX	34	40	NUL	1	4cm Black breccia found in phyllic altered granodiorite. Breccia carries clasts of quartz, disseminated pyrite, and propylitic/phyllic granodiorite. Clast size ranges between sand and pebble.			
								Py	0.5	DI
61.64	61.69	BX	34	40	NUL	1	5cm Black brecia hosting clasts of host granodiorite, disseminated to blebby pyrite, and quartz. Finer grained.			
								Py	0.1	BL
								Py	1	DI
76.69	76.80	VN	37	35	NUL	1	5cm quartz/smokey quartz vein hosting dissemiated to blebby pyrite, as well as minor disseminated galena and sphalerite.			
								Py	10	BL
								Sp	0.1	DI
								Gn	0.1	DI
78.57	79.64	VB	37	70	NUL	3	Zone of three smokey quartz/black breccia veins (~2.5cm) found within argillic/trace phyllic altered granodiorite. Veins host disseminated pyrite.			
								Py	0.1	DI
79.78	79.99	VN	37	80	NUL	1	Smokey quartz/quartz vein displaying weak to moderate gouge alteration. Vein hosts dissemiated to blebby pyrite.			
								Py	6	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
81.74	82.95	VB	37	80	NUL	4	Argillic/phyllic granodiorite zone carrying 4 black breccia veins. Breccia's range in size from 6-20cm (smallest 6cm, the rest are between 13-21cm). Breccia zones display sporadic weak gouge alteration, and carry sand to cobble sized clasts of quartz, sphalerite, pyrite, granodiorite, carbonate, and chlorite.			
								Py	1	DI
								Sp	1	BL
82.42	82.56	VN	37	-	NUL	1	14cm quartz vein hosting massive blebby pyrite, blebby honey brown to black sphalerite, blebby galena, and possible disseminated arsenopyrite (difficult to distinguish within massive pyrite). Vein is nearly perpendicular (between 85-90*TCA).			
								As	1	DI
								Sp	7	BL
								Gn	3	BL
								Py	70	MA
97.05	97.29	VN	37	80	NUL	1	23cm fractured and rubbly quartz vein found within argillic/phyllic altered granodiorite. Vein hosts disseminated semi-massive blebby pyrite, blebby galena, blebby sphalerite, and disseminated to blebby arsenopyrite. Structure count is difficult to determine due to highly fractured nature of vein (possibly 2).			
								Sp	8	BL
								As	6	BL
								Gn	3	BL
								Py	35	BL
106.15	106.41	BX	34	-	NUL	1	Weakly gouge altered, moderately oxidized argillic phyllic granodiorite. Granodiorite displays quartz brecciation throughout, carrying smokey quartz and carbonate clasts up to large cobble size. Zone hosts disseminated pyrite throughout.			
								Py	2	DI
106.60	107.18	VN	37	60	NUL	8	Oxidized and rubbly zone of phyllic argillic granodiorite carrying a smokey quartz vein zone. Zone hosts 8 smokey quartz veins. Veins host disseminated pyrite and arsenopyrite.			
								Py	4	DI
								As	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
110.77	110.84	VN	37	55	NUL	1	7cm banded quartz/carbonate vein. Smokey quartz envelopes carbonate veining that is brecciating quartz. 6cm sinistral displacement occurs along a 15*TCA joint. Vein zone hosts blebby pyrite, and disseminated honey brown sphalerite and galena.			
								Sp	2	DI
								Gn	1	DI
								Py	8	BL
119.58	119.67	VN	37	70	NUL	1	9cm banded smoky quartz carbonate vein found within argillic/phyllic altered granodiorite. Hosts disseminated pyrite.			
								Py	3	DI
125.81	125.86	VN	37	50	NUL	1	5cm Smokey quartz vein being brecciated by black breccia. Carbonate veining found along upper and lower selvedge of vein. Vein hosts disseminated to blebby pyrite.			
								Py	1	BL
								Py	1	DI
125.92	125.94	VN	37	85	NUL	1	1.5 smokey quartz/carbonate vein hosting disseminated blebby pyrite			
								Py	2	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383085	6890119	1352.33	149.96

ZONE: Central Klaza

SECTION:

HOLE: KL-16-313

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth:

Drilling Dates: Jul 14 - Jul 15, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.8	29	-50	Reflex
149.96	35	-50	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.8	4.8	OVB
4.8	31	26.2	GRD
31	48.02	17.02	GRD
48.02	54.76	6.74	GRD
54.76	64.47	9.71	GRD
64.47	69.09	4.62	GRD
69.09	70.68	1.59	GRD
70.68	80.72	10.04	QFP
80.72	87.9	7.18	GRD
87.9	92.67	4.77	GRD
92.67	94.33	1.66	QFP
94.33	98.15	3.82	GRD
98.15	102.47	4.32	QFP
102.47	105.72	3.25	GRD
105.72	149.96	44.24	GRD

SAMPLES	
Numbers:	S047374 to S047444
Total:	71
Batch:	048, 050, 051
Certificates:	VA16121838, VA16121839, VA16121840

COMMENTS

Box Log

KL-16-313

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0.34	6.71
2	6.71	11.44
3	11.44	15.57
4	15.57	19.22
5	19.22	23.71
6	23.71	28.04
7	28.04	32.06
8	32.06	36.15
9	36.15	40.23
10	40.23	44.27
11	44.27	48.64
12	48.64	52.65
13	52.65	56.72
14	56.72	60.79
15	60.79	65.06
16	65.06	69.3
17	69.3	73.27
18	73.27	77.01
19	77.01	82.68
20	82.68	88.16
21	88.16	93.51
22	93.51	98.87
23	98.87	104.38
24	104.38	110.19
25	110.19	115.67
26	115.67	121.28
27	121.28	126.76
28	126.76	131.67
29	131.67	137.13
30	137.13	142.16
31	142.16	147.54
32	147.54	149.96

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-313									
	35.19	10.5	NQ2	GRD	596.4	383	2.67	2.8	Grey to dark grey quartz vein with interstitial tan ankerite. Hosts disseminated to blebby pyrite, sphalerite and galena.
	47.55	10	NQ2	GRD	722	520.5	3.4	3.6	
	58.92	15.5	NQ2	GRD	850.3	539.3	2.58	2.7	Large black breccia hosting disseminated to blebby pyrite.
	132.14	9.5	NQ2	GRD	608.5	404.8	3.02	3.0	

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.80	31.00	26.20	GRD	MG	Alternating patches of unaltered granodiorite, phyllic and argillic altered granodiorite. Moderate oxidation along fracture surfaces with pervasive oxidation in altered zones. Patches of argillic alteration a crumbly and less competent then the rest of the core.							
						MD	GY	RB	OXI	3I		
						MD	OR	PA	PHC	3I		
						LT	WH		ARG	3I		
						LT	GN					
31.00	48.02	17.02	GRD	MG	Moderately phyllic altered granodiorite with moderate -oxidation along fracture surfaces. Hosts multiple polymetallic quartz/carbonate/sulphide veins.							
						MD	OR		OXI	3I		
						LT	GN		PHC	3I		
48.02	54.76	6.74	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN					
54.76	64.47	9.71	GRD	MG	Moderately phyllic altered granodiorite with patchy moderate propyllitic and moderate argillic alteration. Hosts multiple black breccias.							
						MD	GY		PRO	3I		
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	3I		
						DK	GN					
64.47	69.09	4.62	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK					
						DK	GN		POT	1I		
69.09	70.68	1.59	GRD	MG	Upper alteration halo at dyke contact. Moderate phyllic altered granodiorite minor quartz/sulphide veining proximal to dyke contact.							
						MD	GN					
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
70.68	80.72	10.04	QFP	FG	Fractured and rubbly light tan quartz feldspar porphyry dyke.							
						LT	TN	FR				
								RB				
80.72	87.90	7.18	GRD	MG	Lower alteration halo at dyke contact. Moderately phyllic altered granodiorite with patchy argillic/potassic alteration.							
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	3I		
									POT	2I		
87.90	92.67	4.77	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Weak oxidation along some fracture surfaces.							
						MD	PK		POT	2I		
						MD	GY					
						DK	GN		PRO	2I		
92.67	94.33	1.66	QFP	FG	Medium grey quartz feldspar porphyry dyke.							
						MD	GY					
94.33	98.15	3.82	GRD	MG	Patchy weakly propyllitic and potassic alteration and weak to moderate phyllic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						LT	GN		PHC	3I		
						DK	GN		PHC	2I		
									OXI	2I		
98.15	102.47	4.32	QFP	FG	Light tan quartz feldspar porphyry dyke.							
						LT	TN	PO				
102.47	105.72	3.25	GRD	MG	Lower phyllic/propyllitic alteration halo at dyke contact.							
						MD	GN		PRO	2I		
						LT	GN		PHC	2I		
									PRO	3I		
									PHC	3I		
105.72	110.60	4.88	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	2I		
						LT	GN					
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
110.60	113.23	2.63	GRD	MG	Moderate phyllic envelope hosting multiple quartz/carbonate/sulphide veins. Strong phyllic alteration proximal to veining hosts disseminated pyrite.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
113.23	122.69	9.46	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	2I		
						LT	GN					
						DK	GN		PRO	2I		
122.69	125.21	2.52	GRD	MG	Weak to moderate phyllic/propyllitic alteration hosting minor quartz/pyrite veining.							
						MD	GN		PHC	3I		
						LT	GN	EN	PHC	2I		
									PRO	2I		
									PRO	3I		
125.21	131.61	6.40	GRD	MG	Weakly propyllitic and potassic altered granodiorite.							
						MD	GY					
						LT	GN					
						DK	GN					
131.61	135.43	3.82	GRD	MG	Multiple moderate phyllic envelopes around quartz/carbonate/sulphide veining. Envelopes are separated by small patches of weakly propyllitic and potassic altered granodiorite.							
						MD	GN		PRO	2I		
						MD	GY					
						LT	GN	EN	PHC	3I		
						DK	GN		POT	2I		
135.43	149.96	14.53	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						MD	GY		PRO	1I		
						LT	PK		POT	1I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.80	31.00	26.20	GRD	MG	Alternating patches of unaltered granodiorite, phyllic and argillic altered granodiorite. Moderate oxidation along fracture surfaces with pervasive oxidation in altered zones. Patches of argillic alteration a crumbly and less competent then the rest of the core.							
						MD	GY	RB	OXI	3I		
						MD	OR	PA	PHC	3I		
						LT	WH		ARG	3I		
						LT	GN					
31.00	48.02	17.02	GRD	MG	Moderately phyllic altered granodiorite with moderate -oxidation along fracture surfaces. Hosts multiple polymetallic quartz/carbonate/sulphide veins.							
						LT	GN		PHC	3I		
						MD	OR		OXI	3I		
48.02	54.76	6.74	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						DK	GN					
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
54.76	64.47	9.71	GRD	MG	Moderately phyllic altered granodiorite with patchy moderate propyllitic and moderate argillic alteration. Hosts multiple black breccias.							
						MD	GY		PRO	3I		
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	3I		
						DK	GN					
64.47	69.09	4.62	GRD	MG	Trace propyllitic and potassic altered granodiorite.							
						MD	PK					
						DK	GN		POT	1I		
						MD	GY		PRO	1I		
69.09	70.68	1.59	GRD	MG	Upper alteration halo at dyke contact. Moderate phyllic altered granodiorite minor quartz/sulphide veining proximal to dyke contact.							
						LT	GN		PHC	3I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
70.68	80.72	10.04	QFP	FG	Fractured and rubbly light tan quartz feldspar porphyry dyke.							
								RB				
						LT	TN	FR				
80.72	87.90	7.18	GRD	MG	Lower alteration halo at dyke contact. Moderately phyllic altered granodiorite with patchy argillic/potassic alteration.							
						LT	WH		ARG	3I		
									POT	2I		
						LT	GN	PA	PHC	3I		
87.90	92.67	4.77	GRD	MG	Weakly propyllitic and potassic altered granodiorite. Weak oxidation along some fracture surfaces.							
						MD	GY					
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
92.67	94.33	1.66	QFP	FG	Medium grey quartz feldspar porphyry dyke.							
						MD	GY					
94.33	98.15	3.82	GRD	MG	Patchy weakly propyllitic and potassic alteration and weak to moderate phyllic alteration. Moderate oxidation along fracture surfaces.							
						LT	GN		PHC	3I		
									OXI	2I		
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PHC	2I		
98.15	102.47	4.32	QFP	FG	Light tan quartz feldspar porphyry dyke.							
						LT	TN	PO				
102.47	105.72	3.25	GRD	MG	Lower phyllic/propyllitic alteration halo at dyke contact.							
						LT	GN		PHC	2I		
									PHC	3I		
						MD	GN		PRO	2I		
									PRO	3I		
105.72	149.96	44.24	GRD	MG	Weakly propyllitic and potassic altered granodiorite with multiple phyllic envelopes surrounding quartz/carbonate/sulphide veins.							
						DK	GN		POT	2I		
						MD	GY		PRO	2I		
						LT	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	0.61	0.61	0	0	0.00	0	--	--	--	Cased
0.61	3.66	3.05	1.32	43	0.00	0	--	1H	5W	Overburden
3.66	6.71	3.05	2.63	86	0.00	0	--	1H	5W	Overburden
6.71	9.75	3.04	2.81	92	0.21	7	--	1H	5W	
9.75	12.80	3.05	2.75	90	0.81	27	--	2H	4W	
12.80	15.85	3.05	3	98	1.47	48	--	3H	3W	
15.85	18.90	3.05	3.01	99	0.86	28	--	2H	3W	
18.90	21.95	3.05	2.61	86	0.00	0	--	1H	4W	
21.95	25.00	3.05	3.05	100	1.16	38	--	2H	3W	
25.00	28.04	3.04	2.91	96	1.74	57	--	3H	2W	
28.04	31.09	3.05	3.02	99	2.01	66	--	2H	2W	
31.09	34.14	3.05	3.03	99	1.36	45	--	3H	4W	
34.14	37.19	3.05	3.03	99	1.55	51	--	3H	4W	
37.19	40.23	3.04	3.04	100	0.34	11	--	3H	4W	
40.23	43.28	3.05	3.05	100	0.97	32	--	2H	3W	
43.28	46.33	3.05	3.05	100	1.93	63	--	3H	2W	
46.33	49.38	3.05	2.93	96	2.03	67	--	3H	1W	
49.38	52.43	3.05	2.95	97	1.86	61	--	3H	1W	
52.43	55.47	3.04	3.04	100	1.88	62	--	3H	1W	
55.47	58.52	3.05	3.05	100	1.20	39	--	2H	1W	
58.52	61.57	3.05	3.05	100	1.61	53	--	2H	1W	
61.57	64.62	3.05	3.02	99	1.33	44	--	3H	1W	
64.62	67.67	3.05	3.05	100	2.09	69	--	3H	1W	
67.67	70.71	3.04	3.04	100	2.27	75	--	3H	1W	
70.71	73.76	3.05	3.05	100	0.96	31	--	3H	1W	
73.76	76.81	3.05	3.05	100	0.21	7	--	1H	1W	Gouge
76.81	79.86	3.05	3.05	100	1.69	55	--	3H	1W	
79.86	82.91	3.05	3.02	99	2.12	70	--	3H	1W	
82.91	85.95	3.04	3.04	100	2.02	66	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
85.95	89.00	3.05	2.96	97	1.86	61	--	2H	1W	
89.00	92.05	3.05	3.03	99	2.26	74	--	3H	1W	
92.05	95.10	3.05	3.02	99	1.64	54	--	3H	1W	
95.10	98.15	3.05	3.05	100	1.40	46	--	3H	1W	
98.15	101.19	3.04	3.03	100	2.20	72	--	3H	1W	
101.19	104.24	3.05	3.05	100	1.25	41	--	3H	1W	
104.24	107.29	3.05	3.05	100	1.86	61	--	3H	1W	
107.29	110.34	3.05	3.05	100	1.60	52	--	3H	1W	
110.34	113.39	3.05	3.05	100	1.93	63	--	3H	1W	
113.39	116.43	3.04	3.04	100	2.24	74	--	3H	1W	
116.43	119.48	3.05	3.04	100	2.03	67	--	4H	1W	
119.48	122.53	3.05	2.94	96	1.63	53	--	4H	1W	
122.53	125.58	3.05	3.05	100	0.87	29	--	3H	1W	
125.58	128.63	3.05	3.05	100	0.95	31	--	3H	1W	
128.63	131.67	3.04	3.04	100	1.51	50	--	3H	1W	
131.67	134.72	3.05	3.04	100	1.25	41	--	3H	1W	
134.72	137.77	3.05	2.84	93	1.88	62	--	3H	1W	
137.77	140.82	3.05	2.94	96	0.58	19	--	2H	1W	
140.82	143.87	3.05	3.03	99	0.49	16	--	3H	1W	
143.87	146.91	3.04	3.04	100	0.69	23	--	3H	1W	
146.91	149.96	3.05	3.05	100	2.76	90	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	Cased
2	0	OVB	Cased
3	0	OVB	Cased
4	0	OVB	Cased
5	16.93	GRD	
6	0.465	GRD	
7	16.15	GRD	
8	17.5	GRD	
9	0.465	GRD	
10	13.56	GRD	
11	0.679	GRD	
12	5.126	GRD	
13	1.245	GRD	
14	1.063	GRD	
15	45.67	GRD	
16	0.562	GRD	
17	26.56	GRD	
18	24	GRD	
19	25.52	GRD	
20	27.62	GRD	
21	20.02	GRD	
22	38.18	GRD	
23	1.716	GRD	
24	32.58	GRD	
25	2.027	GRD	
26	0.47	GRD	
27	55.4	GRD	
28	16.02	GRD	
29	24.95	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	8.31	GRD	
31	0.821	GRD	
31	0.821	GRD	
32	0.374	GRD	
33	0.843	GRD	
34	0.95	GRD	
35	0.347	GRD	
36	0.7	GRD	
37	18.43	GRD	
38	23.11	GRD	
39	22.9	GRD	
40	0.868	GRD	
41	0.272	GRD	
42	0.462	GRD	
43	0.398	GRD	
44	0.565	GRD	
45	0.286	GRD	
46	0.425	GRD	
47	0.153	GRD	
48	16.27	GRD	
49	6.232	GRD	
50	27.13	GRD	
51	26.92	GRD	
52	32.47	GRD	
53	34.91	GRD	
54	22.67	GRD	
55	0.636	GRD	
56	7.22	GRD	
57	17.73	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.525	GRD	
59	0.249	GRD	
60	0.162	GRD	
61	0.905	GRD	
62	5.335	GRD	
63	1.252	GRD	
64	0.276	GRD	
65	25.61	GRD	
66	20.61	GRD	
67	14.45	GRD	
68	7.601	GRD	
69	0.391	GRD	
70	0.327	GRD	
71	0.255	QFP	
72	0.192	QFP	
73	0.178	QFP	
74	0.202	QFP	
75	0.203	QFP	
76	0.248	QFP	
77	0.252	QFP	
78	0.214	QFP	
79	0.236	QFP	
80	0.196	QFP	
81	0.314	GRD	
82	0.128	GRD	
83	0.258	GRD	
84	0.237	GRD	
85	0.356	GRD	
86	1.033	GRD	
87	0.257	GRD	
88	11.38	GRD	
89	25.13	GRD	
90	31.83	GRD	
91	1.935	GRD	
92	0.286	GRD	
93	0.376	QFP	
94	0.371	QFP	
95	13.8	GRD	
96	5.917	GRD	
97	0.386	GRD	
98	0.321	GRD	
99	0.296	QFP	
100	0.238	QFP	
101	0.233	QFP	
102	0.291	QFP	
103	0.239	GRD	
104	0.3	GRD	
105	0.405	GRD	
106	15.44	GRD	
107	5.578	GRD	
108	0.798	GRD	
109	1.005	GRD	
110	23.29	GRD	
111	0.039	GRD	
112	0.189	GRD	
113	1.695	GRD	
114	30.05	GRD	
115	18.97	GRD	
116	0.65	GRD	
117	44	GRD	
118	41.91	GRD	
119	15.42	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	42.2	GRD	
121	45.03	GRD	
122	36.74	GRD	
123	1.141	GRD	
124	0.35	GRD	
125	0.794	GRD	
126	16.49	GRD	
127	4.308	GRD	
128	14.09	GRD	
129	1.404	GRD	
130	0.328	GRD	
131	44.59	GRD	
132	0.318	GRD	
133	5.708	GRD	
134	8.967	GRD	
135	10.28	GRD	
136	16.29	GRD	
137	42.69	GRD	
138	0.45	GRD	
139	42.11	GRD	
140	35	GRD	
141	0.696	GRD	
142	4.729	GRD	
143	18.74	GRD	
144	0.515	GRD	
145	5.725	GRD	
146	0.23	GRD	
147	0.603	GRD	
148	43.95	GRD	
149	45.72	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047431	☐	16-051			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047381	☐	16-048		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047395	☐	16-050			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047404	☐	16-050		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047411	☐	16-050			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047415	☐	16-050		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047428	☐	16-051		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047377	☐	16-048			☑	☐	☐
33.69	34.31	0.62	GRD	0.62	100	S047374	☐	16-048			☐	☐	☐
34.31	34.89	0.58	GRD	0.58	100	S047375	☐	16-048			☐	☐	☐
34.89	35.44	0.55	GRD	0.55	100	S047376	☐	16-048			☐	☐	☐
35.44	36.08	0.64	GRD	0.64	100	S047378	☐	16-048			☐	☐	☐
36.08	37.19	1.11	GRD	0.97	87	S047379	☐	16-048			☐	☐	☐
37.19	40.23	3.04	GRD	2.82	93	S047380	☐	16-048			☐	☐	☐
40.23	41.20	0.97	GRD	0.97	100	S047382	☐	16-048			☐	☐	☐
41.20	42.08	0.88	GRD	0.88	100	S047383	☐	16-048			☐	☐	☐
42.08	43.28	1.20	GRD	1.20	100	S047384	☐	16-048			☐	☐	☐
42.08	43.28	1.20	GRD	1.20	100	S047385	☐	16-048			☐	☑	☐
43.28	44.97	1.69	GRD	1.59	94	S047386	☐	16-048			☐	☐	☐
44.97	45.95	0.98	GRD	0.98	100	S047387	☐	16-048			☐	☐	☐
45.95	47.00	1.05	GRD	1.05	100	S047388	☐	16-050			☐	☐	☐
47.00	47.60	0.60	GRD	0.60	100	S047389	☐	16-050			☐	☐	☐
47.60	48.12	0.52	GRD	0.52	100	S047390	☐	16-050			☐	☐	☐
48.12	48.92	0.80	GRD	0.80	100	S047391	☐	16-050			☐	☐	☐
57.03	57.62	0.59	GRD	0.59	100	S047392	☐	16-050			☐	☐	☐
57.62	58.18	0.56	GRD	0.56	100	S047393	☐	16-050			☐	☐	☐
58.18	59.43	1.25	GRD	1.25	100	S047394	☐	16-050			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
59.43	59.93	0.50	GRD	0.50	100	S047396	☐	16-050			☐	☐	☐
59.93	60.48	0.55	GRD	0.55	100	S047397	☐	16-050			☐	☐	☐
69.06	69.62	0.56	GRD	0.56	100	S047398	☐	16-050			☐	☐	☐
69.62	70.19	0.57	GRD	0.56	98	S047399	☐	16-050			☐	☐	☐
69.62	70.19	0.57	GRD	0.56	98	S047400	☐	16-050			☐	☑	☐
70.19	70.71	0.52	GRD	0.51	98	S047401	☐	16-050			☐	☐	☐
70.71	71.24	0.53	QFP	0.53	100	S047402	☐	16-050			☐	☐	☐
71.24	71.89	0.65	QFP	0.55	85	S047403	☐	16-050			☐	☐	☐
81.77	82.68	0.91	GRD	0.90	99	S047405	☐	16-050			☐	☐	☐
82.68	83.36	0.68	GRD	0.67	99	S047406	☐	16-050			☐	☐	☐
83.36	84.19	0.83	GRD	0.82	99	S047407	☐	16-050			☐	☐	☐
84.19	84.84	0.65	GRD	0.65	100	S047408	☐	16-050			☐	☐	☐
84.84	85.95	1.11	GRD	1.10	99	S047409	☐	16-050			☐	☐	☐
85.95	86.71	0.76	GRD	0.76	100	S047410	☐	16-050			☐	☐	☐
86.71	87.27	0.56	GRD	0.56	100	S047412	☐	16-050			☐	☐	☐
87.27	87.79	0.52	GRD	0.52	100	S047413	☐	16-050			☐	☐	☐
87.79	88.38	0.59	GRD	0.56	95	S047414	☐	16-050			☐	☐	☐
88.38	90.40	2.02	GRD	1.97	98	S047416	☐	16-050			☐	☐	☐
90.40	92.69	2.29	GRD	2.23	97	S047417	☐	16-050			☐	☐	☐
90.40	92.69	2.29	GRD	2.23	97	S047418	☐	16-050			☐	☐	☑
92.69	93.26	0.57	QFP	0.56	98	S047419	☐	16-050			☐	☐	☐
93.26	93.76	0.50	QFP	0.50	100	S047420	☐	16-050			☐	☐	☐
93.76	94.33	0.57	QFP	0.57	100	S047421	☐	16-050			☐	☐	☐
94.33	94.85	0.52	QFP, GRD	0.52	100	S047422	☐	16-050			☐	☐	☐
94.85	95.54	0.69	GRD	0.60	87	S047423	☐	16-050			☐	☐	☐
104.38	105.09	0.71	GRD	0.71	100	S047424	☐	16-051			☐	☐	☐
105.09	106.83	1.74	GRD	1.66	95	S047425	☐	16-051			☐	☐	☐
106.83	108.40	1.57	GRD	1.54	98	S047426	☐	16-051			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
108.40	108.93	0.53	GRD	0.53	100	S047427	☐	16-051			☐	☐	☐
108.93	110.82	1.89	GRD	1.86	98	S047429	☐	16-051			☐	☐	☐
110.82	112.06	1.24	GRD	1.18	95	S047430	☐	16-051			☐	☐	☐
112.06	112.89	0.83	GRD	0.83	100	S047432	☐	16-051			☐	☐	☐
112.89	113.39	0.50	GRD	0.50	100	S047433	☐	16-051			☐	☐	☐
113.39	114.92	1.53	GRD	1.53	100	S047434	☐	16-051			☐	☐	☐
114.92	115.74	0.82	GRD	0.82	100	S047435	☐	16-051			☐	☐	☐
115.74	116.43	0.69	GRD	0.67	97	S047436	☐	16-051			☐	☐	☐
130.90	131.50	0.60	GRD	0.59	98	S047437	☐	16-051			☐	☐	☐
131.50	132.00	0.50	GRD	0.50	100	S047438	☐	16-051			☐	☐	☐
132.00	132.50	0.50	GRD	0.50	100	S047439	☐	16-051			☐	☐	☐
132.50	134.51	2.01	GRD	2.00	100	S047440	☐	16-051			☐	☐	☐
132.50	134.51	2.01	GRD	2.00	100	S047441	☐	16-051			☐	☐	☑
134.51	135.31	0.80	GRD	0.78	98	S047442	☐	16-051			☐	☐	☐
135.31	135.84	0.53	GRD	0.52	98	S047443	☐	16-051			☐	☐	☐
135.84	136.37	0.53	GRD	0.53	100	S047444	☐	16-051			☐	☐	☐

KL-16-313
Central Klaza

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	33.69			☐	☐	☐	☐	
16-048	S047377	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-048	S047381	0.00	0.00	4.39	1120	☐	☐	☐	☑ KL-STD1	
16-050	S047395	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-050	S047404	0.00	0.00	4.58	1190	☐	☐	☐	☑ KL-STD1	
16-050	S047411	0.00	0.00	0.01	50	☐	☐	☑	☐	
16-050	S047415	0.00	0.00	0.35	870	☐	☐	☐	☑ KL-STD4	
16-051	S047428	0.00	0.00	4.44	330	☐	☐	☐	☑ KL-STD1	
16-051	S047431	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-048	S047374	33.69	34.31	0.00	1890	☐	☐	☐	☐	
16-048	S047375	34.31	34.89	0.00	1970	☐	☐	☐	☐	
16-048	S047376	34.89	35.44	0.13	1710	☐	☐	☐	☐	
16-048	S047378	35.44	36.08	0.00	1730	☐	☐	☐	☐	
16-048	S047379	36.08	37.19	0.00	2480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-048	S047380	37.19	40.23	0.03	2290	☐	☐	☐	☐	
16-048	S047382	40.23	41.20	0.02	1560	☐	☐	☐	☐	
16-048	S047383	41.20	42.08	0.13	1220	☐	☐	☐	☐	
16-048	S047384	42.08	43.28	0.01	1910	☐	☐	☐	☐	
16-048	S047385	42.08	43.28	0.00	1410	☑	☐	☐	☐	
16-048	S047386	43.28	44.97	0.03	1250	☐	☐	☐	☐	
16-048	S047387	44.97	45.95	0.12	980	☐	☐	☐	☐	
16-050	S047388	45.95	47.00	0.01	1060	☐	☐	☐	☐	
16-050	S047389	47.00	47.60	4.03	1000	☐	☐	☐	☐	
16-050	S047390	47.60	48.12	0.01	1630	☐	☐	☐	☐	
16-050	S047391	48.12	48.92	0.02	2220	☐	☐	☐	☐	
		48.92	57.03			☐	☐	☐	☐	
16-050	S047392	57.03	57.62	0.02	2420	☐	☐	☐	☐	
16-050	S047393	57.62	58.18	0.02	1830	☐	☐	☐	☐	
16-050	S047394	58.18	59.43	0.98	920	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-050	S047396	59.43	59.93	0.02	890	☐	☐	☐	☐	
16-050	S047397	59.93	60.48	0.01	2060	☐	☐	☐	☐	
		60.48	69.06			☐	☐	☐	☐	
16-050	S047398	69.06	69.62	0.06	1470	☐	☐	☐	☐	
16-050	S047399	69.62	70.19	0.01	2280	☐	☐	☐	☐	
16-050	S047400	69.62	70.19	0.01	2850	☑	☐	☐	☐	
16-050	S047401	70.19	70.71	1.41	1790	☐	☐	☐	☐	
16-050	S047402	70.71	71.24	0.02	1290	☐	☐	☐	☐	
16-050	S047403	71.24	71.89	0.01	1070	☐	☐	☐	☐	
		71.89	81.77			☐	☐	☐	☐	
16-050	S047405	81.77	82.68	0.12	1970	☐	☐	☐	☐	
16-050	S047406	82.68	83.36	0.33	1460	☐	☐	☐	☐	
16-050	S047407	83.36	84.19	0.03	1550	☐	☐	☐	☐	
16-050	S047408	84.19	84.84	0.05	3520	☐	☐	☐	☐	
16-050	S047409	84.84	85.95	0.15	900	☐	☐	☐	☐	
16-050	S047410	85.95	86.71	0.39	480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-050	S047412	86.71	87.27	0.97	590	☐	☐	☐	☐	
16-050	S047413	87.27	87.79	0.03	1300	☐	☐	☐	☐	
16-050	S047414	87.79	88.38	0.00	2060	☐	☐	☐	☐	
16-050	S047416	88.38	90.40	0.01	2180	☐	☐	☐	☐	
16-050	S047417	90.40	92.69	0.00	1770	☐	☐	☐	☐	
16-050	S047418	90.40	92.69	0.00	1800	☐	☑	☐	☐	
16-050	S047419	92.69	93.26	0.01	540	☐	☐	☐	☐	
16-050	S047420	93.26	93.76	0.11	490	☐	☐	☐	☐	
16-050	S047421	93.76	94.33	0.90	450	☐	☐	☐	☐	
16-050	S047422	94.33	94.85	0.01	1430	☐	☐	☐	☐	
16-050	S047423	94.85	95.54	0.01	2260	☐	☐	☐	☐	
		95.54	######			☐	☐	☐	☐	
16-051	S047424	104.38	105.09	0.71	1290	☐	☐	☐	☐	
16-051	S047425	105.09	106.83	0.04	1890	☐	☐	☐	☐	
16-051	S047426	106.83	108.40	0.01	2370	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-051	S047427	108.40	108.93	0.11	1450	☐	☐	☐	☐	
16-051	S047429	108.93	110.82	0.00	2190	☐	☐	☐	☐	
16-051	S047430	110.82	112.06	0.90	920	☐	☐	☐	☐	
16-051	S047432	112.06	112.89	0.06	1350	☐	☐	☐	☐	
16-051	S047433	112.89	113.39	0.01	2260	☐	☐	☐	☐	
16-051	S047434	113.39	114.92	0.00	2290	☐	☐	☐	☐	
16-051	S047435	114.92	115.74	0.06	1570	☐	☐	☐	☐	
16-051	S047436	115.74	116.43	0.00	2350	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-051	S047437	130.90	131.50	0.00	2160	☐	☐	☐	☐	
16-051	S047438	131.50	132.00	0.01	1070	☐	☐	☐	☐	
16-051	S047439	132.00	132.50	0.70	1600	☐	☐	☐	☐	
16-051	S047440	132.50	134.51	0.01	2360	☐	☐	☐	☐	
16-051	S047441	132.50	134.51	0.01	2360	☐	☑	☐	☐	
16-051	S047442	134.51	135.31	0.27	1240	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-051	S047443	135.31	135.84	0.01	2090	☐	☐	☐	☐	
16-051	S047444	135.84	136.37	0.00	2300	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
26.10	26.13	VN	37	70	NUL	1	Oxidized banded smoky quartz vein hosting disseminated pyrite.			
								Py	5	DI
35.19	35.30	VN	37	80	NUL	1	Grey to dark grey quartz vein with interstitial tan ankerite. Hosts disseminated to blebby pyrite, sphalerite and galena.			
								Py	5	BL
								Sp	3	BL
								Gn	1	BL
41.33	41.36	VN	37	65	NUL	1	Oxidized smoky quartz vein hosting trace disseminated pyrite.			
								Py	1	DI
41.81	41.84	VN	37	80	NUL	1	banded grey quartz/white carbonate vein hosting blebby pyrite and honey brown sphalerite.			
								Sp	15	BL
								Py	20	BL
42.67	45.91	VT	37	70	NUL	10	Ten 0.4-0.6cm with grey quartz/tan ankerite veinlets that hosts disseminated pyrite, sphalerite and galena.			
								Sp	2	DI
								Gn	2	DI
								Py	2	DI
45.00	45.03	VN	37	80	NUL	1	Grey quartz with interstitial white carbonate. Vein hosting disseminated to blebby pyrite, sphalerite and galena.			
								Sp	5	BL
								Py	15	BL
								Gn	3	BL
47.14	47.23	VB	37	70	NUL	1	Smoky quartz vein breccia hosting disseminated to blebby pyrite, galena and arsenopyrite.			
								As	2	BL
								Py	5	BL
								Gn	2	BL
47.40	47.54	VN	37	70	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and arsenopyrite.			
								As	10	BL
								Py	50	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
58.22	58.25	VB	37	80	NUL	1	Black breccia vein hosting disseminated pyrite.			
								Py	1	DI
58.56	59.29	BX	34	-	NUL	1	Large black breccia hosting disseminated to blebby pyrite.			
								Py	2	BL
70.45	70.52	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite.			
								Py	20	BL
81.85	82.27	BX	34	-	NUL	1	Net of interconnected smoky quartz veinlets brecciating phyllic granodiorite. Hosts disseminated pyrite.			
								Py	2	DI
82.75	82.85	VB	37	20	NUL	1	Black vein breccia hosting disseminated pyrite.			
								Py	1	DI
83.31	83.32	VB	37	60	NUL	1	Black vein breccia. Hosts disseminated pyrite.			
								Py	1	DI
84.20	84.85	DY	37	-	NUL	1	Strongly gouge altered light green and purple quartz feldspar porphyry dykelet.			
84.85	84.92	VB	37	60	NUL	1	Black vein breccia hosting disseminated pyrite.			
								Py	1	DI
86.23	86.55	BX	34	-	NUL	1	Smoky quartz breccia hosting disseminated to blebby pyrite, sphalerite and galena.			
								Py	1	DI
								Sp	1	DI
								Gn	1	DI
87.26	87.30	VN	37	80	NUL	1	Light grey vein with interstitial white carbonate. Hosts disseminated to blebby pyrite, galena, sphalerite and arsenopyrite.			
								As	1	BL
								Py	20	BL
								Gn	5	BL
								Sp	3	BL
93.71	93.74	VN	37	70	NUL	1	Grey quartz vein with interstitial white carbonate hosting blebby pyrite, blackjack sphalerite and galena.			
								Sp	10	BL
								Py	40	BL
								Gn	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
106.74	106.76	VN	37	70	NUL	1	Banded grey quartz/white carbonate vein hosting blebby pyrite and disseminated galena.			
								Py	10	BL
								Gn	1	DI
108.53	108.75	BX	34	60	NUL	1	Grey quartz breccia with clasts of dyke and phyllic granodiorite.			
								Py	1	DI
110.98	111.07	VN	37	70	NUL	1	Grey to dark grey quartz vein hosting disseminated to blebby pyrite and disseminated sphalerite and galena.			
								Gn	1	DI
								Py	50	BL
								Sp	1	DI
111.91	111.92	VN	37	60	NUL	1	Quartz/carbonate vein hosting disseminated pyrite.			
								Py	5	DI
115.63	115.66	VN	37	80	NUL	1	Banded grey quartz and white carbonate vein hosting disseminated to blebby pyrite and trace disseminated sphalerite and galena.			
								Py	10	BL
123.18	123.19	VN	37	40	NUL	1	Gouge altered grey quartz vein hosting disseminated pyrite.			
								Py	1	DI
132.15	132.23	VN	37	70	NUL	1	Grey quartz vein brecciated by white carbonate hosting disseminated to blebby pyrite and disseminated arsenopyrite and galena.			
								Gn	1	DI
								Py	35	BL
								As	3	DI
134.63	134.65	VN	37	80	NUL	1	Banded grey quartz vein hosting disseminated to blebby pyrite and disseminated galena and sphalerite.			
								Gn	1	DI
								Sp	1	DI
								Py	8	BL
134.94	135.01	VN	37	80	NUL	1	Grey quartz vein with interstitial tan ankerite hosting disseminated to blebby pyrite, sphalerite, galena and disseminated arsenopyrite.			
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								As	2	DI
								Gn	1	BL
								Sp	3	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383325	6887723	1259.09	475.73

ZONE: Exploration

SECTION:

HOLE: KL-16-314

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.05m, Out

Drilling Dates: Jul 15 - Jul 19, 2016

Geology Logged By: J. Tarswell

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Kelly

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	11.54	11.54	VOL
11.54	75.29	63.75	VOL
75.29	136.25	60.96	VOL
136.25	159.69	23.44	VOL
159.69	178	18.31	GRD
178	178.8	0.8	QFP
178.8	186.61	7.81	GRD
186.61	204.41	17.8	GRD
204.41	228.1	23.69	VOL
228.1	318.9	90.8	GRD
318.9	321.5	2.6	SIL
321.5	354.74	33.24	GRD
354.74	362.15	7.41	POR
362.15	376.85	14.7	GRD
376.85	412.96	36.11	GRD
412.96	421.5	8.54	SIL

SAMPLES	
Numbers:	r614201 to R614392, s047501 to s047550
Total:	242
Batch:	057, 059, 062, 063, 065, 066, 069
Certificates:	VA16121846, VA16121849, VA16121850, VA16121851, VA16121852, VA16123342, VA16123345, VA16142377, VA16143853

COMMENTS

Extra core a product of an attempt to recover downhole tool. Approximately 3 m of unaltered granodiorite. No Downhole Survey.

421.5	444.3	22.8	GRD
444.3	453.3	9	QFP
453.3	454	0.7	GRD
454	465.43	11.43	QFP
465.43	475.73	10.3	GRD

Box Log

KL-16-314

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	4.4
2	4.4	6.88
3	6.88	9.35
4	9.35	11.54
5	11.54	14.33
6	14.33	17.23
7	17.23	20.03
8	20.03	22.91
9	22.91	25.29
10	25.29	27.08
11	27.08	30.45
12	30.45	32.98
13	32.98	35.97
14	35.97	38.71
15	38.71	41.38
16	41.38	44.01
17	44.01	46.69
18	46.69	49.56
19	49.56	52.35
20	52.35	54.93
21	54.93	57.74
22	57.74	60.48
23	60.48	63.39
24	63.39	66.43
25	66.43	69.49
26	69.49	71.95
27	71.95	74.63
28	74.63	77.21
29	77.21	79.85
30	79.85	83.05
31	83.05	85.88
32	85.88	89.08
33	89.08	91.9
34	91.9	95.15
35	95.15	98.27
36	98.27	101.3
37	101.3	104.37
38	104.37	107.29
39	107.29	110.44
40	110.44	113.32
41	113.32	116.36
42	116.36	119.59
43	119.59	122.67
44	122.67	125.83
45	125.83	128.95
46	128.95	131.78
47	131.78	134.88
48	134.88	137.62
49	137.62	140.81
50	140.81	144.05
51	144.05	147.22
52	147.22	150.25
53	150.25	154.43
54	154.43	156.62
55	156.62	159.69
56	159.69	162.66
57	162.66	165.68
58	165.68	168.7
59	168.7	171.74
60	171.74	174.77
61	174.77	177.83
62	177.83	180.75
63	180.75	183.65
64	183.65	186.61
65	186.61	189.52
66	189.52	192.63
67	192.63	195.54
68	195.54	198.66
69	198.66	201.31
70	201.31	204.41
71	204.41	207.31
72	207.31	210.44
73	210.44	213.67
74	213.67	216.63
75	216.63	219.94
76	219.94	223.15
77	223.15	226.26
78	226.26	229.53
79	229.53	232.78
80	232.78	235.77
81	235.77	238.93
82	238.93	242.17
83	242.17	245.19
84	245.19	248.04
85	248.04	251.11
86	251.11	254.12
87	254.12	257.27
88	257.27	260.3
89	260.3	263.55
90	263.55	266.66

Box Number	From (m)	To (m)
91	266.66	269.9
92	269.9	272.97
93	272.97	276.1
94	276.1	279.17
95	279.17	282.18
96	282.18	285.33
97	285.33	288.45
98	288.45	291.69
99	291.69	294.74
100	294.74	298.09
101	298.09	301.23
102	301.23	304.39
103	304.39	307.65
104	307.65	310.47
105	310.47	313.23
106	313.23	316.49
107	316.49	319.6
108	319.6	322.8
109	322.8	326.11
110	326.11	329.29
111	329.29	332.56
112	332.56	335.36
113	335.36	338.43
114	338.43	341.49
115	341.49	344.7
116	344.7	347.93
117	347.93	351.14
118	351.14	354.24
119	354.24	358.14
120	358.14	360.22
121	360.22	363.49
122	363.49	366.7
123	366.7	369.75
124	369.75	372.8
125	372.8	375.94
126	375.94	379.19
127	379.19	382.48
128	382.48	385.81
129	385.81	389.03
130	389.03	392.27
131	392.27	395.62
132	395.62	398.88
133	398.88	401.96
134	401.96	405.12
135	405.12	408.35
136	408.35	411.57
137	411.57	414.57
138	414.57	417.51
139	417.51	420.17
140	420.17	423.35
141	423.35	426.29
142	426.29	429.5
143	429.5	432.49
144	432.49	435.51
145	435.51	438.58
146	438.58	441.71
147	441.71	444.76
148	444.76	447.77
149	447.77	450.77
150	450.77	454.91
151	454.91	457.08
152	457.08	460.13
153	460.13	463.29
154	463.29	466.12
155	466.12	469.58
156	469.58	472.61
157	472.61	475.65
158	475.65	475.73

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-314									
	61.29	16.3	HQ	VOL	1278.5	794.8	2.52	2.6	weakly oxidized, strongly altered volcanics. Unit is strongly bleached as a result of alteration. Highly fractured. Light grey color. Strong oxidation on fracture surfaces.
	74.03	14	HQ	VOL	1060	675.8	2.43	2.8	weakly oxidized, strongly altered volcanics hosting disseminated pyrite. Interval is strongly bleached as a result of alteration. Highly fractured. Light grey color. Strong oxidation on fracture surfaces.
	100.92	16.5	HQ	VOL	1324.5	839.1	2.58	2.7	strongly altered volcanics are strongly bleached as a result of alteration. Highly fractured. Light grey color.
	210.63	20.5	HQ	VOL	1761.6	1137.8	2.76	2.8	White volcanics with trace disseminated pyrite stringers.
	227.69	15.5	HQ	VOL	1159.3	732.6	2.4	2.7	dark Coloured volcanics. Pyrite stringers throughout. Carbonate material found along lower selvedge of sample hosting disseminated to blebby pyrite (1.5cm)
	251.86	21	HQ	GRD	1688.8	1080.6	2.58	2.8	Mottled fine grained granodiorite with moderately strong propylitic alteration. Hosts small pyrite veinlets and stringers throughout.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	294.63	10	HQ	GRD	876.5	560.4	2.81	2.8	Silica flooded granodioritewith minor quartz carbonate vein and disseminated pyrite.
	348.82	8.5	HQ	GRD	828.5	845	3.13	-50.2	Quartz carbonate veins hosting semi massive pyrite. Hosted in silica flooded propylitic altered granodiorite
	380.09	17	HQ	GRD	1422	890.1	2.68	2.7	Silica flooded lightly propylitic altered granodiorite with fracture pyrite
	389.23	11.5	HQ	GRD	985.6	620.3	2.75	2.7	Silica flooded lightly propylitic altered granodiorite with fracture pyrite.
	401.42	14	HQ	GRD	1155.9	732.2	2.65	2.7	Silica flooded lightly propylitic altered granodiorite with fracture pyrite
	456.29	17	HQ	QFP	1473.7	925.4	2.78	2.7	porphyry dike with large potassic altered phenocrysts and pyrite in veinlets
	462.38	8.5	HQ	QFP	704.5	446.2	2.66	2.7	porphyry dike with large potassic altered phenocrysts and pyrite in veinlets

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	11.54	11.54	VOL	FG	Strongly oxidized and altered, rubbly volcanic hosting intermittent pyrite veins and veinlets. Unit is strongly bleached as a result of alteration. Highly fractured. Light grey color.							
						LT	GY	RB	OXI	4I	Py	0.1
						LT	OR		PHC	3I		
									ARG	3I		
11.54	6666.00	6654.46	VOL	FG	weakly oxidized, strongly altered, rubbly volcanic hosting intermittent pyrite veins and veinlets. Unit is strongly bleached as a result of alteration. Highly fractured. Light grey color. Strong oxidation on fracture surfaces.							
						LT	GY	RB	OXI	2I	Py	0.1
						LT	GN	FR	PHC	3I		
						LT	OR		ARG	3I		
75.29	666.00	590.71	VOL	FG	Very bleached/altered fine grained volcanic hosting pervasive disseminated pyrite. Vein halos are very strongly seritized. Kaolinization is extremely strong. Silica flooded. Massive pyrite veins host disseminated to blebby sphalerite and galena on selvages. Strongly mineralized zone (supergene?).							
						LT	WH	GD	ARG	5I	Py	0.1
						LT	GY		PHC	5I	Gn	0.1
											Sp	0.1
136.25	159.69	23.44	VOL	FG	Alternating relatively unaltered mafic volcanics hosting pyrite stringers on fracture surfaces and trace disseminated pyrite and strongly phyllic argillic altered volcanics hosting well developed pyrite vein structures and weak gouge zones. Well developed vein structures have trace blebby chalcopyrite.							
						LT	BK	MO	PHC	4I	Py	0.1
						LT	GY		ARG	4I	Cp	0.1
						LT	GN		POT	1I	Py	0.1
159.69	178.00	18.31	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BK	MO	PHC	4I	Py	0.1
						LT	GY					
						DK	GY		ARG	1I	Cp	0.05
178.00	178.80	0.80	QFP	FG	silicious, fine grained quartz feldspar porphyry dyke.							
						LT	GY	AN				
178.80	186.61	7.81	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins. 7 large veins hosting galena, spahlerite and blebby chalcopyrite. Carbonate veinlets throughout the vein zone.							
						LT	GY	MO	PHC	5I	Py	0.1
						LT	GN		ARG	3I		
186.61	6666.00	6479.39	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins.							
						LT	GY					
						DK	GY	MO	PHC	4I	Py	0.1
						DK	GN					
204.41	228.10	23.69	VOL	FG	alternating dark and light coloured volcanic bands up to 3 m wide. White, strongly altered volcanic material found around large veins and vein zones. Dark volcanic much less mineralized. Pyrite stringers throughout. Strong fracture pyrite and dissemination. Carbonate material also found on fractures an some carbonate veins are present.							
						LT	GY		PHC	3I	Py	0.1
						LT	GN					
						DK	GY		ARG	1I		
228.10	6666.00	6437.90	GRD	FG	Mottled fine grained granodiorite with light to strong propylitic alteration. Narrow phyllic altered halos around veins and veinlets. Large lengths of core relatively unaltered or showing only trace propylitic alteration. Very frequent pyrite veins and veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		PRO	1I		
						DK	GY	MO	PRO	3I	Py	0.1
									PHC	1I		
318.90	555.00	236.10	SIL	FG	very fine grained silicious dyke. Light pink colour. Very few phenocrysts. Potasic altered							
						MD	PK					
						LT	GY	AN	POT	2I		
354.74	362.15	7.41	POR	CG	Dark grey to black porphyry with abundant large white phenocrysts. Strongly phyllic altered. Disseminated epidote throughout. Pervasive disseminated pyrite. Pyrite stringers and veinlets throughout.							
						MD	GY					
						DK	BK	PO	PHC	5I	Py	1
						DK	GN		PRO	3I		
362.15	555.00	192.85	GRD	FG	Mottled fine grained granodiorite with light to strong propylitic alteration. Narrow phyllic altered halos around veins and veinlets. Large lengths of core relatively unaltered or showing only trace propylitic alteration. Very frequent pyrite veins and veinlets.							
						LT	GY		PRO	1I		
						LT	GY		PHC	1I		
						DK	GY	MO	PRO	3I	Py	0.1
						DK	GY	MO	PRO	3I	Py	0.1
									PRO	1I		
									PHC	1I		
376.85	412.96	36.11	GRD	MG	unaltered to lightly altered granodiorite hosting zones of strong propylitic alteration around pyrite veins and veinlets.							
						MD	GY		PRO	2I	Py	0.1
						LT	GY					
454.00	465.43	11.43	QFP	FG	Porphyry. Similar to Quartz feldspar porphyry dyke. Large phenocrysts. Grey green colour.							
						LT	GN					
						LT	GY					
465.43	475.73	10.30	GRD	MG	Propylitic altered granodiorite hosting fracture pyrite and rare milky quartz veins hosting semi massive pyrite and blebby chalcopyrite. Pyrite stringers throughout.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	11.54	11.54	VOL	FG	Strongly oxidized and altered, rubbly volcanic hosting intermittent pyrite veins and veinlets. Unit is strongly bleached as a result of alteration. Highly fractured. Light grey color.							
						LT	GY	RB	OXI	4I	Py	0.1
						LT	OR		PHC	3I		
									ARG	3I		
11.54	75.29	63.75	VOL	FG	weakly oxidized, strongly altered, rubbly volcanic hosting intermittent pyrite veins and veinlets. Unit is strongly bleached as a result of alteration. Highly fractured. Light grey color. Strong oxidation on fracture surfaces.							
						LT	OR		ARG	3I		
						LT	GY	RB	OXI	2I	Py	0.1
						LT	GN	FR	PHC	3I		
75.29	136.25	60.96	VOL	FG	Very bleached/altered fine grained volcanic hosting pervasive disseminated pyrite. Vein halos are very strongly seritized. Kaolinization is extremely strong. Silica flooded. Massive pyrite veins host disseminated to blebby sphalerite and galena on selvages. Strongly mineralized zone (supergene?).							
						LT	GY		PHC	5I	Gn	0.1
						LT	WH	GD	ARG	5I	Py	0.1
											Sp	0.1
											Cp	0.1
136.25	159.69	23.44	VOL	FG	Alternating relatively unaltered mafic volcanics hosting pyrite stringers on fracture surfaces and trace disseminated pyrite and strongly phyllic argillic altered volcanics hosting well developed pyrite vein structures and weak gouge zones. Well developed vein structures have trace blebby chalcopyrite.							
						LT	BK	MO	PHC	4I	Py	0.1
						LT	GY		ARG	4I	Cp	0.1
						LT	GN		POT	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
159.69	178.00	18.31	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins.							
						DK	GY		ARG	1I	Cp	0.05
						LT	GY					
						MD	BK	MO	PHC	4I	Py	0.1
178.00	178.80	0.80	QFP	FG	silicious, fine grained quartz feldspar porphyry dyke.							
						LT	GY	AN				
178.80	186.61	7.81	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins. 7 large veins hosting galena, spahlerite and blebby chalcopyrite. Carbonate veinlets throughout the vein zone.							
						LT	GN		ARG	3I		
						LT	GY	MO	PHC	5I	Py	0.1
186.61	204.41	17.80	GRD	FG	fine grained, very mottled granodiorite/volcanic (chilled margin?) Strong epidote (phyllic alteration) rock is dark grey to black color. Pervasive pyrite on fractures. Some pyrite veinlets. Very little chalcopyrite. Strong alteration halos around well developed veins.							
						LT	GY					
						DK	GN					
						DK	GY	MO	PHC	4I	Py	0.1
204.41	228.10	23.69	VOL	FG	alternating dark and light coloured volcanic bands up to 3 m wide. White, strongly altered volcanic material found around large veins and vein zones. Dark volcanic much less mineralized. Pyrite stringers throughout. Strong fracture pyrite and dissemination. Carbonate material also found on fractures an some carbonate veins are present.							
						LT	GY		PHC	3I	Py	0.1
						DK	GY		ARG	1I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
228.10	318.90	90.80	GRD	FG	Mottled fine grained granodiorite with light to strong propylitic alteration. Narrow phyllic altered halos around veins and veinlets. Large lengths of core relatively unaltered or showing only trace propylitic alteration. Very frequent pyrite veins and veinlets.							
									PHC	1I		
						LT	GY		PRO	1I		
						DK	GY	MO	PRO	3I	Py	0.1
318.90	321.50	2.60	SIL	FG	Very fine grained silicious dyke. Light pink colour. Very few phenocrysts. Potasic altered							
						LT	GY	AN	POT	2I		
						MD	PK					
321.50	354.74	33.24	GRD	FG	Mottled fine grained granodiorite with light to strong propylitic alteration. Narrow phyllic altered halos around veins and veinlets. Large lengths of core relatively unaltered or showing only trace propylitic alteration. Very frequent pyrite veins and veinlets.							
						LT	GY		PHC	1I		
									PRO	1I		
						DK	GY	MO	PRO	3I	Py	0.1
354.74	362.15	7.41	POR	CG	Dark grey to black porphyry with abundant large white phenocrysts. Strongly phyllic altered. Disseminated epidote throughout. Pervasive disseminated pyrite. Pyrite stringers and veinlets throughout.							
						DK	GN		PRO	3I		
						DK	BK	PO	PHC	5I	Py	1
						MD	GY					
362.15	376.85	14.70	GRD	FG	Mottled fine grained granodiorite with light to strong propylitic alteration. Narrow phyllic altered halos around veins and veinlets. Large lengths of core relatively unaltered or showing only trace propylitic alteration. Very frequent pyrite veins and veinlets.							
						LT	GY		PRO	1I		
									PHC	1I		
						DK	GY	MO	PRO	3I	Py	0.1
376.85	412.96	36.11	GRD	MG	Unaltered to lightly altered granodiorite hosting zones of strong propylitic alteration around pyrite veins and veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I	Py	0.1
						LT	GY					
454.00	465.43	11.43	QFP	FG	Porphyry. Similar to Quartz feldspar porphyry dyke. Large phenocrysts. Grey green colour.							
						LT	GN					
						LT	GY					
465.43	475.73	10.30	GRD	MG	Propylitic altered granodiorite hosting fracture pyrite and rare milky quartz veins hosting semi massive pyrite and blebby chalcopyrite. Pyrite stringers throughout.							
						DK	GN		PRO	4I	Py	0.1
						LT	GY					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	2.95	57	0.00	0	--	2H	6W	overburden, rubble
5.18	8.23	3.05	2.85	93	0.00	0	--	2H	5W	rubble
8.23	11.28	3.05	2.85	93	0.00	0	--	2H	5W	rubble
11.28	14.33	3.05	2.97	97	0.92	30	--	2H	4W	
14.33	17.37	3.04	2.85	94	1.11	37	--	3H	3W	
17.37	20.42	3.05	3.05	100	1.40	46	--	1H	3W	gougy interval
20.42	23.47	3.05	2.95	97	0.63	21	--	4H	3W	
23.47	26.52	3.05	3	98	0.75	25	--	2H	3W	
26.52	29.57	3.05	2.1	69	0.00	0	--	2H	3W	
29.57	32.61	3.04	3	99	0.45	15	--	3H	3W	
32.61	35.66	3.05	2.56	84	0.00	0	--	1H	4W	gougy interval
35.66	38.71	3.05	2.66	87	0.85	28	--	1H	2W	gougy interval
38.71	41.76	3.05	2.7	89	0.55	18	--	1H	3W	gougy section
41.76	44.81	3.05	2.79	91	0.34	11	--	1H	4W	gouge and rubble
44.81	47.85	3.04	2.87	94	0.81	27	--	2H	3W	
47.85	50.90	3.05	2.95	97	0.49	16	--	1H	3W	
50.90	53.95	3.05	2.94	96	0.63	21	--	2H	4W	
53.95	57.00	3.05	2.85	93	1.27	42	--	3H	3W	
57.00	60.05	3.05	2.87	94	0.24	8	--	2H	4W	
60.05	63.09	3.04	2.94	97	1.11	37	--	1H	3W	
63.09	66.14	3.05	2.79	91	0.81	27	--	3H	3W	
66.14	69.19	3.05	2.63	86	1.00	33	--	3H	2W	
69.19	72.24	3.05	2.95	97	0.67	22	--	2H	2W	
72.24	75.29	3.05	2.93	96	0.98	32	--	2H	2W	
75.29	78.33	3.04	3.01	99	1.42	47	--	3H	2W	
78.33	81.38	3.05	3.05	100	2.23	73	--	3H	1W	
81.38	84.43	3.05	2.95	97	1.88	62	--	3H	1W	
84.43	87.48	3.05	2.9	95	1.36	45	--	3H	1W	
87.48	90.52	3.04	2.99	98	1.46	48	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.52	93.57	3.05	3.05	100	2.75	90	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.60	85	--	4H	1W	
96.62	99.67	3.05	3	98	1.99	65	--	4H	1W	
99.67	102.72	3.05	2.82	92	1.85	61	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.53	83	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.79	92	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.75	57	--	4H	1W	
111.86	114.91	3.05	2.99	98	2.47	81	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.75	90	--	4H	1W	
117.96	121.01	3.05	3.05	100	3.05	100	--	4H	1W	
121.01	124.05	3.04	3.04	100	2.83	93	--	4H	1W	
124.05	127.10	3.05	3	98	2.47	81	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.83	93	--	4H	1W	
130.15	133.20	3.05	2.88	94	1.65	54	--	3H	1W	
133.20	136.25	3.05	2.95	97	2.57	84	--	4H	1W	
136.25	139.29	3.04	3	99	2.02	66	--	5H	1W	
139.29	142.34	3.05	3.05	100	2.60	85	--	4H	1W	
142.34	145.39	3.05	3.03	99	2.27	74	--	5H	1W	
145.39	148.44	3.05	3.05	100	2.62	86	--	5H	1W	
148.44	151.49	3.05	3.04	100	2.32	76	--	3H	1W	
151.49	154.53	3.04	3	99	2.65	87	--	4H	1W	
154.53	157.58	3.05	3.05	100	2.27	74	--	4H	1W	
157.58	160.63	3.05	3.05	100	2.11	69	--	5H	1W	
160.63	163.68	3.05	2.93	96	2.08	68	--	5H	1W	
163.68	166.73	3.05	3.04	100	1.53	50	--	5H	1W	
166.73	169.77	3.04	3.04	100	1.59	52	--	5H	1W	
169.77	172.82	3.05	2.94	96	1.45	48	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.35	77	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.06	68	--	3H	1W	
178.92	181.97	3.05	3.01	99	2.11	69	--	2H	1W	
181.97	185.01	3.04	3.04	100	2.96	97	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.05	100	1.82	60	--	3H	1W	
188.06	191.11	3.05	2.85	93	1.78	58	--	3H	1W	
191.11	194.16	3.05	3.05	100	2.16	71	--	4H	1W	
194.16	197.21	3.05	2.94	96	1.35	44	--	3H	1W	
197.21	200.25	3.04	3	99	1.88	62	--	3H	1W	
200.25	203.30	3.05	2.76	90	1.79	59	--	4H	1W	
203.30	206.35	3.05	3	98	0.91	30	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.74	90	--	5H	1W	
209.40	212.45	3.05	3.05	100	2.20	72	--	5H	1W	
212.45	215.49	3.04	2.76	91	2.15	71	--	5H	1W	
215.49	218.54	3.05	2.85	93	2.41	79	--	4H	1W	
218.54	221.59	3.05	3.05	100	2.02	66	--	5H	1W	
221.59	224.64	3.05	3.02	99	2.36	77	--	3H	1W	
224.64	227.69	3.05	3.01	99	2.08	68	--	5H	1W	
227.69	230.73	3.04	3	99	2.48	82	--	5H	1W	
230.73	233.78	3.05	3.05	100	2.98	98	--	5H	1W	
233.78	236.83	3.05	3.05	100	2.62	86	--	5H	1W	
236.83	239.88	3.05	3.05	100	3.05	100	--	5H	1W	
239.88	242.92	3.04	3.04	100	1.96	64	--	5H	1W	
242.92	245.97	3.05	3.05	100	2.49	82	--	5H	1W	
245.97	249.02	3.05	3.04	100	2.25	74	--	4H	1W	
249.02	252.07	3.05	3.05	100	2.71	89	--	5H	1W	
252.07	255.12	3.05	3.05	100	2.57	84	--	5H	1W	
255.12	258.17	3.05	3.02	99	2.47	81	--	5H	1W	
258.17	261.21	3.04	3.04	100	2.84	93	--	5H	1W	
261.21	264.26	3.05	3.05	100	2.56	84	--	4H	1W	
264.26	267.31	3.05	3.05	100	2.90	95	--	5H	1W	
267.31	270.36	3.05	3.05	100	2.68	88	--	5H	1W	
270.36	273.41	3.05	3.05	100	2.95	97	--	5H	1W	
273.41	276.45	3.04	3	99	3.00	99	--	5H	1W	
276.45	279.50	3.05	3.05	100	2.33	76	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	3.05	100	2.98	98	--	5H	1W	
282.55	285.60	3.05	2.99	98	2.89	95	--	5H	1W	
285.60	288.65	3.05	3.05	100	2.98	98	--	5H	1W	
288.65	291.69	3.04	3.04	100	2.65	87	--	5H	1W	
291.69	294.74	3.05	2.99	98	2.79	91	--	5H	1W	
294.74	297.79	3.05	2.97	97	2.76	90	--	5H	1W	
297.79	300.84	3.05	3.05	100	2.99	98	--	5H	1W	
300.84	303.89	3.05	2.84	93	2.35	77	--	5H	1W	
303.89	306.93	3.04	3.04	100	2.60	86	--	5H	1W	
306.93	309.98	3.05	3.05	100	1.96	64	--	4H	1W	
309.98	313.03	3.05	2.91	95	1.66	54	--	4H	1W	
313.03	316.08	3.05	2.96	97	2.32	76	--	4H	1W	
316.08	319.13	3.05	3.05	100	2.16	71	--	4H	1W	
319.13	322.17	3.04	3.04	100	3.04	100	--	5H	1W	
322.17	325.22	3.05	3.05	100	2.70	89	--	5H	1W	
325.22	328.27	3.05	3.03	99	2.59	85	--	5H	1W	
328.27	331.32	3.05	2.94	96	2.31	76	--	5H	1W	
331.32	334.37	3.05	3.05	100	3.00	98	--	5H	1W	
334.37	337.41	3.04	3.04	100	2.43	80	--	5H	1W	
337.41	340.46	3.05	3.05	100	2.94	96	--	5H	1W	
340.46	343.51	3.05	3.05	100	2.53	83	--	5H	1W	
343.51	346.56	3.05	3	98	2.90	95	--	5H	1W	
346.56	349.61	3.05	3.05	100	2.65	87	--	5H	1W	
349.61	352.65	3.04	3.04	100	2.68	88	--	5H	1W	
352.65	355.70	3.05	2.97	97	2.73	90	--	5H	1W	
355.70	358.75	3.05	3.05	100	2.77	91	--	5H	1W	
358.75	361.80	3.05	3.05	100	2.76	90	--	5H	1W	
361.80	364.85	3.05	3.05	100	2.97	97	--	5H	1W	
364.85	367.89	3.04	3	99	2.78	91	--	5H	1W	
367.89	370.94	3.05	3.05	100	3.00	98	--	4H	1W	
370.94	373.99	3.05	3.05	100	2.86	94	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	3.05	100	3.05	100	--	5H	1W	
377.04	380.09	3.05	3.05	100	3.00	98	--	5H	1W	
380.09	383.13	3.04	3.02	99	2.86	94	--	5H	1W	
383.13	386.18	3.05	3.05	100	2.61	86	--	5H	1W	
386.18	389.23	3.05	3.05	100	2.64	87	--	5H	1W	
389.23	392.28	3.05	2.97	97	2.84	93	--	5H	1W	
392.28	395.33	3.05	2.97	97	2.63	86	--	5H	1W	
395.33	398.37	3.04	3.04	100	2.97	98	--	5H	1W	
398.37	401.42	3.05	3.03	99	2.52	83	--	5H	1W	
401.42	404.47	3.05	3.05	100	2.89	95	--	5H	1W	
404.47	407.52	3.05	3.05	100	2.86	94	--	5H	1W	
407.52	410.57	3.05	3.05	100	2.60	85	--	5H	1W	
410.57	413.61	3.04	3.02	99	2.69	88	--	5H	1W	
413.61	416.66	3.05	2.97	97	1.84	60	--	5H	1W	
416.66	419.71	3.05	3	98	1.01	33	--	5H	1W	
419.71	422.76	3.05	3.05	100	2.47	81	--	5H	1W	
422.76	425.81	3.05	3.05	100	2.31	76	--	5H	1W	
425.81	428.85	3.04	2.99	98	2.65	87	--	5H	1W	
428.85	431.90	3.05	3.05	100	2.73	90	--	5H	1W	
431.90	434.95	3.05	3.05	100	2.45	80	--	5H	1W	
434.95	438.00	3.05	3.05	100	3.02	99	--	4H	1W	
438.00	441.05	3.05	2.98	98	2.64	87	--	5H	1W	
441.05	444.09	3.04	3.04	100	2.60	86	--	5H	1W	
444.09	447.14	3.05	3.01	99	2.65	87	--	5H	1W	
447.14	450.19	3.05	3.05	100	2.95	97	--	5H	1W	
450.19	453.24	3.05	3.01	99	2.60	85	--	5H	1W	
453.24	456.29	3.05	3.02	99	2.64	87	--	5H	1W	
456.29	459.33	3.04	3.04	100	2.09	69	--	5H	1W	
459.33	462.38	3.05	3.03	99	2.19	72	--	5H	1W	
462.38	465.43	3.05	3.05	100	1.97	65	--	5H	1W	
465.43	468.48	3.05	3.04	100	2.76	90	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
468.48	471.53	3.05	3.04	100	2.85	93	--	5H	1W	
471.53	474.57	3.04	3	99	1.77	58	--	5H	1W	
474.57	475.73	1.16	1.1	95	0.85	73	--	5H	1W	EOH

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
12	0.202	VOL	
13	0.048	VOL	
14	0.049	VOL	
15	0.106	VOL	
16	0.112	VOL	
17	0.139	VOL	
18	0.149	VOL	
19	0.195	VOL	
20	0.175	VOL	
21	0.385	VOL	
22	0.365	VOL	
23	0.139	VOL	
24	0.095	VOL	
25	0.32	VOL	
26	0.381	VOL	
27	0.201	VOL	
28	0.339	VOL	
29	0.131	VOL	
30	0.131	VOL	
31	0.213	VOL	
32	0.225	VOL	
33	0.413	VOL	
34	0.112	VOL	
35	0.098	VOL	
36	0.292	VOL	
37	0.085	VOL	
38	0.143	VOL	
39	0.102	VOL	
40	0.318	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
41	0.311	VOL	
42	0.204	VOL	
43	0.366	VOL	
44	0.113	VOL	
45	0.05	VOL	
46	0.1	VOL	
47	0.478	VOL	
48	0.093	VOL	
49	0.156	VOL	
50	0.083	VOL	
51	0.112	VOL	
52	0.035	VOL	
53	0.117	VOL	
54	0.15	VOL	
55	0.023	VOL	
56	0.547	VOL	
57	0.702	VOL	
58	0.138	VOL	
59	0.063	VOL	
60	1.18	VOL	
61	0.157	VOL	
62	0.284	VOL	
63	0.339	VOL	
64	0.141	VOL	
65	0.225	VOL	
66	0.141	VOL	
67	0.245	VOL	
68	0.084	VOL	
69	0.457	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
70	0.044	VOL	
71	0.055	VOL	
72	0.041	VOL	
73	0.039	VOL	
74	0.036	VOL	
75	0.039	VOL	
76	0.079	VOL	
77	0.097	VOL	
78	0.166	VOL	
79	0.313	VOL	
80	0.184	VOL	
81	0.302	VOL	
82	0.134	VOL	
83	0.104	VOL	
84	0.107	VOL	
85	0.13	VOL	
86	0.103	VOL	
87	0.044	VOL	
88	0.047	VOL	
89	0.155	VOL	
90	0.094	VOL	
91	0.119	VOL	
92	0.174	VOL	
93	0.363	VOL	
94	0.141	VOL	
95	0.141	VOL	
96	0.036	VOL	
97	0.083	VOL	
98	0.164	VOL	
99	0.057	VOL	
100	0.034	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
101	0.052	VOL	
102	0.094	VOL	
103	0.06	VOL	
104	0.053	VOL	
105	0.046	VOL	
106	0.038	VOL	
107	0.11	VOL	
108	0.071	VOL	
109	0.058	VOL	
110	0.107	VOL	
111	0.338	VOL	
112	0.053	VOL	
113	0.121	VOL	
114	0.124	VOL	
115	0.115	VOL	
116	0.096	VOL	
117	0.115	VOL	
118	0.098	VOL	
119	0.05	VOL	
120	0.482	VOL	
121	0.837	VOL	
122	0.089	VOL	
123	0.045	VOL	
124	0.043	VOL	
125	0.107	VOL	
126	0.118	VOL	
127	0.117	VOL	
128	0.216	VOL	
129	0.213	VOL	
130	0.115	VOL	
131	0.493	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
132	0.189	VOL	
133	0.118	VOL	
134	0.685	VOL	
135	0.145	VOL	
136	0.65	VOL	
137	0.245	VOL	
138	22.4	VOL	
139	0.738	VOL	
140	1.35	VOL	
141	0.212	VOL	
142	1.75	VOL	
143	1.77	VOL	
144	0.165	VOL	
145	1.17	VOL	
146	0.767	VOL	
147	0.649	VOL	
148	0.459	VOL	
149	0.737	VOL	
150	0.544	VOL	
151	0.478	VOL	
152	0.167	VOL	
153	0.345	VOL	
154	0.116	VOL	
155	0.137	VOL	
156	0.217	VOL	
157	0.835	VOL	
158	0.053	VOL	
159	3.86	VOL	
160	20.9	GRD	
161	20.5	GRD	
162	0.477	GRD	
163	6.07	GRD	
164	2.14	GRD	
165	1	GRD	
166	0.731	GRD	
167	4.51	GRD	
168	5.91	GRD	
169	16.7	GRD	
170	0.824	GRD	
171	0.356	GRD	
172	16.8	GRD	
173	1.6	GRD	
174	6.68	GRD	
175	1.61	GRD	
176	1.11	GRD	
177	2.39	GRD	
178	2.97	GRD	
178	2.97	QFP	
179	19.2	GRD	
180	0.578	GRD	
181	0.449	GRD	
182	0.223	GRD	
183	0.449	GRD	
184	0.164	GRD	
185	0.157	GRD	
186	0.299	GRD	
187	0.254	GRD	
188	0.28	GRD	
189	0.222	GRD	
190	0.3	GRD	
191	0.661	GRD	
192	0.537	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
193	0.528	GRD	
194	0.18	GRD	
195	0.957	GRD	
196	0.578	GRD	
197	0.267	GRD	
198	0.309	GRD	
199	0.192	GRD	
200	1.52	GRD	
201	1.28	GRD	
202	0.623	GRD	
203	0.241	GRD	
204	1.152	GRD	
205	0.357	VOL	
206	2.174	VOL	
207	0.389	VOL	
208	0.439	VOL	
209	0.501	VOL	
210	0.59	VOL	
211	0.308	VOL	
212	0.135	VOL	
213	14.3	VOL	
214	4.5	VOL	
215	0.514	VOL	
216	0.79	VOL	
217	3.87	VOL	
218	1.55	VOL	
219	0.443	VOL	
220	3.37	VOL	
221	28.2	VOL	
222	0.634	VOL	
223	0.44	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
224	0.202	VOL	
225	8.98	VOL	
226	0.695	VOL	
227	0.605	VOL	
228	1.43	VOL	
229	3.75	GRD	
230	18.3	GRD	
231	1.14	GRD	
232	27.1	GRD	
233	10.9	GRD	
234	13.5	GRD	
235	41.4	GRD	
236	1.25	GRD	
237	28.6	GRD	
238	2.14	GRD	
239	9.56	GRD	
240	17.9	GRD	
241	2.16	GRD	
242	1.37	GRD	
243	1.58	GRD	
244	31.8	GRD	
245	18.5	GRD	
246	2.15	GRD	
247	9.23	GRD	
248	1	GRD	
249	1.65	GRD	
250	0.339	GRD	
251	0.484	GRD	
252	0.653	GRD	
253	0.698	GRD	
254	0.936	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
255	1.28	GRD	
256	6.47	GRD	
257	0.769	GRD	
258	0.633	GRD	
259	0.445	GRD	
260	1.3	GRD	
261	1	GRD	
262	1.47	GRD	
263	4.56	GRD	
264	0.77	GRD	
265	2.09	GRD	
266	1.23	GRD	
267	24.8	GRD	
268	25.4	GRD	
269	0.957	GRD	
270	1.84	GRD	
271	1.6	GRD	
272	19.4	GRD	
273	15.8	GRD	
274	1.02	GRD	
275	2.28	GRD	
276	2.22	GRD	
277	0.665	GRD	
278	0.645	GRD	
279	0.409	GRD	
280	0.356	GRD	
281	2.5	GRD	
282	8.39	GRD	
283	16.4	GRD	
284	6.68	GRD	
285	0.678	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
286	0.365	GRD	
287	19.4	GRD	
288	2.21	GRD	
289	13.6	GRD	
290	1.7	GRD	
291	3.78	GRD	
292	20.3	GRD	
293	22.2	GRD	
294	43.8	GRD	
295	22.6	GRD	
296	4.17	GRD	
297	1.26	GRD	
298	37.1	GRD	
299	3.7	GRD	
300	19.4	GRD	
301	19.8	GRD	
302	25.9	GRD	
303	1.64	GRD	
304	1.27	GRD	
305	0.61	GRD	
306	10.4	GRD	
307	1.4	GRD	
308	0.766	GRD	
309	1.69	GRD	
310	8.4	GRD	
311	5.05	GRD	
312	2.37	GRD	
313	3.21	GRD	
314	0.272	GRD	
315	0.518	GRD	
316	0.784	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
317	0.551	GRD	
318	0.512	GRD	
319	0.197	SIL	
320	1.96	SIL	
321	-0.461	SIL	Tungsten in quartz carbonate vein
322	0.667	GRD	
323	0.541	GRD	
324	1.92	GRD	
325	4.86	GRD	
326	1.87	GRD	
327	8.86	GRD	
328	6.76	GRD	
329	1.06	GRD	
330	24.8	GRD	
331	6.29	GRD	
332	32.2	GRD	
333	0.94	GRD	
334	0.867	GRD	
335	6.5	GRD	
336	11.7	GRD	
337	7.89	GRD	
338	7.6	GRD	
339	1.06	GRD	
340	1.27	GRD	
341	4.84	GRD	
342	5.71	GRD	
343	13.3	GRD	
344	9.04	GRD	
345	3.42	GRD	
346	29.9	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
347	2.88	GRD	
348	14.3	GRD	
349	0.413	GRD	
350	1.05	GRD	
351	1.36	GRD	
352	0.804	GRD	
353	1.05	GRD	
354	8.52	GRD	
355	0.328	POR	
356	0.307	POR	
357	0.374	POR	
358	0.179	POR	
359	1.09	POR	
360	0.174	POR	
361	0.177	POR	
362	0.511	POR	
363	1.6	GRD	
364	0.92	GRD	
365	1.28	GRD	
366	26.8	GRD	
367	26.5	GRD	
368	1.46	GRD	
369	2.35	GRD	
370	31	GRD	
371	18.3	GRD	
372	3.71	GRD	
373	0.327	GRD	
374	17.4	GRD	
375	45.1	GRD	
376	0.323	GRD	
377	0.271	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
378	0.324	GRD	
379	0.77	GRD	
380	0.457	GRD	
381	0.221	GRD	
382	1.78	GRD	
383	19.9	GRD	
384	2.48	GRD	
385	0.53	GRD	
386	0.228	GRD	
387	0.769	GRD	
388	0.395	GRD	
389	2.32	GRD	
390	0.649	GRD	
391	2.6	GRD	
392	0.609	GRD	
393	0.728	GRD	
394	17.4	GRD	
395	4.55	GRD	
396	13.8	GRD	
397	8.72	GRD	
398	21.2	GRD	
399	3.96	GRD	
400	0.191	GRD	
401	0.457	GRD	
402	0.48	GRD	
403	0.824	GRD	
404	0.257	GRD	
405	0.542	GRD	
406	13.7	GRD	
407	0.247	GRD	
408	0.284	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
409	0.708	GRD	
410	0.464	GRD	
411	1.85	GRD	
412	0.284	GRD	
413	0.042	SIL	
414	0.063	SIL	
415	0.114	SIL	
416	0.149	SIL	
417	0.048	SIL	
418	0.048	SIL	
419	0.053	SIL	
420	0.326	SIL	
421	0.331	SIL	
422	1.43	GRD	
423	0.652	GRD	
424	0.814	GRD	
425	0.289	GRD	
426	11.8	GRD	
427	26.8	GRD	
428	1.63	GRD	
429	10.1	GRD	
430	0.86	GRD	
431	26.65	GRD	
432	4.789	GRD	
433	4.885	GRD	
434	16.23	GRD	
435	20.86	GRD	
436	0.337	GRD	
437	0.368	GRD	
438	15.8	GRD	
439	2.958	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
440	0.206	GRD	
441	0.434	GRD	
442	0.181	GRD	
443	0.163	GRD	
444	0.168	GRD	
445	0.14	QFP	
446	0.109	QFP	
447	0.164	QFP	
448	0.176	QFP	
449	0.119	QFP	
450	0.146	QFP	
451	0.168	QFP	
452	0.134	QFP	
453	0.246	QFP	
454	0.056	GRD	
454	0.056	QFP	
455	0.393	QFP	
456	0.325	QFP	
457	0.164	QFP	
458	0.523	QFP	
459	0.064	QFP	
460	0.323	QFP	
461	0.215	QFP	
462	0.103	QFP	
463	0.465	QFP	
464	0.232	QFP	
465	0.129	QFP	
466	0.24	GRD	
467	0.452	GRD	
468	0.257	GRD	
469	0.293	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
470	0.267	GRD	
471	10	GRD	
472	0.571	GRD	
473	0.467	GRD	
474	0.326	GRD	
475	0.197	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614325	☐	16-065		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	s047522	☐	16-057		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	s047519	☐	16-057			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	s047509	☐	16-057		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	s047504	☐	16-057			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614376	☐	16-069		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614373	☐	16-069			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614360	☐	16-066		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614349	☐	16-066			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614339	☐	16-066		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	r614202	☐	16-059			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614329	☐	16-065			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614318	☐	16-065			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614232	☐	16-062			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	r614206	☐	16-059		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614211	☐	16-059			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614215	☐	16-059		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614334	☐	16-066			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614229	☐	16-062		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614314	☐	16-065		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614244	☐	16-062		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614274	☐	16-063		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614280	☐	16-063		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614283	☐	16-063			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614287	☐	16-063			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614224	☐	16-062			☑	☐	☐
11.28	14.33	3.05	VOL	3.05	100	s047501	☐	16-057			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
14.33	16.74	2.41	VOL	2.30	95	s047502	☐	16-057			☐	☐	☐
16.74	18.65	1.91	VOL	1.90	99	s047503	☐	16-057			☐	☐	☐
18.65	20.42	1.77	VOL	1.75	99	s047505	☐	16-057			☐	☐	☐
20.42	21.95	1.53	VOL	1.52	99	s047506	☐	16-057			☐	☐	☐
21.95	23.47	1.52	VOL	1.50	99	s047507	☐	16-057			☐	☐	☐
23.47	25.47	2.00	VOL	2.00	100	s047508	☐	16-057			☐	☐	☐
25.47	27.08	1.61	VOL	1.53	95	s047510	☐	16-057			☐	☐	☐
27.08	29.57	2.49	VOL	2.49	100	s047511	☐	16-057			☐	☐	☐
29.57	30.45	0.88	VOL	0.88	100	s047512	☐	16-057			☐	☐	☐
30.45	32.61	2.16	VOL	2.10	97	s047513	☐	16-057			☐	☐	☐
32.61	34.00	1.39	VOL	1.30	94	s047514	☐	16-057			☐	☐	☐
34.00	35.97	1.97	VOL	1.15	58	s047515	☐	16-057			☐	☐	☐
35.97	38.40	2.43	VOL	2.23	92	s047516	☐	16-057			☐	☐	☐
38.40	39.75	1.35	VOL	1.30	96	s047517	☐	16-057			☐	☐	☐
39.75	41.17	1.42	VOL	1.36	96	s047518	☐	16-057			☐	☐	☐
41.17	43.00	1.83	VOL	1.83	100	s047520	☐	16-057			☐	☐	☐
43.00	44.81	1.81	VOL	1.81	100	s047521	☐	16-057			☐	☐	☐
44.81	47.85	3.04	VOL	3.04	100	s047523	☐	16-057			☐	☐	☐
47.85	50.90	3.05	VOL	3.05	100	s047524	☐	16-057			☐	☐	☐
50.90	52.58	1.68	VOL	1.65	98	s047525	☐	16-057			☐	☐	☐
52.58	53.95	1.37	VOL	1.32	96	s047526	☐	16-057			☐	☐	☐
53.95	57.00	3.05	VOL	3.05	100	s047527	☐	16-057			☐	☐	☐
53.95	57.00	3.05	VOL	3.05	100	s047528	☐	16-057			☐	☐	☑
57.00	58.48	1.48	VOL	1.48	100	s047529	☐	16-057			☐	☐	☐
58.48	60.05	1.57	VOL	1.50	96	s047530	☐	16-057			☐	☐	☐
60.05	62.52	2.47	VOL	2.47	100	s047531	☐	16-057			☐	☐	☐
60.05	62.52	2.47	VOL	2.47	100	s047532	☐	16-057			☐	☑	☐
62.52	64.00	1.48	VOL	1.48	100	s047533	☐	16-057			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
64.00	66.14	2.14	VOL	2.00	93	s047534	☐	16-057			☐	☐	☐
66.14	69.19	3.05	VOL	3.05	100	s047535	☐	16-057			☐	☐	☐
69.19	72.24	3.05	VOL	3.05	100	s047536	☐	16-057			☐	☐	☐
72.24	75.29	3.05	VOL	3.05	100	s047537	☐	16-059			☐	☐	☐
75.29	78.33	3.04	VOL, VOL	3.04	100	s047538	☐	16-059			☐	☐	☐
78.33	81.38	3.05	VOL	3.05	100	s047539	☐	16-059			☐	☐	☐
81.38	84.43	3.05	VOL	3.05	100	s047540	☐	16-059			☐	☐	☐
84.43	87.48	3.05	VOL	3.05	100	s047541	☐	16-059			☐	☐	☐
87.48	90.52	3.04	VOL	3.04	100	s047542	☐	16-059			☐	☐	☐
90.52	93.57	3.05	VOL	3.05	100	s047543	☐	16-059			☐	☐	☐
93.57	96.62	3.05	VOL	3.05	100	s047544	☐	16-059			☐	☐	☐
96.62	99.67	3.05	VOL	3.05	100	s047545	☐	16-059			☐	☐	☐
99.67	102.72	3.05	VOL	3.05	100	s047546	☐	16-059			☐	☐	☐
102.72	105.77	3.05	VOL	3.05	100	s047547	☐	16-059			☐	☐	☐
102.72	105.77	3.05	VOL	3.05	100	s047548	☐	16-059			☐	☑	☐
105.77	108.81	3.04	VOL	3.04	100	s047549	☐	16-059			☐	☐	☐
108.81	111.86	3.05	VOL	3.05	100	s047550	☐	16-059			☐	☐	☐
111.86	112.90	1.04	VOL	1.00	96	r614201	☐	16-059			☐	☐	☐
112.90	114.91	2.01	VOL	2.00	100	r614203	☐	16-059			☐	☐	☐
114.91	117.96	3.05	VOL	3.05	100	r614204	☐	16-059			☐	☐	☐
117.96	121.01	3.05	VOL	3.05	100	r614205	☐	16-059			☐	☐	☐
121.01	124.05	3.04	VOL	3.04	100	R614207	☐	16-059			☐	☐	☐
124.05	127.10	3.05	VOL	3.05	100	R614208	☐	16-059			☐	☐	☐
127.10	130.15	3.05	VOL	3.05	100	R614209	☐	16-059			☐	☐	☐
130.15	131.78	1.63	VOL	1.53	94	R614210	☐	16-059			☐	☐	☐
131.78	133.20	1.42	VOL	1.42	100	R614212	☐	16-059			☐	☐	☐
133.20	136.25	3.05	VOL	3.05	100	R614213	☐	16-059			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
136.25	139.29	3.04	VOL, VOL	3.04	100	R614214	☐	16-059			☐	☐	☐
139.29	141.22	1.93	VOL	1.93	100	R614216	☐	16-059			☐	☐	☐
141.22	142.34	1.12	VOL	1.12	100	R614217	☐	16-059			☐	☐	☐
142.34	143.92	1.58	VOL	1.58	100	R614218	☐	16-059			☐	☐	☐
143.92	146.88	2.96	VOL	2.96	100	R614219	☐	16-059			☐	☐	☐
143.92	146.88	2.96	VOL	2.96	100	R614220	☐	16-059			☐	☐	☑
146.88	149.73	2.85	VOL	2.79	98	R614221	☐	16-059			☐	☐	☐
149.73	151.49	1.76	VOL	1.76	100	R614222	☐	16-059			☐	☐	☐
151.49	152.57	1.08	VOL	1.08	100	R614223	☐	16-062			☐	☐	☐
152.57	154.53	1.96	VOL	1.86	95	R614225	☐	16-062			☐	☐	☐
154.53	155.98	1.45	VOL	1.45	100	R614226	☐	16-062			☐	☐	☐
155.98	157.58	1.60	VOL	1.60	100	R614227	☐	16-062			☐	☐	☐
157.58	158.71	1.13	VOL	1.13	100	R614228	☐	16-062			☐	☐	☐
158.71	160.84	2.13	VOL	2.13	100	R614230	☐	16-062			☐	☐	☐
160.84	161.30	0.46	GRD	0.46	100	R614231	☐	16-062			☐	☐	☐
161.30	162.68	1.38	GRD	1.32	96	R614233	☐	16-062			☐	☐	☐
162.68	163.68	1.00	GRD	1.00	100	R614234	☐	16-062			☐	☐	☐
162.68	163.68	1.00	GRD	1.00	100	R614235	☐	16-062			☐	☑	☐
163.68	166.73	3.05	GRD	3.05	100	R614236	☐	16-062			☐	☐	☐
166.73	169.77	3.04	GRD	3.04	100	R614237	☐	16-062			☐	☐	☐
169.77	172.82	3.05	GRD	3.05	100	R614238	☐	16-062			☐	☐	☐
172.82	175.87	3.05	GRD	3.05	100	R614239	☐	16-062			☐	☐	☐
175.87	177.05	1.18	GRD	1.14	97	R614240	☐	16-062			☐	☐	☐
177.05	177.97	0.92	GRD	0.92	100	R614241	☐	16-062			☐	☐	☐
177.97	178.88	0.91	GRD	0.71	78	R614242	☐	16-062			☐	☐	☐
178.88	180.75	1.87	GRD	1.87	100	R614243	☐	16-062			☐	☐	☐
180.75	181.97	1.22	GRD	1.22	100	R614245	☐	16-062			☐	☐	☐
181.97	182.81	0.84	GRD	0.84	100	R614246	☐	16-062			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
182.81	184.00	1.19	GRD	1.19	100	R614247	☐	16-062			☐	☐	☐
184.00	184.76	0.76	GRD	0.76	100	R614248	☐	16-062			☐	☐	☐
184.76	186.11	1.35	GRD	1.35	100	R614249	☐	16-062			☐	☐	☐
186.11	188.06	1.95	GRD	1.95	100	R614250	☐	16-062			☐	☐	☐
188.06	189.24	1.18	GRD	1.18	100	R614251	☐	16-062			☐	☐	☐
189.24	190.67	1.43	GRD	1.29	90	R614252	☐	16-062			☐	☐	☐
190.67	191.49	0.82	GRD	0.82	100	R614253	☐	16-062			☐	☐	☐
191.49	193.70	2.21	GRD	2.21	100	R614254	☐	16-062			☐	☐	☐
191.49	193.70	2.21	GRD	2.21	100	R614255	☐	16-062			☐	☐	☑
193.70	194.91	1.21	GRD	1.21	100	R614256	☐	16-062			☐	☐	☐
194.91	196.00	1.09	GRD	1.09	100	R614257	☐	16-062			☐	☐	☐
196.00	198.17	2.17	GRD	2.17	100	R614258	☐	16-062			☐	☐	☐
198.17	199.72	1.55	GRD	1.55	100	R614259	☐	16-063			☐	☐	☐
199.72	202.00	2.28	GRD	2.28	100	R614260	☐	16-063			☐	☐	☐
202.00	203.30	1.30	GRD	1.30	100	R614261	☐	16-063			☐	☐	☐
203.30	206.35	3.05	GRD	3.05	100	R614262	☐	16-063			☐	☐	☐
206.35	207.35	1.00	VOL	1.00	100	R614263	☐	16-063			☐	☐	☐
206.35	207.35	1.00	VOL	1.00	100	R614264	☐	16-063			☐	☑	☐
207.35	208.41	1.06	VOL	1.05	99	R614265	☐	16-063			☐	☐	☐
208.41	210.00	1.59	VOL	1.59	100	R614266	☐	16-063			☐	☐	☐
210.00	211.00	1.00	VOL	1.00	100	R614267	☐	16-063			☐	☐	☐
211.00	212.45	1.45	VOL	1.45	100	R614268	☐	16-063			☐	☐	☐
212.45	215.49	3.04	VOL	3.04	100	R614269	☐	16-063			☐	☐	☐
215.49	218.54	3.05	VOL	3.05	100	R614270	☐	16-063			☐	☐	☐
218.54	221.59	3.05	VOL	3.05	100	R614271	☐	16-063			☐	☐	☐
221.59	223.14	1.55	VOL	1.55	100	R614301	☐	16-065			☐	☐	☐
223.14	224.64	1.50	VOL	1.50	100	R614272	☐	16-063			☐	☐	☐
224.64	227.69	3.05	VOL	3.05	100	R614273	☐	16-063			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
227.69	230.73	3.04	VOL	3.04	100	R614275	☐	16-063			☐	☐	☐
230.73	233.78	3.05	GRD	3.05	100	R614276	☐	16-063			☐	☐	☐
233.78	236.83	3.05	GRD	3.05	100	R614277	☐	16-063			☐	☐	☐
236.83	239.88	3.05	GRD	3.05	100	R614278	☐	16-063			☐	☐	☐
239.88	242.93	3.05	GRD	3.05	100	R614279	☐	16-063			☐	☐	☐
242.93	245.13	2.20	GRD	2.20	100	R614281	☐	16-063			☐	☐	☐
245.13	246.09	0.96	GRD	0.96	100	R614282	☐	16-063			☐	☐	☐
246.09	247.10	1.01	GRD	1.01	100	R614284	☐	16-063			☐	☐	☐
247.10	249.02	1.92	GRD	1.92	100	R614285	☐	16-063			☐	☐	☐
249.02	250.00	0.98	GRD	0.98	100	R614286	☐	16-063			☐	☐	☐
250.00	252.07	2.07	GRD	2.07	100	R614288	☐	16-063			☐	☐	☐
252.07	255.12	3.05	GRD	3.05	100	R614289	☐	16-063			☐	☐	☐
255.12	258.17	3.05	GRD	3.05	100	R614290	☐	16-063			☐	☐	☐
255.12	258.17	3.05	GRD	3.05	100	R614291	☐	16-063			☐	☐	☑
258.17	261.21	3.04	GRD	3.04	100	R614292	☐	16-063			☐	☐	☐
261.21	264.26	3.05	GRD	3.05	100	R614293	☐	16-063			☐	☐	☐
264.26	267.31	3.05	GRD	3.05	100	R614294	☐	16-063			☐	☐	☐
267.31	270.36	3.05	GRD	3.05	100	R614295	☐	16-065			☐	☐	☐
270.36	273.41	3.05	GRD	3.05	100	R614296	☐	16-065			☐	☐	☐
273.41	276.45	3.04	GRD	3.04	100	R614297	☐	16-065			☐	☐	☐
276.45	279.50	3.05	GRD	3.05	100	R614298	☐	16-065			☐	☐	☐
279.50	282.55	3.05	GRD	3.05	100	R614299	☐	16-065			☐	☐	☐
279.50	282.55	3.05	GRD	3.05	100	R614300	☐	16-065			☐	☐	☑
282.55	285.60	3.05	GRD	3.05	100	R614302	☐	16-065			☐	☐	☐
285.60	288.65	3.05	GRD	3.05	100	R614303	☐	16-065			☐	☐	☐
288.65	291.69	3.04	GRD	3.04	100	R614304	☐	16-065			☐	☐	☐
291.69	294.74	3.05	GRD	3.05	100	R614305	☐	16-065			☐	☐	☐
294.74	297.79	3.05	GRD	3.05	100	R614306	☐	16-065			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
297.79	300.84	3.05	GRD	3.05	100	R614307	☐	16-065			☐	☐	☐
300.84	303.89	3.05	GRD	3.05	100	R614308	☐	16-065			☐	☐	☐
300.84	303.89	3.05	GRD	3.05	100	R614309	☐	16-065			☐	☑	☐
303.89	306.93	3.04	GRD	3.04	100	R614310	☐	16-065			☐	☐	☐
306.93	309.98	3.05	GRD	3.05	100	R614311	☐	16-065			☐	☐	☐
309.98	313.03	3.05	GRD	3.05	100	R614312	☐	16-065			☐	☐	☐
313.03	316.08	3.05	GRD	3.05	100	R614313	☐	16-065			☐	☐	☐
316.08	318.90	2.82	GRD	2.80	99	R614315	☐	16-065			☐	☐	☐
318.90	320.70	1.80	GRD, SIL	1.80	100	R614316	☐	16-065			☐	☐	☐
320.70	321.20	0.50	SIL	0.50	100	R614317	☐	16-065			☐	☐	☐
321.20	322.17	0.97	SIL	0.95	98	R614319	☐	16-065			☐	☐	☐
322.17	325.22	3.05	GRD	3.05	100	R614320	☐	16-065			☐	☐	☐
325.22	328.27	3.05	GRD	3.05	100	R614321	☐	16-065			☐	☐	☐
328.27	331.32	3.05	GRD	3.05	100	R614322	☐	16-065			☐	☐	☐
331.32	334.37	3.05	GRD	3.05	100	R614323	☐	16-065			☐	☐	☐
334.37	337.41	3.04	GRD	3.04	100	R614324	☐	16-065			☐	☐	☐
337.41	340.46	3.05	GRD	3.05	100	R614326	☐	16-065			☐	☐	☐
340.46	343.51	3.05	GRD	3.05	100	R614327	☐	16-065			☐	☐	☐
343.51	346.56	3.05	GRD	3.05	100	R614328	☐	16-065			☐	☐	☐
346.56	349.61	3.05	GRD	3.05	100	R614330	☐	16-065			☐	☐	☐
349.61	352.65	3.04	GRD	3.04	100	R614331	☐	16-066			☐	☐	☐
352.65	354.74	2.09	GRD	2.09	100	R614332	☐	16-066			☐	☐	☐
354.74	355.74	1.00	GRD, POR	1.00	100	R614333	☐	16-066			☐	☐	☐
355.74	358.75	3.01	POR	3.01	100	R614335	☐	16-066			☐	☐	☐
358.75	361.80	3.05	POR	3.05	100	R614336	☐	16-066			☐	☐	☐
361.80	364.85	3.05	POR	3.05	100	R614337	☐	16-066			☐	☐	☐
364.85	367.89	3.04	GRD	3.04	100	R614338	☐	16-066			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
367.89	370.94	3.05	GRD	3.05	100	R614340	☐	16-066		KL-STD6	☐	☐	☐
370.94	372.26	1.32	GRD	1.20	91	R614341	☐	16-066			☐	☐	☐
372.26	373.99	1.73	GRD	1.71	99	R614342	☐	16-066			☐	☐	☐
373.99	377.04	3.05	GRD	3.05	100	R614343	☐	16-066			☐	☐	☐
377.04	380.09	3.05	GRD	3.05	100	R614344	☐	16-066			☐	☐	☐
377.04	380.09	3.05	GRD	3.05	100	R614345	☐	16-066			☐	☐	☑
380.09	383.13	3.04	GRD	3.04	100	R614346	☐	16-066			☐	☐	☐
383.13	386.18	3.05	GRD	3.05	100	R614347	☐	16-066			☐	☐	☐
386.18	387.18	1.00	GRD	1.00	100	R614348	☐	16-066			☐	☐	☐
387.18	389.23	2.05	GRD	2.01	98	R614350	☐	16-066			☐	☐	☐
389.23	392.28	3.05	GRD	3.05	100	R614351	☐	16-066			☐	☐	☐
392.28	393.28	1.00	GRD	1.00	100	R614352	☐	16-066			☐	☐	☐
393.28	395.33	2.05	GRD	2.05	100	R614353	☐	16-066			☐	☐	☐
393.28	395.33	2.05	GRD	2.05	100	R614354	☐	16-066			☐	☑	☐
395.33	398.37	3.04	GRD	3.04	100	R614355	☐	16-066			☐	☐	☐
398.37	401.42	3.05	GRD	3.05	100	R614356	☐	16-066			☐	☐	☐
401.42	402.47	1.05	GRD	1.00	95	R614357	☐	16-066			☐	☐	☐
402.47	404.47	2.00	GRD	2.00	100	R614358	☐	16-066			☐	☐	☐
404.47	407.40	2.93	GRD	2.90	99	R614359	☐	16-066			☐	☐	☐
407.40	409.00	1.60	GRD	1.60	100	R614361	☐	16-066			☐	☐	☐
409.00	410.57	1.57	GRD	1.57	100	R614362	☐	16-066			☐	☐	☐
410.57	413.00	2.43	GRD	2.43	100	R614363	☐	16-066			☐	☐	☐
413.00	416.00	3.00	SIL	3.00	100	R614364	☐	16-066			☐	☐	☐
416.00	419.30	3.30	SIL	3.30	100	R614365	☐	16-066			☐	☐	☐
419.30	420.30	1.00	SIL	1.00	100	R614366	☐	16-066			☐	☐	☐
420.30	422.76	2.46	SIL	2.46	100	R614367	☐	16-069			☐	☐	☐
422.76	425.81	3.05	GRD	3.05	100	R614368	☐	16-069			☐	☐	☐
425.81	428.85	3.04	GRD	3.04	100	R614369	☐	16-069			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
428.85	431.90	3.05	GRD	3.05	100	R614370	☐	16-069			☐	☐	☐
431.90	434.95	3.05	GRD	3.05	100	R614371	☐	16-069			☐	☐	☐
434.95	436.55	1.60	GRD	1.60	100	R614372	☐	16-069			☐	☐	☐
436.55	438.00	1.45	GRD	1.45	100	R614374	☐	16-069			☐	☐	☐
438.00	440.00	2.00	GRD	2.00	100	R614375	☐	16-069			☐	☐	☐
440.00	441.05	1.05	GRD	1.05	100	R614377	☐	16-069			☐	☐	☐
441.05	443.25	2.20	GRD	2.20	100	R614378	☐	16-069			☐	☐	☐
443.25	445.00	1.75	GRD	1.75	100	R614379	☐	16-069			☐	☐	☐
443.25	445.00	1.75	GRD	1.75	100	R614380	☐	16-069			☐	☑	☐
445.00	447.14	2.14	QFP	1.14	53	R614381	☐	16-069			☐	☐	☐
447.14	450.19	3.05	QFP	3.05	100	R614382	☐	16-069			☐	☐	☐
450.19	453.24	3.05	QFP	3.05	100	R614383	☐	16-069			☐	☐	☐
453.24	454.03	0.79	QFP	0.71	90	R614384	☐	16-069			☐	☐	☐
454.03	456.29	2.26	QFP	2.20	97	R614385	☐	16-069			☐	☐	☐
456.29	459.33	3.04	QFP	3.04	100	R614386	☐	16-069			☐	☐	☐
459.33	462.38	3.05	QFP	3.05	100	R614387	☐	16-069			☐	☐	☐
462.38	465.43	3.05	QFP	3.05	100	R614388	☐	16-069			☐	☐	☐
465.43	468.48	3.05	QFP, GRD	3.05	100	R614389	☐	16-069			☐	☐	☐
468.48	471.53	3.05	GRD	3.05	100	R614390	☐	16-069			☐	☐	☐
471.53	474.10	2.57	GRD	2.53	98	R614391	☐	16-069			☐	☐	☐
474.10	475.73	1.63	GRD	1.60	98	R614392	☐	16-069			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	11.28			☐	☐	☐	☐	
16-065	R614314	0.00	0.00	0.82	970	☐	☐	☐	☑ KL-STD5	
16-065	R614318	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-065	R614325	0.00	0.00	0.83	980	☐	☐	☐	☑ KL-STD5	
16-065	R614329	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-069	R614373	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-069	R614376	0.00	0.00	4.42	1320	☐	☐	☐	☑ KL-STD1	
16-062	R614224	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-062	R614229	0.00	0.00	4.41	430	☐	☐	☐	☑ KL-STD1	
16-062	R614232	0.00	0.00	0.01	20	☐	☐	☑	☐	
16-062	R614244	0.00	0.00	0.86	460	☐	☐	☐	☑ KL-STD5	
16-057	S047504	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-057	S047509	0.00	0.00	0.36	540	☐	☐	☐	☑ KL-STD4	
16-057	S047519	0.00	0.00	0.00	20	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-057	S047522	0.00	0.00	1.73	1080	☐	☐	☐	☑ KL-STD6	
16-059	R614202	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-059	R614206	0.00	0.00	0.87	1080	☐	☐	☐	☑ KL-STD5	
16-059	R614211	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-059	R614215	0.00	0.00	0.39	640	☐	☐	☐	☑ KL-STD4	
16-063	R614274	0.00	0.00	0.80	360	☐	☐	☐	☑ KL-STD5	
16-063	R614280	0.00	0.00	0.36	330	☐	☐	☐	☑ KL-STD4	
16-063	R614283	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-063	R614287	0.00	0.00	0.00	80	☐	☐	☑	☐	
16-066	R614334	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-066	R614339	0.00	0.00	1.80	310	☐	☐	☐	☑ KL-STD6	
16-066	R614349	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-066	R614360	0.00	0.00	0.34	730	☐	☐	☐	☑ KL-STD4	
16-057	S047501	11.28	14.33	0.04	1200	☐	☐	☐	☐	
16-057	S047502	14.33	16.74	0.04	1040	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-057	S047503	16.74	18.65	0.08	920	☐	☐	☐	☐	
16-057	S047505	18.65	20.42	0.08	1130	☐	☐	☐	☐	
16-057	S047506	20.42	21.95	0.04	1120	☐	☐	☐	☐	
16-057	S047507	21.95	23.47	0.07	960	☐	☐	☐	☐	
16-057	S047508	23.47	25.47	0.05	1720	☐	☐	☐	☐	
16-057	S047510	25.47	27.08	0.12	1450	☐	☐	☐	☐	
16-057	S047511	27.08	29.57	0.27	1550	☐	☐	☐	☐	
16-057	S047512	29.57	30.45	0.37	1370	☐	☐	☐	☐	
16-057	S047513	30.45	32.61	0.03	1350	☐	☐	☐	☐	
16-057	S047514	32.61	34.00	5.90	200	☐	☐	☐	☐	
16-057	S047515	34.00	35.97	0.07	780	☐	☐	☐	☐	
16-057	S047516	35.97	38.40	0.08	1020	☐	☐	☐	☐	
16-057	S047517	38.40	39.75	0.07	770	☐	☐	☐	☐	
16-057	S047518	39.75	41.17	10.55	630	☐	☐	☐	☐	
16-057	S047520	41.17	43.00	0.05	1280	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-057	S047521	43.00	44.81	0.07	1680	☐	☐	☐	☐	
16-057	S047523	44.81	47.85	0.06	1480	☐	☐	☐	☐	
16-057	S047524	47.85	50.90	0.05	1190	☐	☐	☐	☐	
16-057	S047525	50.90	52.58	0.06	1060	☐	☐	☐	☐	
16-057	S047526	52.58	53.95	0.20	630	☐	☐	☐	☐	
16-057	S047527	53.95	57.00	0.58	1150	☐	☐	☐	☐	
16-057	S047528	53.95	57.00	0.26	1310	☐	☑	☐	☐	
16-057	S047529	57.00	58.48	7.74	80	☐	☐	☐	☐	
16-057	S047530	58.48	60.05	0.08	2020	☐	☐	☐	☐	
16-057	S047531	60.05	62.52	0.22	2040	☐	☐	☐	☐	
16-057	S047532	60.05	62.52	0.25	1990	☑	☐	☐	☐	
16-057	S047533	62.52	64.00	0.25	2010	☐	☐	☐	☐	
16-057	S047534	64.00	66.14	0.14	2060	☐	☐	☐	☐	
16-057	S047535	66.14	69.19	0.18	1770	☐	☐	☐	☐	
16-057	S047536	69.19	72.24	0.07	1480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-059	S047537	72.24	75.29	0.08	1190	☐	☐	☐	☐	
16-059	S047538	75.29	78.33	0.02	1520	☐	☐	☐	☐	
16-059	S047539	78.33	81.38	0.05	1560	☐	☐	☐	☐	
16-059	S047540	81.38	84.43	0.02	430	☐	☐	☐	☐	
16-059	S047541	84.43	87.48	0.01	1350	☐	☐	☐	☐	
16-059	S047542	87.48	90.52	0.02	490	☐	☐	☐	☐	
16-059	S047543	90.52	93.57	0.02	410	☐	☐	☐	☐	
16-059	S047544	93.57	96.62	0.01	440	☐	☐	☐	☐	
16-059	S047545	96.62	99.67	0.09	510	☐	☐	☐	☐	
16-059	S047546	99.67	102.72	0.66	560	☐	☐	☐	☐	
16-059	S047547	102.72	105.77	0.03	690	☐	☐	☐	☐	
16-059	S047548	102.72	105.77	0.03	610	☑	☐	☐	☐	
16-059	S047549	105.77	108.81	0.02	520	☐	☐	☐	☐	
16-059	S047550	108.81	111.86	0.07	470	☐	☐	☐	☐	
16-059	R614201	111.86	112.90	0.12	500	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-059	R614203	112.90	114.91	0.02	600	☐	☐	☐	☐	
16-059	R614204	114.91	117.96	0.25	580	☐	☐	☐	☐	
16-059	R614205	117.96	121.01	0.05	710	☐	☐	☐	☐	
16-059	R614207	121.01	124.05	0.04	780	☐	☐	☐	☐	
16-059	R614208	124.05	127.10	0.04	540	☐	☐	☐	☐	
16-059	R614209	127.10	130.15	0.32	500	☐	☐	☐	☐	
16-059	R614210	130.15	131.78	0.55	170	☐	☐	☐	☐	
16-059	R614212	131.78	133.20	0.03	1320	☐	☐	☐	☐	
16-059	R614213	133.20	136.25	0.01	1090	☐	☐	☐	☐	
16-059	R614214	136.25	139.29	0.02	1530	☐	☐	☐	☐	
16-059	R614216	139.29	141.22	0.02	730	☐	☐	☐	☐	
16-059	R614217	141.22	142.34	0.08	480	☐	☐	☐	☐	
16-059	R614218	142.34	143.92	0.08	640	☐	☐	☐	☐	
16-059	R614219	143.92	146.88	0.06	1180	☐	☐	☐	☐	
16-059	R614220	143.92	146.88	0.03	1200	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-059	R614221	146.88	149.73	0.07	1080	☐	☐	☐	☐	
16-059	R614222	149.73	151.49	0.02	1070	☐	☐	☐	☐	
16-062	R614223	151.49	152.57	0.24	80	☐	☐	☐	☐	
16-062	R614225	152.57	154.53	0.09	440	☐	☐	☐	☐	
16-062	R614226	154.53	155.98	0.06	910	☐	☐	☐	☐	
16-062	R614227	155.98	157.58	0.14	1200	☐	☐	☐	☐	
16-062	R614228	157.58	158.71	0.86	130	☐	☐	☐	☐	
16-062	R614230	158.71	160.84	0.01	1990	☐	☐	☐	☐	
16-062	R614231	160.84	161.30	3.33	330	☐	☐	☐	☐	
16-062	R614233	161.30	162.68	0.03	970	☐	☐	☐	☐	
16-062	R614234	162.68	163.68	0.01	1580	☐	☐	☐	☐	
16-062	R614235	162.68	163.68	0.01	1580	☑	☐	☐	☐	
16-062	R614236	163.68	166.73	0.13	1280	☐	☐	☐	☐	
16-062	R614237	166.73	169.77	0.02	1480	☐	☐	☐	☐	
16-062	R614238	169.77	172.82	0.10	510	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-062	R614239	172.82	175.87	0.02	1400	☐	☐	☐	☐	
16-062	R614240	175.87	177.05	0.02	1230	☐	☐	☐	☐	
16-062	R614241	177.05	177.97	0.03	1420	☐	☐	☐	☐	
16-062	R614242	177.97	178.88	0.02	110	☐	☐	☐	☐	
16-062	R614243	178.88	180.75	0.04	1140	☐	☐	☐	☐	
16-062	R614245	180.75	181.97	0.04	1220	☐	☐	☐	☐	
16-062	R614246	181.97	182.81	0.61	70	☐	☐	☐	☐	
16-062	R614247	182.81	184.00	0.38	70	☐	☐	☐	☐	
16-062	R614248	184.00	184.76	0.14	150	☐	☐	☐	☐	
16-062	R614249	184.76	186.11	0.40	180	☐	☐	☐	☐	
16-062	R614250	186.11	188.06	0.11	60	☐	☐	☐	☐	
16-062	R614251	188.06	189.24	0.34	50	☐	☐	☐	☐	
16-062	R614252	189.24	190.67	0.09	530	☐	☐	☐	☐	
16-062	R614253	190.67	191.49	0.13	310	☐	☐	☐	☐	
16-062	R614254	191.49	193.70	0.04	710	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-062	R614255	191.49	193.70	0.04	850	☐	☑	☐	☐	
16-062	R614256	193.70	194.91	0.09	190	☐	☐	☐	☐	
16-062	R614257	194.91	196.00	0.17	140	☐	☐	☐	☐	
16-062	R614258	196.00	198.17	0.04	780	☐	☐	☐	☐	
16-063	R614259	198.17	199.72	0.03	830	☐	☐	☐	☐	
16-063	R614260	199.72	202.00	0.01	790	☐	☐	☐	☐	
16-063	R614261	202.00	203.30	0.04	880	☐	☐	☐	☐	
16-063	R614262	203.30	206.35	0.02	1280	☐	☐	☐	☐	
16-063	R614263	206.35	207.35	0.01	1500	☐	☐	☐	☐	
16-063	R614264	206.35	207.35	0.01	1460	☑	☐	☐	☐	
16-063	R614265	207.35	208.41	0.02	460	☐	☐	☐	☐	
16-063	R614266	208.41	210.00	0.05	930	☐	☐	☐	☐	
16-063	R614267	210.00	211.00	0.63	580	☐	☐	☐	☐	
16-063	R614268	211.00	212.45	0.01	390	☐	☐	☐	☐	
16-063	R614269	212.45	215.49	0.00	1770	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-063	R614270	215.49	218.54	0.01	1660	☐	☐	☐	☐	
16-063	R614271	218.54	221.59	0.27	700	☐	☐	☐	☐	
16-065	R614301	221.59	223.14	0.02	1310	☐	☐	☐	☐	
16-063	R614272	223.14	224.64	0.03	1100	☐	☐	☐	☐	
16-063	R614273	224.64	227.69	0.01	1370	☐	☐	☐	☐	
16-063	R614275	227.69	230.73	0.01	1340	☐	☐	☐	☐	
16-063	R614276	230.73	233.78	0.01	1470	☐	☐	☐	☐	
16-063	R614277	233.78	236.83	0.05	1440	☐	☐	☐	☐	
16-063	R614278	236.83	239.88	0.00	1350	☐	☐	☐	☐	
16-063	R614279	239.88	242.93	0.01	1210	☐	☐	☐	☐	
16-063	R614281	242.93	245.13	0.03	1170	☐	☐	☐	☐	
16-063	R614282	245.13	246.09	0.08	200	☐	☐	☐	☐	
16-063	R614284	246.09	247.10	0.04	1320	☐	☐	☐	☐	
16-063	R614285	247.10	249.02	0.04	1340	☐	☐	☐	☐	
16-063	R614286	249.02	250.00	0.80	70	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-063	R614288	250.00	252.07	0.10	1090	☐	☐	☐	☐	
16-063	R614289	252.07	255.12	0.07	1280	☐	☐	☐	☐	
16-063	R614290	255.12	258.17	0.05	1260	☐	☐	☐	☐	
16-063	R614291	255.12	258.17	0.05	1240	☐	☑	☐	☐	
16-063	R614292	258.17	261.21	0.02	1330	☐	☐	☐	☐	
16-063	R614293	261.21	264.26	0.05	1270	☐	☐	☐	☐	
16-063	R614294	264.26	267.31	0.01	1410	☐	☐	☐	☐	
16-065	R614295	267.31	270.36	0.01	1290	☐	☐	☐	☐	
16-065	R614296	270.36	273.41	0.02	1440	☐	☐	☐	☐	
16-065	R614297	273.41	276.45	0.01	1140	☐	☐	☐	☐	
16-065	R614298	276.45	279.50	0.03	1020	☐	☐	☐	☐	
16-065	R614299	279.50	282.55	0.04	770	☐	☐	☐	☐	
16-065	R614300	279.50	282.55	0.03	1090	☐	☑	☐	☐	
16-065	R614302	282.55	285.60	0.02	1350	☐	☐	☐	☐	
16-065	R614303	285.60	288.65	0.02	1320	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-065	R614304	288.65	291.69	0.01	1340	☐	☐	☐	☐	
16-065	R614305	291.69	294.74	0.01	1380	☐	☐	☐	☐	
16-065	R614306	294.74	297.79	0.01	1300	☐	☐	☐	☐	
16-065	R614307	297.79	300.84	0.03	1330	☐	☐	☐	☐	
16-065	R614308	300.84	303.89	0.02	1340	☐	☐	☐	☐	
16-065	R614309	300.84	303.89	0.01	1260	☑	☐	☐	☐	
16-065	R614310	303.89	306.93	0.02	1370	☐	☐	☐	☐	
16-065	R614311	306.93	309.98	0.02	1040	☐	☐	☐	☐	
16-065	R614312	309.98	313.03	0.01	1340	☐	☐	☐	☐	
16-065	R614313	313.03	316.08	0.03	1020	☐	☐	☐	☐	
16-065	R614315	316.08	318.90	0.04	430	☐	☐	☐	☐	
16-065	R614316	318.90	320.70	0.00	440	☐	☐	☐	☐	
16-065	R614317	320.70	321.20	0.01	400	☐	☐	☐	☐	instructions for Tungsten
16-065	R614319	321.20	322.17	0.02	1430	☐	☐	☐	☐	
16-065	R614320	322.17	325.22	0.02	1220	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-065	R614321	325.22	328.27	0.03	1410	☐	☐	☐	☐	
16-065	R614322	328.27	331.32	0.02	1320	☐	☐	☐	☐	
16-065	R614323	331.32	334.37	0.01	1220	☐	☐	☐	☐	
16-065	R614324	334.37	337.41	0.02	1300	☐	☐	☐	☐	
16-065	R614326	337.41	340.46	0.03	960	☐	☐	☐	☐	
16-065	R614327	340.46	343.51	0.03	1260	☐	☐	☐	☐	
16-065	R614328	343.51	346.56	0.02	1300	☐	☐	☐	☐	
16-065	R614330	346.56	349.61	0.07	930	☐	☐	☐	☐	
16-066	R614331	349.61	352.65	0.02	780	☐	☐	☐	☐	
16-066	R614332	352.65	354.74	0.03	970	☐	☐	☐	☐	
16-066	R614333	354.74	355.74	0.10	600	☐	☐	☐	☐	
16-066	R614335	355.74	358.75	0.03	520	☐	☐	☐	☐	
16-066	R614336	358.75	361.80	0.02	640	☐	☐	☐	☐	
16-066	R614337	361.80	364.85	0.13	890	☐	☐	☐	☐	
16-066	R614338	364.85	367.89	0.04	1270	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-066	R614340	367.89	370.94	0.01	1160	☐	☐	☐	☐ KL-STD6	
16-066	R614341	370.94	372.26	0.05	180	☐	☐	☐	☐	
16-066	R614342	372.26	373.99	0.02	1430	☐	☐	☐	☐	
16-066	R614343	373.99	377.04	0.07	1200	☐	☐	☐	☐	
16-066	R614344	377.04	380.09	0.08	1030	☐	☐	☐	☐	
16-066	R614345	377.04	380.09	0.07	1170	☐	☑	☐	☐	
16-066	R614346	380.09	383.13	0.01	1220	☐	☐	☐	☐	
16-066	R614347	383.13	386.18	0.07	1210	☐	☐	☐	☐	
16-066	R614348	386.18	387.18	0.02	1020	☐	☐	☐	☐	
16-066	R614350	387.18	389.23	0.01	880	☐	☐	☐	☐	
16-066	R614351	389.23	392.28	0.02	1120	☐	☐	☐	☐	
16-066	R614352	392.28	393.28	0.03	160	☐	☐	☐	☐	
16-066	R614353	393.28	395.33	0.02	960	☐	☐	☐	☐	
16-066	R614354	393.28	395.33	0.02	920	☑	☐	☐	☐	
16-066	R614355	395.33	398.37	0.03	1020	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-066	R614356	398.37	401.42	0.02	980	☐	☐	☐	☐	
16-066	R614357	401.42	402.47	0.08	200	☐	☐	☐	☐	
16-066	R614358	402.47	404.47	0.05	1040	☐	☐	☐	☐	
16-066	R614359	404.47	407.40	0.03	1090	☐	☐	☐	☐	
16-066	R614361	407.40	409.00	0.08	380	☐	☐	☐	☐	
16-066	R614362	409.00	410.57	0.01	570	☐	☐	☐	☐	
16-066	R614363	410.57	413.00	0.01	790	☐	☐	☐	☐	
16-066	R614364	413.00	416.00	0.00	320	☐	☐	☐	☐	
16-066	R614365	416.00	419.30	0.00	350	☐	☐	☐	☐	
16-066	R614366	419.30	420.30	0.07	990	☐	☐	☐	☐	
16-069	R614367	420.30	422.76	0.05	1030	☐	☐	☐	☐	
16-069	R614368	422.76	425.81	0.01	1030	☐	☐	☐	☐	
16-069	R614369	425.81	428.85	0.01	1100	☐	☐	☐	☐	
16-069	R614370	428.85	431.90	0.12	1000	☐	☐	☐	☐	
16-069	R614371	431.90	434.95	0.04	1110	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-069	R614372	434.95	436.55	0.12	880	☐	☐	☐	☐	
16-069	R614374	436.55	438.00	0.01	1170	☐	☐	☐	☐	
16-069	R614375	438.00	440.00	0.02	1240	☐	☐	☐	☐	
16-069	R614377	440.00	441.05	0.03	360	☐	☐	☐	☐	
16-069	R614378	441.05	443.25	0.02	390	☐	☐	☐	☐	
16-069	R614379	443.25	445.00	0.03	1280	☐	☐	☐	☐	
16-069	R614380	443.25	445.00	0.02	1240	☑	☐	☐	☐	
16-069	R614381	445.00	447.14	0.02	1800	☐	☐	☐	☐	
16-069	R614382	447.14	450.19	0.02	1800	☐	☐	☐	☐	
16-069	R614383	450.19	453.24	0.01	1450	☐	☐	☐	☐	
16-069	R614384	453.24	454.03	0.18	900	☐	☐	☐	☐	
16-069	R614385	454.03	456.29	0.01	1830	☐	☐	☐	☐	
16-069	R614386	456.29	459.33	0.01	1400	☐	☐	☐	☐	
16-069	R614387	459.33	462.38	0.01	1180	☐	☐	☐	☐	
16-069	R614388	462.38	465.43	0.02	840	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-069	R614389	465.43	468.48	0.02	810	☐	☐	☐	☐	
16-069	R614390	468.48	471.53	0.03	750	☐	☐	☐	☐	
16-069	R614391	471.53	474.10	0.01	930	☐	☐	☐	☐	
16-069	R614392	474.10	475.73	0.02	1060	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
16.90	17.02	VN	37	60	NUL	1	brecciated carbonate vein hosting trace disseminated pyrite.			
								Py	0.1	DI
18.00	18.56	VN	37	70	NUL	1	Strongly oxidized and gougy breccia structure with pyrite banded veinlets throughout. Very strong clay gouge representing breccia matrix. Breccia clasts composed of volcanic unit.			
								Py	1	BN
21.95	22.07	VN	37	70	NUL	1	Carbonate vein hosting semi massive to blebby pyrite.			
								Py	20	MA
25.00	25.29	VN	37	75	NUL	1	milky quartz vein with black flecks of an unidentified mineral.			
29.88	29.99	VN	37	70	NUL	1	Carbonate vein hosting semi massive to blebby pyrite.			
								Py	10	MA
32.88	32.50	VB	37	-	NUL	1	Strongly oxidized and gougy breccia structure with pyrite banded veinlets throughout. Very strong clay gouge representing breccia matrix. Breccia clasts composed of volcanic unit.			
								Py	2	BN
								Py	1	DI
40.80	41.10	VB	37	-	NUL	1	very strongly serecitized massive to semi massive pyrite vein hosted in a strong clay gouge unit.			
								Py	30	MA
								Se	50	MA
57.60	57.86	VN	37	35	NUL	1	sericitized pyrite vein hosting disseminated galena and sphalerite. Very gougy on selvages.			
								Gn	0.5	DI
								Py	30	MA
								Sp	0.5	DI
73.00	74.83	VN	37	70	NUL	6	massive to semi massive pyrite veins and veinlets hosting gouge material. Strong sericite alteration on selvages. Disseminated pyrite mineralization throughout zone.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
112.50	112.60	VN	37	45	NUL	1	semi massive pyrite vein interwoven with carbonate material. Slightly pink. Strong disseminated pyrite in phyllic altered halo.			
113.92	314.00	VB	37	60	NUL	1	quartz carbonate vein. Strongly brecciated by clear quartz. Very small and rounded carbonate clasts.			
130.20	130.23	VN	37	70	NUL	1	banded carbonate and semi massive pyrite vein. Milky quartz hosted thoughout.			
								Py	10	MA
131.20	131.35	VN	37	70	NUL	1	Very vuggy quartz vein hosting blebby pyrite. Large, well developed quartz crystals in vugs.			
								Py	5	BL
143.80	144.00	VN	37	70	NUL	1	Milky quartz vein hosting banded pyrite stringers and disseminated pyrite along milky quartz margins. Some small breccia veinlets crosscut the quartz vein.			
								Py	3	BL
150.00	152.30	VN	37	60	NUL	6	Numerous pyrite and quartz veins with well developed phyllic altered halos hosting pervasive pyrite. Veins range from 1 - 6 cm. Selvages of the larger veins host 0.5 cm gouge zones. Trace blebby chalcopyrite in better developed veins.			
								Cp	0.1	BL
								Py	1	DI
								Py	3	BL
155.50	155.60	VB	37	65	NUL	1	Black matrix breccia vein supporting large strongly altered clasts of GRD/VOL.			
161.00	161.15	VN	37	45	NUL	1	milky quartz vein hosting massive chalcopyrite, galena, sphalerite and disseminatred arsenopyrite. Uphole contact comprised of 5 cm of gouge hosting disseminated pyrite and carbonate material.			
								As	1	DI
								Cp	20	MA
								Py	5	DI
								Gn	10	MA
								Sp	10	MA
176.50	176.60	VB	37	50	NUL	1	Carbonate/quartz breccia.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
181.00	186.00	VN	37	30	NUL	5	very low angle sericite/pyrite gouge veins. Semi massive to massive pyrite. Largest vein is 10 cm wide. No other minerals identified other than pyrite and sericite. Pervasive pyrite throughout zone. Rock is competent and extremely altered. Vein contacts are gradational with host rock.			
								Py	10	MA
								Py	20	DI
189.00	189.05	VN	37	75	NUL	1	Banded milky quartz vein and semi massive pyrite.			
								Py	40	MA
198.66	199.66	VB	37	`10	NUL	1	Black matric breccia oriented sub parallel to core axis. Breccia infilled with carbonate veinlets in some areas. Where carbonate veinlets are present, strong disseminated pyrite exists.			
								Py	1	DI
207.31	207.70	VN	37	80	NUL	1	Milky quartz/carbonate vein/breccia zone. Weak pyrite mineralization (disseminated).			
								Py	3	DI
210.39	210.54	VN	37	75	NUL	1	Gouge/pyrite vein hosting semi massive pyrite.			
								Py	15	MA
223.80	224.00	VN	37	65	NUL	1	carbonate breccia vein. Black matric breccia at downhole contact. Hosting disseminated pyrite and brecciated blebby pyrite clasts.			
								Py	1	DI
								Py	5	BL
225.29	225.40	VN	37	40	NUL	3	low angle pyrite veins 1 to 4 cm wide.			
								Py	60	MA
227.75	227.85	VN	37	65	NUL	1	Gouge/pyrite vein hosting semi massive pyrite.			
								Py	15	MA
249.65	249.95	VN	37	60	NUL	1	Semi massive pyrite vein crackled with milky quartz infill. Blebby sphalerite present. Very silicious vein.			
								Py	60	MA
								Sp	2	BL
320.95	321.00	VN	37	65	NUL	1	Quartz carbonate vein hosting extremely hard silver mineral with similar properties and appearance to steel. Tungsten			
								Un	15	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
322.95	323.02	VN	37	50	NUL	1	Quartz vein hosting semi massive to massive pyrite. Trace blebby chalcopyrite.			
								Cp	0.1	BL
								Py	30	MA
331.14	331.21	VN	37	70	NUL	1	Quartz vein hosting semi massive blebby pyrite.			
								Py	30	BL
332.95	333.02	VN	37	70	NUL	1	Quartz vein hosting semi massive blebby pyrite.			
								Py	30	BL
338.43	340.46	VN	37	05	NUL	1	quartz carbonate vein hosting massive pyrite veins and veinlets oriented parallel to core axis. Carbonate is bright pink. Rhodochrosite?			
								Py	15	MA
348.95	349.00	VN	37	70	NUL	1	Quartz carbonate vein hosting seim massive pyrite and trace disseminated chalcopyrite.			
								Py	40	MA
								Cp	0.1	DI
352.50	352.55	VN	37	70	NUL	1	Quartz carbonate vein hosting seim massive pyrite and trace disseminated chalcopyrite.			
								Cp	0.1	DI
								Py	30	MA
355.55	355.62	VN	37	50	NUL	1	Milky quartz vein hosting blebby pyrite and chalcopyrite. Significant chalcopyrite present. Pink carbonate blebs in vein.			
								Py	20	BL
								Cp	5	BL
362.07	362.10	VN	37	50	NUL	1	Quartz and calcite vein hosting pyrite stringer on uphole selvage.			
								Py	15	MA
371.85	372.12	VN	37	30	NUL	1	Very low angle semi massive pyrite vein hosting large blebs of chalcopyrite			
								Py	75	MA
								Cp	10	BL
386.18	386.38	VN	37	70	NUL	6	A series of quartz carbonate veins 1-3 cm wide hosting blebby pyrite.			
								Py	10	BL
392.40	392.45	VN	37	75	NUL	1	massive pyrite vein hosting quartz fragments.			
								Py	90	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
401.85	401.90	VN	37	60	NUL	1	Quartz vein hosting massive pyrite. 50/50 quartz and pyrite.			
								Py	50	MA
407.49	407.55	VN	37	60	NUL	1	quartz vein hosting abundant blebby pyrite.			
								Py	30	BL
423.96	424.00	VN	37	70	NUL	1	massive pyrite vein.			
								Py	90	MA
425.29	429.10	VN	37	70	NUL	1	A series of 5 aplite dykes. Parallel to each other.			
435.51	436.00	VN	37	60	NUL	3	3 quartz veins hosting blebby pyrite, molybdenum and chalcopyrite. Milky and smokey quartz present. Smokey quartz brecciated by milky quartz. Smokey quartz clasts have very sharp edges and have not moved far.			
								Cp	1	BL
								Mo	1	BL
								Py	20	BL
440.10	440.25	VN	37	60	NUL	1	large quartz vein hosting disseminated to blebby pyrite. Abundant disseminated pyrite in alteration halos around vein selvages.			
								Py	20	BL
442.15	442.25	VN	37	70	NUL	1	Milky and clear quartz vein hosting blebby pyrite and some blebby chalcopyrite.			
								Cp	1	BL
								Py	10	BL
453.24	453.34	VN	37	75	NUL	1	Gougy vein hosting black carbonate material and milky quartz clasts. Trace disseminated pyrite.			
								Py	0.5	DI
474.25	474.30	VN	37	70	NUL	1	Massive pyrite vein. Quartz along selvages.			
								Py	80	MA
475.02	475.10	VN	37	70	NUL	1	Massive pyrite vein. Quartz along selvages.			
								Py	80	MA

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383059	6890074	1359.98	188

ZONE: Central Klaza

SECTION:

HOLE: KL-16-315

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 7.62m, Out

Drilling Dates: Jul 15 - Jul 17, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8	31.7	-50.5	Reflex
188	41.8	-50.9	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.6	3.6	OVB
3.6	17	13.4	GRD
17	34.3	17.3	GRD
34.3	38.44	4.14	GRD
38.44	46.27	7.83	GRD
46.27	78.77	32.5	GRD
78.77	83.5	4.73	GRD
83.5	86.38	2.88	GRD
86.38	100.17	13.79	GRD
100.17	106.71	6.54	GRD
106.71	117.75	11.04	QFP
117.75	122.73	4.98	GRD
122.73	123.64	0.91	QFP
123.64	151.9	28.26	GRD
151.9	157	5.1	QFP
157	188	31	GRD

SAMPLES	
Numbers:	K292761 to k292762, S047445 to S047500, S047651 to s047693
Total:	101
Batch:	020, 051, 053, 055, 056
Certificates:	VA16121836, VA16121840, VA16121841, VA16121843, VA16121844

COMMENTS

Box Log

KL-16-315

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0.73	5.25
2	5.25	9.88
3	9.88	12.75
4	12.75	15.47
5	15.47	18.58
6	18.58	21.35
7	21.35	24.17
8	24.17	27.47
9	27.47	30.55
10	30.55	33.19
11	33.19	36.04
12	36.04	38.91
13	38.91	41.93
14	41.93	44.47
15	44.47	47.16
16	47.16	50
17	50	53.06
18	53.06	55.94
19	55.94	58.75
20	58.75	61.25
21	61.25	64.34
22	64.34	67.19
23	67.19	70.1
24	70.1	72.72
25	72.72	75.74
26	75.74	78.77
27	78.77	81.25
28	81.25	84.11
29	84.11	86.82
30	86.82	89.57
31	89.57	92.53
32	92.53	95.33
33	95.33	98.04
34	98.04	100.9
35	100.9	103.55
36	103.55	106.41
37	106.41	109.44
38	109.44	112.56
39	112.56	115.63
40	115.63	118.69
41	118.69	122
42	122	125
43	125	128.15
44	128.15	131.14
45	131.14	134.14
46	134.14	137
47	137	140.23
48	140.23	143
49	143	146
50	146	149
51	149	152
52	152	155
53	155	158
54	158	161.21
55	161.21	164.1
56	164.1	167.15
57	167.15	169.73
58	169.73	172.41
59	172.41	175.17
60	175.17	178.14
61	178.14	181.25
62	181.25	184.33
63	184.33	187.49
64	187.49	188

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-315									
	75.15	13.1	HQ	GRD	1305.8	1000	3.2	4.3	Grey to dark grey quartz vein hosting disseminated to blebby pyrite and disseminated arsenopyrite. Vein is brecciated minorly by cream carbonate.
	83.88	8.5	HQ	GRD	916.5	650	3.46	3.4	10 cm massive sphalerite vein hosting blebby galena and pyrite stringers. Semi massive to blebby arsenopyrite also present. Honey brown sphalerite.
	158.96	12	HQ	GRD	1342.2	951.8	3.59	3.4	Massive pyrite vein. Crackled texture hosting trace blebby chalcopyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.60	17.00	13.40	GRD	MG	Pervasively oxidize, gouge altered and rubbly moderate phyllic altered granodiorite with patchy argillic alteration. Goethite staining along some fracture surfaces. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	OR	RB	OXI	4I	Py	0.1
						LT	GN	PA	PHC	3I		
						LT	OR	FR	OXI	3I	Go	0.1
									ARG	3I		
17.00	34.30	17.30	GRD	MG	Moderate phyllic altered granodiorite with moderate oxidation along fracture surfaces. Has patchy weak argillic alteration. Hosts multiple polymetallic quartz/carbonate/sulphide veins and disseminated pyrite. Vein frequency and oxidation both decrease with depth.							
						MD	OR		OXI	3I		
						LT	GN	FR	PHC	3I	Py	0.1
34.30	38.44	4.14	GRD	MG	Possible fault zone of significantly gouge altered and rubbly moderately phyllic altered granodiorite. Hosts disseminated pyrite. Patchy pervasive oxidation throughout.							
						MD	OR					
						LT	GY	RB	PHC	3I	Py	0.1
						LT	GN	PA	OXI	3I		
38.44	46.27	7.83	GRD	MG	Possible fault zone. Fractured and rubbly weakly propyllitic and potassic altered granodiorite with multiple patches of weak argillic and partial gouge alteration. Granodiorite is not competent for the majority of the interval.							
						MD	GY	PA	ARG	2I		
						MD	PK	FR	POT	2I		
						DK	GN	RB	PRO	2I		
46.27	51.25	4.98	GRD	MG	Weakly silicified weakly propyllitic and potassic altered granodiorite altered granodiorite.							
						MD	PK		SIL	2I		
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
51.25	54.10	2.85	GRD	MG	Interval starts off as ~70cm of strongly potassic altered granodiorite that transitions into a moderate phyllic envelope surrounding two polymetallic quartz/carbonate/sulphide veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	4I		
						MD	PK					
						LT	GN	EN	PHC	3I		
54.10	74.42	20.32	GRD	MG	Weakly silicified weakly propyllitic and potassic altered granodiorite altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		SIL	2I		
						DK	GN		POT	2I		
74.42	76.67	2.25	GRD	MG	Moderate phyllic envelope surrounding a large and multiple smaller quartz/carbonate/sulphide veins.							
						LT	GN	EN	PHC	3I		
76.67	78.77	2.10	GRD	MG	Weakly silicified weakly propyllitic and potassic altered granodiorite altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
									SIL	2I		
78.77	83.50	4.73	GRD	MG	Rubbly and fractured weakly propyllitic and potassic altered granodiorite with patchy weak to moderate argillic alteration. Weak oxidation along fracture surfaces.							
						MD	GY	FR	ARG	3I		
						LT	OR	RB	ARG	2I		
						LT	WH		POT	2I		
									PRO	2I		
83.50	86.38	2.88	GRD	MG	Phyllic altered granodiorite hosting two significant veins. Massive sphalerite and pyrite dominates vein zones. Strong sericite and pyrite on vein selvages. Weak oxidation along fracture surfaces.							
						MD	GN		OXI	2I		
						LT	GN	EN	PHC	4I	Py	0.1
						LT	OR					
86.38	100.17	13.79	GRD	MG	Rubbly unaltered to weakly propylitic altered granodiorite. Montmorillonite filling along some fractures.							
						MD	GY		ARG	1I		
						DK	GY	RB	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.17	106.71	6.54	GRD	MG	Alteration zone hosting intermittent semi-massive sulphide veins. Alternates from propylitic to phyllic/potassic and argillic with increasing intensity downhole. Strong carbonate filling on fractures and in veinlets.							
						MD	GN		PRO	3I		
						LT	PK	RB	POT	3I	Py	0.1
						LT	GN		ARG	2I		
106.71	117.75	11.04	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY	PO				
117.75	122.73	4.98	GRD	MG	Alteration zone hosting intermittent semi-massive sulphide veins. Alternates from propylitic to phyllic/potassic and argillic with increasing intensity downhole. Strong carbonate filling on fractures and in veinlets.							
						LT	PK		PRO	1I		
						LT	WH		PHC	3I		
						LT	GN		POT	3I	Py	0.1
									ARG	3I		
122.73	123.64	0.91	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY					
123.64	151.90	28.26	GRD	MG	Rubbly unaltered to weakly propylitic altered granodiorite. Montmorillonite filling along some fractures.							
						LT	GY	RB				
						DK	GY					
151.90	157.00	5.10	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY					
157.00	188.00	31.00	GRD	MG	Banded propylitic and phyllic altered granodiorite. Phyllic altered envelopes host weak sulphide/quartz veins upto 4 cm wide.							
						LT	GN		PHC	3I	Py	0.1
						LT	GY		PRO	4I		
						DK	GY		ARG	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.60	17.00	13.40	GRD	MG	Pervasively oxidize, gouge altered and rubbly moderate phyllic altered granodiorite with patchy argillic alteration. Goethite staining along some fracture surfaces. Hosts multiple quartz/carbonate/sulphide veins.							
						LT	OR	FR	OXI	3I	Go	0.1
						MD	OR	RB	OXI	4I	Py	0.1
						LT	GN	PA	PHC	3I		
									ARG	3I		
17.00	34.30	17.30	GRD	MG	Moderate phyllic altered granodiorite with moderate oxidation along fracture surfaces. Has patchy weak argillic alteration. Hosts multiple polymetallic quartz/carbonate/sulphide veins and disseminated pyrite. Vein frequency and oxidation both decrease with depth.							
						LT	GN	FR	PHC	3I	Py	0.1
						MD	OR		OXI	3I		
34.30	38.44	4.14	GRD	MG	Possible fault zone of significantly gouge altered and rubbly moderately phyllic altered granodiorite. Hosts disseminated pyrite. Patchy pervasive oxidation throughout.							
						LT	GN	PA	OXI	3I		
						MD	OR					
						LT	GY	RB	PHC	3I	Py	0.1
38.44	46.27	7.83	GRD	MG	Possible fault zone. Fractured and rubbly weakly propyllitic and potassic altered granodiorite with multiple patches of weak argillic and partial gouge alteration. Granodiorite is not competent for the majority of the interval.							
						DK	GN	RB	PRO	2I		
						MD	PK	FR	POT	2I		
						MD	GY	PA	ARG	2I		
46.27	78.77	32.50	GRD	MG	Weakly silicified weakly propyllitic and potassic altered granodiorite altered granodiorite. Hosts multiple large phyllic envelopes that surround one or more quartz/carbonate/sulphide veins.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
						MD	PK		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
78.77	83.50	4.73	GRD	MG	Rubbly and fractured weakly propyllitic and potassic altered granodiorite with patchy weak to moderate argillic alteration. Weak oxidation along fracture surfaces.							
									PRO	2I		
						LT	WH		POT	2I		
						MD	GY	FR	ARG	3I		
						LT	OR	RB	ARG	2I		
83.50	86.38	2.88	GRD	MG	Phyllic altered granodiorite hosting two significant veins. Massive sphalerite and pyrite dominates vein zones. Strong sericite and pyrite on vein selvages. Weak oxidation along fracture surfaces.							
						MD	GN		OXI	2I		
						LT	OR					
						LT	GN	EN	PHC	4I	Py	0.1
86.38	100.17	13.79	GRD	MG	Rubbly unaltered to weakly propylitic altered granodiorite. Montmorillonite filling along some fractures.							
						MD	GY		ARG	1I		
						DK	GY	RB	PRO	1I		
100.17	106.71	6.54	GRD	MG	Alteration zone hosting intermittent semi-massive sulphide veins. Alternates from propylitic to phyllic/potassic and argillic with increasing intensity downhole. Strong carbonate filling on fractures and in veinlets.							
						LT	PK	RB	POT	3I	Py	0.1
						MD	GN		PRO	3I		
						LT	GN		ARG	2I		
106.71	117.75	11.04	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY	PO				
117.75	122.73	4.98	GRD	MG	Alteration zone hosting intermittent semi-massive sulphide veins. Alternates from propylitic to phyllic/potassic and argillic with increasing intensity downhole. Strong carbonate filling on fractures and in veinlets.							
									ARG	3I		
						LT	WH		PHC	3I		
						LT	PK		PRO	1I		
						LT	GN		POT	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
122.73	123.64	0.91	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY					
123.64	151.90	28.26	GRD	MG	Rubbly unaltered to weakly propylitic altered granodiorite. Montmorillonite filling along some fractures.							
						LT	GY	RB				
						DK	GY					
151.90	157.00	5.10	QFP	FG	Quartz feldspar porphyry dyke. Typical light grey/green							
						LT	GY					
157.00	188.00	31.00	GRD	MG	Banded propylitic and phyllic altered granodiorite. Phyllic altered envelopes host weak sulphide/quartz veins upto 4 cm wide.							
									POT	1I		
						DK	GY		ARG	1I		
						LT	GN		PHC	3I	Py	0.1
						LT	GY		PRO	4I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	0.73	0.73	0	0	0.00	0	--	--	--	Cased
0.73	2.00	1.27	1.2	94	0.00	0	--	1H	4W	Overburden
2.00	5.00	3.00	1.38	46	0.00	0	--	1H	5W	
5.00	8.00	3.00	1.89	63	0.00	0	--	3H	4W	
8.00	11.00	3.00	2.05	68	0.00	0	--	1H	4W	
11.00	14.00	3.00	2.82	94	0.00	0	--	1H	4W	
14.00	17.00	3.00	3	100	0.31	10	--	1H	5W	
17.00	20.00	3.00	3	100	1.26	42	--	1H	3W	
20.00	23.00	3.00	2.99	100	1.22	41	--	2H	3W	
23.00	26.00	3.00	3	100	2.25	75	--	3H	2W	
26.00	29.00	3.00	3	100	1.99	66	--	3H	2W	
29.00	32.00	3.00	3	100	1.40	47	--	3H	1W	
32.00	35.00	3.00	2.97	99	0.98	33	--	3H	3W	
35.00	38.00	3.00	3	100	0.34	11	--	2H	4W	
38.00	41.00	3.00	2.87	96	0.00	0	--	1H	1W	
41.00	44.00	3.00	2.95	98	0.27	9	--	4H	1W	Rubble zone
44.00	47.00	3.00	3	100	0.29	10	--	3H	1W	
47.00	50.00	3.00	3	100	0.75	25	--	1H	1W	
50.00	53.00	3.00	3	100	1.97	66	--	4H	1W	
53.00	56.00	3.00	2.98	99	0.62	21	--	2H	1W	
56.00	59.00	3.00	3	100	1.07	36	--	4H	1W	
59.00	62.00	3.00	3	100	0.80	27	--	4H	1W	
62.00	65.00	3.00	2.95	98	0.98	33	--	4H	1W	
65.00	68.00	3.00	3	100	2.37	79	--	4H	1W	
68.00	71.00	3.00	3	100	1.87	62	--	4H	1W	
71.00	74.00	3.00	3	100	1.24	41	--	4H	1W	
74.00	77.00	3.00	3	100	1.90	63	--	3H	1W	
77.00	80.00	3.00	2.99	100	1.62	54	--	2H	1W	
80.00	83.00	3.00	2.8	93	0.34	11	--	2H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
83.00	86.00	3.00	2.78	93	1.11	37	--	3H	2W	
86.00	89.00	3.00	2.83	94	0.59	20	--	4H	2W	
89.00	92.00	3.00	2.86	95	1.00	33	--	4H	1W	
92.00	95.00	3.00	3	100	1.37	46	--	3H	1W	
95.00	98.00	3.00	2.92	97	1.92	64	--	3H	1W	
98.00	101.00	3.00	2.89	96	0.15	5	--	3H	1W	
101.00	104.00	3.00	2.9	97	1.40	47	--	2H	1W	
104.00	107.00	3.00	2.82	94	1.48	49	--	3H	2W	
107.00	110.00	3.00	3	100	2.37	79	--	3H	1W	
110.00	113.00	3.00	2.97	99	1.87	62	--	2H	1W	
113.00	116.00	3.00	2.94	98	1.51	50	--	2H	1W	
116.00	119.00	3.00	3	100	2.47	82	--	2H	1W	
119.00	122.00	3.00	2.82	94	2.30	77	--	3H	1W	
122.00	125.00	3.00	3	100	1.92	64	--	2H	1W	
125.00	128.00	3.00	3	100	2.02	67	--	4H	1W	
128.00	131.00	3.00	3	100	1.73	58	--	4H	1W	
131.00	134.00	3.00	2.97	99	2.01	67	--	4H	1W	
134.00	137.00	3.00	3	100	1.32	44	--	4H	1W	
137.00	140.00	3.00	3	100	2.50	83	--	4H	1W	
140.00	143.00	3.00	2.98	99	0.81	27	--	3H	1W	
143.00	146.00	3.00	2.95	98	2.26	75	--	4H	1W	
146.00	149.00	3.00	2.87	96	2.29	76	--	3H	1W	
149.00	152.00	3.00	3	100	1.39	46	--	3H	1W	
152.00	155.00	3.00	3	100	2.44	81	--	3H	1W	
155.00	158.00	3.00	3	100	2.77	92	--	3H	1W	
158.00	161.00	3.00	3	100	2.75	92	--	4H	1W	
161.00	164.00	3.00	3	100	1.95	65	--	2H	1W	
164.00	167.00	3.00	2.93	98	2.42	81	--	2H	1W	
167.00	170.00	3.00	2.8	93	0.68	23	--	3H	1W	
170.00	173.00	3.00	2.83	94	0.61	20	--	3H	1W	
173.00	176.00	3.00	2.88	96	0.98	33	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
176.00	179.00	3.00	3	100	1.96	65	--	2H	1W	
179.00	182.00	3.00	3	100	2.77	92	--	2H	1W	
182.00	185.00	3.00	2.88	96	1.87	62	--	4H	1W	
185.00	188.00	3.00	3	100	2.74	91	--	3H	1W	

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
6	2.88	GRD	
7	0.173	GRD	
8	0.346	GRD	
9	0.705	GRD	
10	0.499	GRD	
11	0.126	GRD	
12	0.343	GRD	
13	1.05	GRD	
14	0.334	GRD	
15	0.252	GRD	
16	2.04	GRD	
17	0.853	GRD	
17	0.853	GRD	
18	0.544	GRD	
19	0.4	GRD	
20	0.395	GRD	
21	0.243	GRD	
22	0.455	GRD	
23	0.904	GRD	
24	0.934	GRD	
25	0.55	GRD	
26	0.502	GRD	
27	0.65	GRD	
28	0.788	GRD	
29	0.327	GRD	
30	0.684	GRD	
31	0.793	GRD	
32	4.81	GRD	
33	16.4	GRD	
34	0.54	GRD	
35	0.121	GRD	
36	0.203	GRD	
37	0.632	GRD	
38	3.77	GRD	
39	9.92	GRD	
40	29	GRD	
41	37.5	GRD	
42	39.4	GRD	
43	43	GRD	
44	32.3	GRD	
45	36.4	GRD	
46	1.9	GRD	
47	39	GRD	
48	43.9	GRD	
49	40.7	GRD	
50	42.3	GRD	
51	0.09	GRD	
52	0.103	GRD	
53	0.562	GRD	
54	0.487	GRD	
55	15.7	GRD	
56	0.579	GRD	
57	33.6	GRD	
58	18	GRD	
59	42.1	GRD	
60	44.6	GRD	
61	32.9	GRD	
62	22.9	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
63	22.8	GRD	
64	47.5	GRD	
65	28.3	GRD	
66	1.58	GRD	
67	0.706	GRD	
68	0.431	GRD	
69	0.641	GRD	
70	0.248	GRD	
71	0.504	GRD	
72	33.7	GRD	
73	3.55	GRD	
74	3.3	GRD	
75	0.8	GRD	
76	0.428	GRD	
77	17.4	GRD	
78	1.31	GRD	
79	14.1	GRD	
80	4.33	GRD	
81	4.2	GRD	
82	39.1	GRD	
83	1.08	GRD	
84	0.604	GRD	
85	0.306	GRD	
86	0.403	GRD	
87	16.9	GRD	
88	18.04	GRD	
89	30	GRD	
90	9	GRD	
91	27.3	GRD	
92	19.4	GRD	
93	25.5	GRD	
94	1.71	GRD	
95	0.757	GRD	
96	14.1	GRD	
97	25.5	GRD	
98	32.6	GRD	
99	33.5	GRD	
100	1.24	GRD	
101	0.381	GRD	
102	0.4	GRD	
103	0.23	GRD	
104	0.656	GRD	
105	0.435	GRD	
106	0.525	GRD	
107	0.293	QFP	
108	0.301	QFP	
109	0.302	QFP	
110	0.407	QFP	
111	0.516	QFP	
112	0.341	QFP	
113	0.288	QFP	
114	0.218	QFP	
115	0.217	QFP	
116	0.253	QFP	
117	0.256	QFP	
118	0.401	GRD	
119	0.472	GRD	
120	0.605	GRD	
121	0.242	GRD	
122	0.751	GRD	
123	0.48	QFP	
124	0.48	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
125	9.8	GRD	
126	30.8	GRD	
127	41.9	GRD	
128	30.1	GRD	
129	30.9	GRD	
130	38.9	GRD	
131	29.9	GRD	
132	28.9	GRD	
133	21.9	GRD	
134	29.7	GRD	
135	49.5	GRD	
136	40.1	GRD	
137	21.1	GRD	
138	11.8	GRD	
139	4.74	GRD	
140	26.4	GRD	
141	36.8	GRD	
142	44.1	GRD	
143	9.51	GRD	
144	41.32	GRD	
145	49.5	GRD	
146	39.8	GRD	
147	16.7	GRD	
148	38.3	GRD	
149	34.2	GRD	
150	0.803	GRD	
151	11.3	GRD	
152	0.482	QFP	
153	0.317	QFP	
154	0.22	QFP	
155	0.449	QFP	
156	0.311	QFP	
157	0.27	QFP	
157	0.27	GRD	
158	0.479	GRD	
159	0.364	GRD	
160	7.23	GRD	
161	0.659	GRD	
162	0.596	GRD	
163	8.14	GRD	
164	18.3	GRD	
165	0.526	GRD	
166	0.894	GRD	
167	0.81	GRD	
168	4.83	GRD	
169	36.84	GRD	
170	20.75	GRD	
171	31.05	GRD	
172	12.71	GRD	
173	38.78	GRD	
174	19.59	GRD	
175	41.43	GRD	
176	42.74	GRD	
177	28.88	GRD	
178	0.707	GRD	
179	0.461	GRD	
180	0.23	GRD	
181	0.608	GRD	
182	36.74	GRD	
183	32.58	GRD	
184	48.65	GRD	
185	16.5	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
186	21.19	GRD	
187	0.705	GRD	
188	0.634	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047451	☐	16-051			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047464	☐	16-053			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047470	☐	16-053		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047475	☐	16-053			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047482	☐	16-053		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047653	☐	16-055		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047664	☐	16-055			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047670	☐	16-055		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047676	☐	16-055			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	s047692	☐	16-056		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047446	☐	16-051		KL-STD5	☐	☐	☐
6.17	6.77	0.60	GRD	0.45	75	S047445	☐	16-051			☐	☐	☐
6.77	8.00	1.23	GRD	0.63	51	S047447	☐	16-051			☐	☐	☐
8.00	9.33	1.33	GRD	1.03	77	S047448	☐	16-051			☐	☐	☐
9.33	9.88	0.55	GRD	0.53	96	S047449	☐	16-051			☐	☐	☐
9.88	11.00	1.12	GRD	1.10	98	S047450	☐	16-051			☐	☐	☐
11.00	11.50	0.50	GRD	0.50	100	S047452	☐	16-051			☐	☐	☐
11.50	12.00	0.50	GRD	0.50	100	S047453	☐	16-051			☐	☐	☐
12.00	13.50	1.50	GRD	1.30	87	S047454	☐	16-051			☐	☐	☐
13.50	14.20	0.70	GRD	0.70	100	S047455	☐	16-051			☐	☐	☐
13.50	14.20	0.70	GRD	0.70	100	S047456	☐	16-051			☐	☑	☐
14.20	15.47	1.27	GRD	1.27	100	S047457	☐	16-051			☐	☐	☐
15.47	17.00	1.53	GRD	1.53	100	S047458	☐	16-051			☐	☐	☐
17.00	18.18	1.18	GRD, GRD	1.18	100	S047459	☐	16-051			☐	☐	☐
18.18	18.68	0.50	GRD	0.50	100	S047460	☐	16-053			☐	☐	☐
18.68	19.18	0.50	GRD	0.50	100	S047461	☐	16-053			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
19.18	20.60	1.42	GRD	1.42	100	S047462	☐	16-053			☐	☐	☐
20.60	21.10	0.50	GRD	0.50	100	S047463	☐	16-053			☐	☐	☐
21.10	22.03	0.93	GRD	0.77	83	S047465	☐	16-053			☐	☐	☐
22.03	23.03	1.00	GRD	1.00	100	S047466	☐	16-053			☐	☐	☐
23.03	23.61	0.58	GRD	0.58	100	S047467	☐	16-053			☐	☐	☐
23.61	24.03	0.42	GRD	0.42	100	S047468	☐	16-053			☐	☐	☐
24.03	24.67	0.64	GRD	0.64	100	S047469	☐	16-053			☐	☐	☐
24.67	26.15	1.48	GRD	1.46	99	S047471	☐	16-053			☐	☐	☐
26.15	27.93	1.78	GRD	1.78	100	S047472	☐	16-053			☐	☐	☐
27.93	29.52	1.59	GRD	1.59	100	S047473	☐	16-053			☐	☐	☐
29.52	30.59	1.07	GRD	1.07	100	S047474	☐	16-053			☐	☐	☐
30.59	33.52	2.93	GRD	2.93	100	S047476	☐	16-053			☐	☐	☐
33.52	34.02	0.50	GRD	0.50	100	S047477	☐	16-053			☐	☐	☐
34.02	35.00	0.98	GRD	0.97	99	S047478	☐	16-053			☐	☐	☐
35.00	36.28	1.28	GRD	1.28	100	S047479	☐	16-053			☐	☐	☐
36.28	37.81	1.53	GRD	1.38	90	S047480	☐	16-053			☐	☐	☐
37.81	38.95	1.14	GRD	1.14	100	S047481	☐	16-053			☐	☐	☐
38.95	39.74	0.79	GRD	0.79	100	S047483	☐	16-053			☐	☐	☐
38.95	39.74	0.79	GRD	0.79	100	S047484	☐	16-053			☐	☑	☐
39.74	40.48	0.74	GRD	0.72	97	S047485	☐	16-053			☐	☐	☐
52.73	53.23	0.50	GRD	0.50	100	S047486	☐	16-053			☐	☐	☐
53.23	53.73	0.50	GRD	0.50	100	S047487	☐	16-053			☐	☐	☐
53.73	54.23	0.50	GRD	0.50	100	S047488	☐	16-053			☐	☐	☐
74.15	75.17	1.02	GRD	1.00	98	S047489	☐	16-053			☐	☐	☐
74.15	75.17	1.02	GRD	1.00	98	S047490	☐	16-053			☐	☐	☑
75.17	75.74	0.57	GRD	0.57	100	S047491	☐	16-053			☐	☐	☐
75.74	76.27	0.53	GRD	0.53	100	S047492	☐	16-053			☐	☐	☐
76.27	77.00	0.73	GRD	0.73	100	S047493	☐	16-053			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
82.90	83.40	0.50	GRD	0.50	100	S047494	☐	16-053			☐	☐	☐
83.40	83.90	0.50	GRD	0.50	100	S047495	☐	16-053			☐	☐	☐
83.90	85.04	1.14	GRD	1.14	100	S047496	☐	16-055			☐	☐	☐
85.04	85.54	0.50	GRD	0.50	100	S047497	☐	16-055			☐	☐	☐
85.54	86.04	0.50	GRD	0.50	100	S047498	☐	16-055			☐	☐	☐
94.77	95.33	0.56	GRD	0.56	100	S047665	☐	16-055			☐	☐	☐
100.00	100.50	0.50	GRD	0.50	100	S047499	☐	16-055			☐	☐	☐
100.50	101.00	0.50	GRD	0.50	100	S047675	☐	16-055			☐	☐	☐
101.00	101.50	0.50	GRD	0.50	100	S047500	☐	16-055			☐	☐	☐
101.50	102.68	1.18	GRD	1.18	100	S047651	☐	16-055			☐	☐	☐
102.68	103.50	0.82	GRD	0.82	100	S047652	☐	16-055			☐	☐	☐
103.50	104.43	0.93	GRD	0.93	100	S047654	☐	16-055			☐	☐	☐
104.43	106.00	1.57	GRD	1.57	100	S047655	☐	16-055			☐	☐	☐
106.00	107.18	1.18	GRD	1.18	100	S047656	☐	16-055			☐	☐	☐
106.00	107.18	1.18	GRD	1.18	100	S047657	☐	16-055			☐	☐	☑
117.43	117.93	0.50	QFP	0.50	100	S047658	☐	16-055			☐	☐	☐
117.93	118.43	0.50	GRD	0.50	100	S047659	☐	16-055			☐	☐	☐
117.93	118.43	0.50	GRD	0.50	100	S047660	☐	16-055			☐	☑	☐
118.43	120.39	1.96	GRD	1.90	97	S047661	☐	16-055			☐	☐	☐
120.39	122.24	1.85	GRD	1.85	100	S047662	☐	16-055			☐	☐	☐
122.24	122.74	0.50	GRD	0.50	100	S047663	☐	16-055			☐	☐	☐
122.74	123.57	0.83	QFP	0.83	100	S047666	☐	16-055			☐	☐	☐
123.57	124.23	0.66	QFP	0.66	100	K292761	☐	16-020	HG		☐	☐	☐
124.23	124.73	0.50	GRD	0.50	100	S047667	☐	16-055			☐	☐	☐
124.73	125.23	0.50	GRD	0.50	100	S047668	☐	16-055			☐	☐	☐
137.75	138.25	0.50	GRD	0.50	100	S047669	☐	16-055			☐	☐	☐
138.25	138.85	0.60	GRD	0.60	100	S047671	☐	16-055			☐	☐	☐
138.85	139.35	0.50	GRD	0.50	100	S047672	☐	16-055			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
148.00	148.50	0.50	GRD	0.50	100	S047673	☐	16-055			☐	☐	☐
148.50	149.00	0.50	GRD	0.50	100	S047674	☐	16-055			☐	☐	☐
149.00	149.50	0.50	GRD	0.50	100	S047677	☐	16-055			☐	☐	☐
149.50	150.15	0.65	GRD	0.64	98	S047678	☐	16-055			☐	☐	☐
150.15	150.75	0.60	GRD	0.57	95	S047679	☐	16-055			☐	☐	☐
150.75	151.25	0.50	GRD	0.50	100	S047680	☐	16-055			☐	☐	☐
156.70	157.40	0.70	QFP	0.70	100	s047681	☐	16-055			☐	☐	☐
157.40	158.40	1.00	GRD	1.00	100	s047682	☐	16-056			☐	☐	☐
158.40	159.10	0.70	GRD	0.65	93	k292762	☐	16-020	HG		☐	☐	☐
159.10	160.10	1.00	GRD	1.00	100	s047683	☐	16-056			☐	☐	☐
160.10	160.72	0.62	GRD	0.60	97	s047684	☐	16-056			☐	☐	☐
160.72	161.50	0.78	GRD	0.78	100	s047685	☐	16-056			☐	☐	☐
161.50	162.00	0.50	GRD	0.50	100	s047686	☐	16-056			☐	☐	☐
162.00	162.50	0.50	GRD	0.50	100	s047687	☐	16-056			☐	☐	☐
162.50	164.60	2.10	GRD	2.00	95	s047688	☐	16-056			☐	☐	☐
164.60	165.60	1.00	GRD	1.00	100	s047689	☐	16-056			☐	☐	☐
165.60	166.19	0.59	GRD	0.55	93	s047690	☐	16-056			☐	☐	☐
166.19	167.00	0.81	GRD	0.80	99	s047691	☐	16-056			☐	☐	☐
179.10	180.10	1.00	GRD	1.00	100	s047693	☐	16-056			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	6.17			☐	☐	☐	☐	
16-056	S047692	0.00	0.00	4.26	1000	☐	☐	☐	☑ KL-STD1	
16-055	S047653	0.00	0.00	4.52	210	☐	☐	☐	☑ KL-STD1	
16-055	S047664	0.00	0.00	0.00	200	☐	☐	☑	☐	
16-055	S047670	0.00	0.00	0.86	220	☐	☐	☐	☑ KL-STD5	
16-055	S047676	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-051	S047446	0.00	0.00	0.84	300	☐	☐	☐	☑ KL-STD5	
16-051	S047451	0.00	0.00	0.01	20	☐	☐	☑	☐	
16-053	S047464	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-053	S047470	0.00	0.00	4.54	430	☐	☐	☐	☑ KL-STD1	
16-053	S047475	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-053	S047482	0.00	0.00	0.86	1130	☐	☐	☐	☑ KL-STD5	
16-051	S047445	6.17	6.77	2.89	1950	☐	☐	☐	☐	
16-051	S047447	6.77	8.00	0.00	1100	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-051	S047448	8.00	9.33	0.01	1230	☐	☐	☐	☐	
16-051	S047449	9.33	9.88	0.01	850	☐	☐	☐	☐	
16-051	S047450	9.88	11.00	7.64	550	☐	☐	☐	☐	
16-051	S047452	11.00	11.50	0.03	660	☐	☐	☐	☐	
16-051	S047453	11.50	12.00	0.21	2500	☐	☐	☐	☐	
16-051	S047454	12.00	13.50	0.03	700	☐	☐	☐	☐	
16-051	S047455	13.50	14.20	0.01	470	☐	☐	☐	☐	
16-051	S047456	13.50	14.20	0.01	460	☑	☐	☐	☐	
16-051	S047457	14.20	15.47	0.13	830	☐	☐	☐	☐	
16-051	S047458	15.47	17.00	0.39	2460	☐	☐	☐	☐	
16-051	S047459	17.00	18.18	0.07	2000	☐	☐	☐	☐	
16-053	S047460	18.18	18.68	4.77	730	☐	☐	☐	☐	
16-053	S047461	18.68	19.18	0.15	1100	☐	☐	☐	☐	
16-053	S047462	19.18	20.60	0.44	1020	☐	☐	☐	☐	
16-053	S047463	20.60	21.10	0.48	470	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-053	S047465	21.10	22.03	3.13	1080	☐	☐	☐	☐	
16-053	S047466	22.03	23.03	1.92	270	☐	☐	☐	☐	
16-053	S047467	23.03	23.61	2.66	680	☐	☐	☐	☐	
16-053	S047468	23.61	24.03	0.33	1040	☐	☐	☐	☐	
16-053	S047469	24.03	24.67	0.03	2260	☐	☐	☐	☐	
16-053	S047471	24.67	26.15	0.08	1450	☐	☐	☐	☐	
16-053	S047472	26.15	27.93	0.17	1950	☐	☐	☐	☐	
16-053	S047473	27.93	29.52	0.06	1870	☐	☐	☐	☐	
16-053	S047474	29.52	30.59	0.46	1520	☐	☐	☐	☐	
16-053	S047476	30.59	33.52	0.14	1770	☐	☐	☐	☐	
16-053	S047477	33.52	34.02	0.03	1720	☐	☐	☐	☐	
16-053	S047478	34.02	35.00	0.01	1330	☐	☐	☐	☐	
16-053	S047479	35.00	36.28	0.05	950	☐	☐	☐	☐	
16-053	S047480	36.28	37.81	0.06	1510	☐	☐	☐	☐	
16-053	S047481	37.81	38.95	0.11	1540	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-053	S047483	38.95	39.74	0.00	1320	☐	☐	☐	☐	
16-053	S047484	38.95	39.74	0.00	1530	☑	☐	☐	☐	
16-053	S047485	39.74	40.48	0.00	2280	☐	☐	☐	☐	
		40.48	52.73			☐	☐	☐	☐	
16-053	S047486	52.73	53.23	0.00	1830	☐	☐	☐	☐	
16-053	S047487	53.23	53.73	0.27	1000	☐	☐	☐	☐	
16-053	S047488	53.73	54.23	0.01	1500	☐	☐	☐	☐	
		54.23	74.15			☐	☐	☐	☐	
16-053	S047489	74.15	75.17	0.07	1160	☐	☐	☐	☐	
16-053	S047490	74.15	75.17	0.06	1110	☐	☑	☐	☐	
16-053	S047491	75.17	75.74	2.03	3190	☐	☐	☐	☐	
16-053	S047492	75.74	76.27	0.01	1080	☐	☐	☐	☐	
16-053	S047493	76.27	77.00	0.00	1900	☐	☐	☐	☐	
		77.00	82.90			☐	☐	☐	☐	
16-053	S047494	82.90	83.40	0.00	1960	☐	☐	☐	☐	
16-053	S047495	83.40	83.90	0.04	1170	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-055	S047496	83.90	85.04	1.00	240	☐	☐	☐	☐	
16-055	S047497	85.04	85.54	0.06	750	☐	☐	☐	☐	
16-055	S047498	85.54	86.04	0.00	4600	☐	☐	☐	☐	
		86.04	94.77			☐	☐	☐	☐	
16-055	S047665	94.77	95.33	0.06	1060	☐	☐	☐	☐	
		95.33	######			☐	☐	☐	☐	
16-055	S047499	100.00	100.50	0.12	1850	☐	☐	☐	☐	
16-055	S047675	100.50	101.00	0.57	190	☐	☐	☐	☐	
16-055	S047500	101.00	101.50	0.01	1750	☐	☐	☐	☐	
16-055	S047651	101.50	102.68	0.01	1660	☐	☐	☐	☐	
16-055	S047652	102.68	103.50	0.09	1420	☐	☐	☐	☐	
16-055	S047654	103.50	104.43	0.01	1700	☐	☐	☐	☐	
16-055	S047655	104.43	106.00	0.01	2150	☐	☐	☐	☐	
16-055	S047656	106.00	107.18	0.02	3610	☐	☐	☐	☐	
16-055	S047657	106.00	107.18	0.03	3430	☐	☑	☐	☐	
		######	######			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-055	S047658	117.43	117.93	0.00	570	☐	☐	☐	☐	
16-055	S047659	117.93	118.43	0.16	360	☐	☐	☐	☐	
16-055	S047660	117.93	118.43	0.10	590	☑	☐	☐	☐	
16-055	S047661	118.43	120.39	0.00	1960	☐	☐	☐	☐	
16-055	S047662	120.39	122.24	0.10	1940	☐	☐	☐	☐	
16-055	S047663	122.24	122.74	0.13	1300	☐	☐	☐	☐	
16-055	S047666	122.74	123.57	0.00	1130	☐	☐	☐	☐	
16-020	K292761	123.57	124.23	8.00	580	☐	☐	☐	☐	
16-055	S047667	124.23	124.73	0.00	1830	☐	☐	☐	☐	
16-055	S047668	124.73	125.23	0.00	1950	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-055	S047669	137.75	138.25	0.00	2020	☐	☐	☐	☐	
16-055	S047671	138.25	138.85	0.14	1260	☐	☐	☐	☐	
16-055	S047672	138.85	139.35	0.00	2110	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-055	S047673	148.00	148.50	0.00	2160	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-055	S047674	148.50	149.00	0.06	1800	☐	☐	☐	☐	
16-055	S047677	149.00	149.50	0.01	1450	☐	☐	☐	☐	
16-055	S047678	149.50	150.15	0.01	1940	☐	☐	☐	☐	
16-055	S047679	150.15	150.75	0.06	870	☐	☐	☐	☐	
16-055	S047680	150.75	151.25	0.01	2060	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-055	S047681	156.70	157.40	0.60	630	☐	☐	☐	☐	
16-056	S047682	157.40	158.40	0.05	1780	☐	☐	☐	☐	
16-020	K292762	158.40	159.10	11.50	60	☐	☐	☐	☐	
16-056	S047683	159.10	160.10	0.01	2260	☐	☐	☐	☐	
16-056	S047684	160.10	160.72	0.23	1600	☐	☐	☐	☐	
16-056	S047685	160.72	161.50	0.01	1620	☐	☐	☐	☐	
16-056	S047686	161.50	162.00	0.24	720	☐	☐	☐	☐	
16-056	S047687	162.00	162.50	0.01	1940	☐	☐	☐	☐	
16-056	S047688	162.50	164.60	0.07	1910	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-056	S047689	164.60	165.60	4.68	950	☐	☐	☐	☐	
16-056	S047690	165.60	166.19	0.70	1290	☐	☐	☐	☐	
16-056	S047691	166.19	167.00	0.03	1910	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-056	S047693	179.10	180.10	0.01	2220	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
7.65	7.73	VB	37	80	NUL	1	Oxidized smoky quartz vein breccia with minor interstitial cream hosting disseminated to blebby pyrite, honey brown sphalerite and galena.			
								Sp	3	BL
								Gn	2	BL
								Py	5	BL
8.40	8.65	GO	34	-	NUL	1	Oxidized rubbly orange gouge.			
10.42	10.62	GO	34	-	NUL	1	Oxidized rubbly orange gouge.			
10.62	11.00	GO	34	-	NUL	1	Grey, orange and black oxidized and goethite stained gouge. Hosts trace disseminated pyrite.			
								Py	0.1	DI
11.53	11.87	GO	34	-	NUL	1	Oxidized rubbly orange gouge hosts a broken up quartz/carbonate vein.			
17.75	24.35	VT	37	80	NUL	11	Eleven 0.2-0.5cm wide quartz/carbonate veinlets hosting disseminated pyrite +/- galena and sphalerite.			
								Sp	1	DI
								Py	15	DI
								Gn	1	DI
18.42	18.53	VN	37	70	NUL	1	Smoky quartz vein brecciated by white carbonate. Hosts disseminated to blebby pyrite, honey brown sphalerite and galena.			
								Sp	5	BL
								Gn	1	BL
								Py	3	BL
18.80	21.00	GO	34	-	NUL	1	Significantly gouge altered phyllic granodiorite hosting disseminated pyrite.			
								Py	1	DI
21.42	21.49	VB	37	70	NUL	1	Smoky quartz vein brecciated by white carbonate. Hosts disseminated pyrite and galena.			
								Py	3	DI
								Gn	3	DI
21.76	21.86	VB	37	80	NUL	1	Smoky quartz vein breccia hosting disseminated pyrite and galena.			
								Gn	1	DI
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
22.98	23.02	VN	37	80	NUL	1	Grey quartz vein hosting disseminated to blebby pyrite and sphalerite.			
								Py	40	BL
								Sp	5	BL
29.90	29.91	VT	37	70	NUL	1	0.8cm grey quartz veinlet hosting blebby blackjack sphalerite, pyrite and galena.			
								Gn	4	BL
								Sp	60	BL
								Py	10	BL
30.04	30.06	VN	37	70	NUL	1	Grey quartz vein brecciated by white carbonate hosting disseminated pyrite.			
								Py	1	DI
33.59	33.63	VN	37	70	NUL	1	Grey quartz vein cut by white carbonate stringers hosting disseminated to blebby pyrite.			
								Py	15	BL
35.00	35.15	BX	34	-	NUL	1	Pervasively oxidized and rubbly smoky quartz breccia. Hosts disseminated pyrite.			
								Py	1	DI
35.16	36.43	GO	34	-	NUL	1	Significantly gouge altered and oxidized phyllic granodiorite hosting disseminated pyrite.			
								Py	1	DI
53.32	53.46	VN	37	80	NUL	2	Two 3-4cm grey to dark grey quartz veins hosting disseminated pyrite, sphalerite and arsenopyrite.			
								Py	5	DI
								Sp	1	DI
								As	1	DI
75.18	75.30	VN	37	80	NUL	1	Grey to dark grey quartz vein hosting disseminated to blebby pyrite and disseminated arsenopyrite. Vein is brecciated minorly by cream carbonate.			
								As	5	DI
								Py	30	BL
75.36	75.49	VB	37	80	NUL	1	Two 3cm grey quartz brecciated by light tan ankerite. Hosts disseminated to blebby pyrite and galena.			
								Py	5	BL
								Gn	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
83.90	84.00	VN	37	90	NUL	1	10 cm massive sphalerite vein hosting blebby galena and pyrite stringers. Semi massive to blebby arsenopyrite also present. Honey brown sphalerite.			
								Gn	1	BL
								Sp	85	MA
								Py	2	MA
								As	2	BL
84.48	85.00	VN	37	80	NUL	1	Black breccia hosting large phyllic altered granodiorite clasts. Breccia grades into a massive to semi massive sulphide vein hosting mostly pyrite and arsenopyrite.			
								Sp	2	BL
								As	10	MA
								Py	10	MA
94.88	95.33	VT	37	75	NUL	3	3 semi massive pyrite veinlets hosting blebby arsenopyrite and sphalerite hosted in a strongly altered phyllic envelope. Envelope hosts pervasive pyrite.			
								Py	0.1	DI
								As	0.5	BL
								Py	1	BL
								Sp	0.5	BL
100.65	100.83	VN	37	70	NUL	1	carbonate vein hosting blebby to semi massive pyrite.			
								Py	30	MA
107.00	107.10	VB	37	80	NUL	1	black breccia hosting clasts from both the dyke and granodiorite. Breccia crosscutting dyke.			
117.75	117.88	VB	37	60	NUL	1	Black breccia, mostly made up of matrix material. Pervasive disseminated pyrite throughout.			
								Py	1	DI
120.30	120.35	VB	37	60	NUL	1	Black breccia, mostly made up of matrix material. Pervasive disseminated pyrite throughout.			
								Py	3	DI
123.64	124.08	VN	37	76	NUL	1	Banded black breccia hosting brecciated massive pyrite and arsenopyrite veins. Trace blebby sphalerite and galena also present.			
								Gn	0.1	BL
								Sp	0.5	BL
								Py	10	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								As	8	MA
138.00	138.70	VB	37	75	NUL	4	Black breccia hosting blebby galena 2 to 4 cm wide. 4 structures all parrallel to each other.			
								Gn	1	BL
148.50	148.70	VB	37	-	NUL	1	Wide breccia hosting weak disseminated pyrite and large phyllic altered granodiorite clasts.			
								Py	1	DI
150.00	150.12	VB	37	-	NUL	1	Wide breccia hosting weak disseminated pyrite and large phyllic altered granodiorite clasts.			
								Py	1	DI
156.90	157.09	VB	37	70	NUL	1	Black breccia, mostly made up of matrix material. Pervasive disseminated pyrite throughout.			
								Py	3	DI
158.88	159.04	VN	37	80	NUL	1	Massive pyrite vein. Crackled texture hosting trace blebby chalcopyrite.			
								Cp	0.1	BL
								Py	70	MA
160.60	160.70	VN	37	75	NUL	1	Quartz/chalcedony vein hosting pyrite stringers and trace disseminated pyrite.			
								Py	1	DI
165.00	165.15	VN	37	70	NUL	1	White to Milky quartz vein hosting semi massive to blebby pyrite and trace blebby chalcopyrite. Moderate brecciation of pyrite.			
								Cp	0.1	BL
								Py	10	MA
179.00	181.00	VT	37	55	NUL	6	carbonate stringers hosted in a strongly phyllic altered granodiorite. Trace disseminated pyrite near carbonate stringers. Some carbonate veinlets offset by micro faulting.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383030	6890119	1357.82	173

ZONE: Central Klaza

SECTION:

HOLE: KL-16-316

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 6.1m, Out

Drilling Dates: Jul 17 - Jul 18, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
8	3.1	-49.6	Reflex
173	36.2	-49.8	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.61	1.61	CAS
1.61	4.56	2.95	OVB
4.56	11.76	7.2	GRD
11.76	14.25	2.49	CLY
14.25	14.85	0.6	CLY
14.85	16.96	2.11	GRD
16.96	38.87	21.91	GRD
38.87	50.84	11.97	GRD
50.84	59	8.16	GRD
59	62.42	3.42	GRD
62.42	84.4	21.98	GRD
84.4	86	1.6	GRD
86	92.31	6.31	QFP
92.31	106.9	14.59	GRD
106.9	107.98	1.08	QFP
107.98	122.17	14.19	GRD

SAMPLES	
Numbers:	K292763 to K292764, S047593 to S047650, S047694 to S047722
Total:	89
Batch:	020, 054, 056, 058
Certificates:	VA16121836, VA16121842, VA16121844, VA16121848

COMMENTS

122.17	125.87	3.7	QFP
125.87	127.37	1.5	GRD
127.37	143	15.63	GRD
143	161	18	GRD
161	164.88	3.88	GRD
164.88	173	8.12	GRD

KL-16-316

Box Number	From (m)	To (m)
1	1.61	5.31
2	5.31	8
3	8	11
4	11	14
5	14	16.76
6	16.76	19.73
7	19.73	22.83
8	22.83	26
9	26	29
10	29	31.93
11	31.93	35
12	35	38.11
13	38.11	41
14	41	44
15	44	47.23
16	47.23	50.23
17	50.23	53.39
18	53.39	56.6
19	56.6	59.78
20	59.78	62.93
21	62.93	66
22	66	68.96
23	68.96	72.09
24	72.09	75.08
25	75.08	77.98
26	77.98	80.76
27	80.76	84.12
28	84.12	86.73
29	86.73	89.8
30	89.8	92.52
31	92.52	95.74
32	95.74	98.8
33	98.8	101.77
34	101.77	104.9
35	104.9	108.02
36	108.02	111.03
37	111.03	113.91
38	113.91	116.96
39	116.96	119.86
40	119.86	122.93
41	122.93	125.79
42	125.79	129.09
43	129.09	132.11
44	132.11	135.28
45	135.28	138.18
46	138.18	140.98
47	140.98	143.86
48	143.86	146.77
49	146.77	149.42
50	149.42	152.48
51	152.48	155.45
52	155.45	158.7
53	158.7	161.58
54	161.58	164.74
55	164.74	167.88
56	167.88	170.98
57	170.98	173

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-316									
	105	15.5	HQ	GRD	1305.1	837.5	2.7	2.8	20cm black breccia crosscutting argillic/propylitic granodiorite. Breccia carries sand to large cobble sized clasts of quartz, propylitic/potassic altered granodiorite, chlorite, carbonate, and disseminated to blebby pyrite.
	106.32	15.5	HQ	GRD	1390.8	890.1	2.88	2.8	Part one of a 38cm breccia vein zone. Major brecciation occurs along the upper zone of the vein, carrying cobble sized clasts of argillic to propylitic granodiorite. Transitions quartz/carbonate veining that hosts blebby brown sphalerite, disseminated galena, and disseminated to blebby pyrite. Brecciation still occurs distal to this venining, but in smaller sand to pebble sized clasts. Vein zone then transitions into a zone of quartz flooded ranodiorite, which carries a main vein of semi-massive to blebby pyrite, and disseminated pyrite throughout. Vein zone found within 14cm of upper quartz feldspar porphyry dyke.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	106.6	16	HQ	GRD	1479.3	979.8	2.97	3.0	Part two of a 38cm breccia vein zone. Major brecciation occurs along the upper zone of the vein, carrying cobble sized clasts of argillic to propylitic granodiorite. Transitions quartz/carbonate veining that hosts blebby brown sphalerite, disseminated galena, and disseminated to blebby pyrite. Brecciation still occurs distal to this venining, but in smaller sand to pebble sized clasts. Vein zone then transitions into a zone of quartz flooded ranodiorite, which carries a main vein of semi-massive to blebby pyrite, and disseminated pyrite throughout. Vein zone found within 14cm of upper quartz feldspar porphyry dyke.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	127.08	16	HQ	GRD	1521.2	1006.2	3.05	3.0	Smokey quartz/carbonate vein hosting semi-massive blebs of honey brown sphalerite (slight zoning apparent), disseminated galena, and disseminated to slightly blebby pyrite. Found within propylitic altered granodiorite. Piece also contains smokey quartz/carbonate/black breccia vein carrying clasts of propylitic granodiorite, quartz, and carbonte clasts ranging from sand to cobble in size. Quartz/carbonate veining occurs along upper selvedge of vein, with large blebby pyrite found distal to carbonate and quartz veining.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.61	4.56	2.95	OVB	--	Organics and overburden							
						MD	BR					
4.56	11.76	7.20	GRD	--	Extremely weathered and oxidized zone of granodiorite. Displays small patches of propylitic alteration. Zone is intensely fractured throughout, with the exception of the propylitic altered patch of granodiorite.							
						MD	OR	RB	PRO	2I		
						LT	GN	PA	OXI	5I		
						LT	OR	FR	OXI	4I		
						DK	OR					
11.76	14.25	2.49	GRD	--	Severely clay altered granodiorite. Intense to severe oxidation is present throughout, as well as rubbly zones. Clay altered granodiorite contains highly fractured and rubbly patches of black and red rubble, from broken down quartz veining and previous alteration. Interval is soft enough to be penetrated with scribe.							
						MD	OR	PA	OXI	4I		
						MD	WH					
						MD	RD					
						LT	OR	RB	CLY	5I		
						DK	OR					
14.25	14.85	0.60	CLY	--	Severely clay altered zone of granodiorite that carries multiple smoke quartz veins. Alteration has created rubbly zones of smokey quartz intermixed with pyrite. Moderate to strong oxidation present throughout.							
						MD	OR	RB	OXI	4I		
						LT	OR	PA	CLY	5I	Py	1
						LT	WH		OXI	3I		
14.85	16.96	2.11	GRD	MG	Patches of weak to moderate clay altered granodiorite found among strongly oxidized argillic granodiorite. Moderate oxidation is present throughout, as well as rubbly zones.							
						MD	OR	RB	OXI	3I		
						MD	BR					
						LT	OR	PA	CLY	3I		
						LT	BR	FR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
29.12	29.84	0.72	GRD	MG	Highly fractured argillic to weakly propylitic granodiorite.							
						MD	GN		PRO	2I		
						LT	WH	FR	ARG	2I		
34.00	36.01	2.01	GRD	MG	Patchy alteration halo displaying weak to slightly moderate argillic, propylitic, and phyllic alteration. Small pyrite stringers sporadically present throughout.							
						MD	GN		PHC	2I		
						LT	WH	PA	ARG	2I	Py	0.1
						LT	GN		PRO	2I		
38.87	50.84	11.97	GRD	MG	Large halo zone of moderate to strongly alternating argillic, propylitic, phyllic, and argillic/propylitic altered granodiorite. Contains a small zone of argillic/propylitic with trace potassic alteration at end of interval. Hosts multiple zones of mineralization throughout, with sulfide mineralziation.							
						MD	WH				Gn	0.1
						MD	GN				Gn	1
						LT	GN	PA			Sp	1
						LT	RD				Py	1
											Py	0.1
											Sp	0.1
59.00	62.42	3.42	GRD	MG	Weakly argillic altered granodiorite with trace to weak propylitic to potassic patches of overprinting.							
						MD	WH		PRO	2I		
						LT	RD	PA	ARG	2I		
						LT	GN		ARG	3I		
									POT	2I		
63.36	64.83	1.47	GRD	MG	Halo of weak to moderate argillic alteration with patchy phyllic and propylitic overprinting. Hosts Quartz carbonate vein within.							
						MD	GN		PRO	2I		
						LT	GN	PA	ARG	2I	Py	0.1
									PRO	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.94	68.29	2.35	GRD	MG	Halo of moderate propylitic altered granodiorite transitioning into argillic propylitic to argillic phyllic altered granodiorite within the centre of the halo. Hosts a 5cm and 4cm quartz vein carrying sulfides.							
						MD	GN	PA	PRO	2I	Py	1
						MD	WH		PHC	2I	Sp	0.1
						LT	GN		PRO	3I	Gn	1
									PHC	3I		
									ARG	2I		
71.50	72.50	1.00	GRD	MG	Argillic/phyllic altered halo within granodiorite.							
						LT	GN		PHC	2I		
									ARG	2I		
79.37	79.86	0.49	GRD	MG	Argillic/propylitic halo carrying a 1cm quartz veinlet bearing sulfides.							
									ARG	2I	Py	2
									PRO	2I	Sp	2
											Gn	2
84.40	86.00	1.60	GRD	MG	Fractured propylitic granodiorite transitioning to moderaetly argillic/propylitic altered granodiorite. Borders a light brown quartz feldspar porphyry dyke along its lower selvedge. Last 13cm of interval displays quartz flooding with initial signs of rock breakdown.							
						MD	GN	FR	PRO	2I	Py	1
						MD	WH		ARG	2I		
						LT	GN		PRO	3I		
									ARG	3I		
86.00	92.31	6.31	QFP	FG	Light brown to light green quartz feldspar porphyry dyke. Contains fractured intervals.							
						LT	GN	PO				
						LT	BR					
92.31	106.90	14.59	GRD	FG	Large halo of moderate to strong argillic/apropylitic, argillic/phyllic altered granodiorite found in the footwall of the Klaza zone, after the lower selvedge of a quartz feldspar porhyry dyke. This halo is a vein zone carrying multiple veins of significance sporadically mineralized throughout the entire zone.							
						MD	GN		ARG	3I	Py	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PHC	2I	Sp	3
						LT	GN	PA	ARG	2I	Gn	3
									PHC	3I	Gn	1
									PRO	2I	Py	1
									PRO	3I	Sp	1
									PHC	4I		
106.90	107.98	1.08	QFP	FG	Brown to green quartz feldspar porphyry dyke. Dyke carries minor breccia like textures along upper selvedge carrying carbonate and clay clasts.							
								PO				
								BX				
107.98	109.00	1.02	GRD	MG	Multiple halos of moderate to strong argillic/apropylitic, argillic/phyllic altered granodiorite found in the footwall of the Klaza zone, after the lower selvedge of a quartz feldspar porhyry dyke. This halo is a vein zone carrying multiple veins of significance sporadically mineralized throughout the entire zone.							
						MD	GN		PHC	4I	Gn	2
						LT	GN	PA	PHC	3I	Py	4
									PRO	2I	Gn	1
									ARG	2I	Sp	1
									PRO	3I	Py	1
109.00	110.15	1.15	GRD	MG	Zone of barren weak to moderate argillic altered granodiorite with weak propylitic to potassic overprinting.							
						MD	WH		POT	2I		
						LT	GN		ARG	3I		
						LT	PK		PRO	2I		
110.15	116.00	5.85	GRD	MG	Multiple halos of moderate to strong argillic/apropylitic, argillic/phyllic altered granodiorite found in the footwall of the Klaza zone, after the lower selvedge of a quartz feldspar porhyry dyke. This halo is a vein zone carrying multiple veins of significance sporadically mineralized throughout the entire zone.							
						MD	GN		PHC	3I		
						MD	WH		PRO	2I		
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
117.39	122.17	4.78	GRD	MG	halo of alternating propylitic, phyllic, argillic alteration with multiple veins and breccias occuring.							
						MD	GN	FR	PHC	4I		
						MD	WH		PRO	3I		
						LT	GN	PA	PHC	3I	Py	3
									PRO	2I		
									ARG	2I		
122.17	125.87	3.70	QFP	FG	Highly fractured brown quartz feldspar porphyry dyke with fine to medium grain clasts							
						LT	BR	PO				
125.87	127.37	1.50	GRD	MG	Strong phyllic to propylitic altered granodiorite hosting both a both black breccia and a 20cm breccia vein zone. Found within 1.5m of the lower selvedge of a quartz feldspar porphyry dyke.							
						MD	GN	PA	PHC	3I	Sp	3
						DK	GN	BX	PHC	4I	Py	3
									PRO	3I	Gn	0.1
									PRO	4I		
127.37	143.00	15.63	GRD	MG	Large interval of patchy moderate argillic to argillic with phyllic/propylitic overprinted granodiorite, alternating with patchy moderate propylitic and phyllic (single alteration) intervals. Zone contains rubbly intervals displaying moderate gouge alteration, and multiple small veins. Sporadic weak potassic overprinting found throughout argillic and propylitic alterations.							
						MD	GN		PHC	4I		
						MD	WH		PHC	2I		
						LT	GN		PHC	3I	Py	1
						LT	WH		PRO	2I		
						DK	GN		PRO	3I		
									POT	3I		
									ARG	4I		
									ARG	2I		
									ARG	3I		
143.00	161.00	18.00	GRD	MG	Unaltered granodiote with patches of weak to moderate argillic alteration. Contains zones of highly fractured rock.							
						MD	WH	FR	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	2I		
161.00	164.88	3.88	GRD	MG	Weak to moderately argillic altered granodiorite with weak to moderate phyllic to propylitic overprinting. Hosts a zone of smokey quartz/carbonate veining.							
						MD	GN		ARG	3I		
						LT	GN	PA	ARG	2I		
						LT	WH		PRO	2I		
									PHC	2I		
									PHC	3I		
164.88	173.00	8.12	GRD	MG	Unaltered granodiorite with patchy znes of weak propylitic alteartion. Occasional joints and veining display argillic, propylitic, and phyllic halos							
						MD	WH		ARG	2I		
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.61	4.56	2.95	OVB	--	Organics and overburden							
						MD	BR	PA				
								FR				
4.56	11.76	7.20	GRD	--	Extremely weathered and oxidized zone of granodiorite. Displays small patches of propylitic alteration. Zone is intensely fractured throughout, with the exception of the propylitic altered patch of granodiorite.							
						DK	OR					
						LT	GN	PA	OXI	5I		
						LT	OR	FR	OXI	4I		
						MD	OR	RB	PRO	2I		
11.76	14.25	2.49	CLY	--	Severely clay altered granodiorite. Intense to severe oxidation is present throughout, as well as rubbly zones. Clay altered granodiorite contains highly fractured and rubbly patches of black and red rubble, from broken down quartz veining and previous alteration. Interval is soft enough to be penetrated with scribe.4							
						MD	RD					
						MD	WH					
						DK	OR					
						MD	OR	PA	OXI	4I		
						LT	OR	RB	CLY	5I		
14.25	14.85	0.60	CLY	--	Severely clay altered zone of granodiorite that carries multiple smoke quartz veins. Alteration has created rubbly zones of smokey quartz intermixed with pyrite. Moderate to strong oxidation present throughout.							
						MD	OR	RB	OXI	4I		
						LT	OR	PA	CLY	5I	Py	1
						LT	WH		OXI	3I		
14.85	16.96	2.11	GRD	MG	Patches of weak to moderate clay altered granodiorite found among strongly oxidized argillic granodiorite. Moderate oxidation is present throughout, as well as rubbly zones.							
						LT	OR	PA	CLY	3I		
						MD	BR					
						LT	BR	FR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	RB	OXI	3I		
16.96	38.87	21.91	GRD	MG	Unaltered granodiorite displaying patchy trace to weak propylitic alteration, patchy phyllic alteratoin, and patchy oxidized argillic altered granodiorite. Oxidation is present in patches throughout, but mainly focused along areas of argillic alteration. No significant alteration present within zone. Highly fractured areas are present along argillic alteration.							
						LT	WH		PHC	2I		
						MD	GN		PRO	3I		
						LT	GN	PA	ARG	2I	Py	0.1
						LT	OR	FR	PRO	2I		
									OXI	2I		
									OXI	3I		
38.87	50.84	11.97	GRD	MG	Large halo zone of moderate to strongly alternating argillic, propylitic, phyllic, and argillic/propylitic altered granodiorite. Contains a small zone of argillic/propylitic with trace potassic alteration at end of interval. Hosts multiple zones of mineralization throughout, with sulfide mineralziation.							
						MD	WH				Gn	0.1
											Sp	0.1
											Py	0.1
						MD	GN				Gn	1
						LT	RD				Py	1
						LT	GN	PA			Sp	1
59.00	62.42	3.42	GRD	MG	Weakly argillic altered granodiorite with trace to weak propylitic to potassic patches of overprinting.							
									POT	2I		
						MD	WH		PRO	2I		
						LT	GN		ARG	3I		
						LT	RD	PA	ARG	2I		
62.42	84.40	21.98	GRD	MG	Unaltered granodiorite with intermittent argillic altered halos with phyllic propylitic overprinting throughout. Halos host sulfide mineraliation of significance							
						MD	GN		PHC	2I	Sp	1
						LT	GN	PA	PRO	2I	Py	1
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	3I		
						MD	WH		PHC	3I	Gn	1
84.40	86.00	1.60	GRD	MG	Fractured propylitic granodiorite transitioning to moderaetly argillic/propylitic altered granodiorite. Borders a light brown quartz feldspar porphyry dyke along its lower selvedge. Last 13cm of interval displays quartz flooding with initial signs of rock breakdown.							
						LT	GN		PRO	3I		
						MD	WH		ARG	2I		
						MD	GN	FR	PRO	2I	Py	1
									ARG	3I		
86.00	92.31	6.31	QFP	FG	Light brown to light green quartz feldspar porphyry dyke. Contains fractured intervals.							
						LT	BR					
						LT	GN	PO				
92.31	106.90	14.59	GRD	FG	Large halo of moderate to strong argillic/apropylitic, argillic/phyllic altered granodiorite found in the footwall of the Klaza zone, after the lower selvedge of a quartz feldspar porhyry dyke. This halo is a vein zone carrying multiple veins of significance sporadically mineralized throughout the entire zone. A roughly 1m section of dyke crosscuts mineralized halo at 107m.							
						LT	GN	PA	ARG	2I	Gn	3
						MD	WH		PHC	2I	Sp	3
									PHC	3I	Gn	1
									PRO	2I	Py	1
									PRO	3I	Sp	1
									PHC	4I		
						MD	GN		ARG	3I	Py	3
106.90	107.98	1.08	QFP	FG	Brown to green quartz feldspar porphyry dyke. Dyke carries minor breccia like textures along upper selvedge carrying carbonate and clay clasts.							
								BX				
								PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
107.98	122.17	14.19	GRD	MG	halo of moderate to strong argillic/apropylitic, argillic/phyllic altered granodiorite found in the footwall of the Klaza zone, after the lower selvedge of a quartz feldspar porhyry dyke. This halo is a vein zone carrying multiple veins of significance sporadically mineralized throughout the entire zone. Halo alteration is patchy throughout, with a small interval of unaltered granodiorite present.							
						MD	WH		PRO	2I	Gn	1
									ARG	2I	Sp	1
						LT	PK		PRO	3I	Py	1
						MD	GN		PHC	4I	Gn	2
						LT	GN	PA	PHC	3I	Py	4
122.17	125.87	3.70	QFP	FG	Highly fractured brown quartz feldspar porphyry dyke with fine to medium grain clasts							
						LT	BR	PO				
125.87	127.37	1.50	GRD	MG	Strong phyllic to propylitic altered granodiorite hosting both a both black breccia and a 20cm breccia vein zone. Found within 1.5m of the lower selvedge of a quartz feldspar porphyry dyke.							
									PRO	4I		
						MD	GN	PA	PHC	3I	Sp	3
						DK	GN	BX	PHC	4I	Py	3
									PRO	3I	Gn	0.1
127.37	143.00	15.63	GRD	MG	Large interval of patchy moderate argillic to argillic with phyllic/propylitic overprinted granodiorite, alternating with patchy moderate propylitic and phyllic (single alteration) intervals. Zone contains rubbly intervals displaying moderate gouge alteration, and multiple small veins. Sporadic weak potassic overprinting found throughout argillic and propylitic alterations.							
									POT	3I		
									ARG	3I		
									ARG	4I		
									ARG	2I		
						DK	GN		PRO	3I		
						LT	WH		PRO	2I		
						MD	WH		PHC	2I		
						LT	GN		PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	4I		
143.00	161.00	18.00	GRD	MG	Unaltered granodiote with patches of weak to moderate argillic alteration. Contains zones of highly fractured rock.							
						MD	WH	FR	ARG	3I		
						LT	WH	PA	ARG	2I		
161.00	164.88	3.88	GRD	MG	Weak to moderately argillic altered granodiorite with weak to moderate phyllic to propylitic overprinting. Hosts a zone of smokey quartz/carbonate veining.							
						LT	GN	PA	ARG	2I		
						MD	GN		ARG	3I		
						LT	WH		PRO	2I		
									PHC	2I		
									PHC	3I		
164.88	173.00	8.12	GRD	MG	Unaltered granodiorite with patchy znes of weak propylitic alteartion. Occasional joints and veining display argillic, propylitic, and phyllic halos							
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.00	2.00	0.27	14	0.00	0	--	1H	6W	overburden and soil
2.00	5.00	3.00	2.29	76	0.44	15	--	1H	6W	overburden, some large pieces/boulders
5.00	8.00	3.00	2.53	84	0.73	24	--	2H	5W	
8.00	11.00	3.00	2.31	77	0.59	20	--	2H	4W	strongly weathered with some larger fresh pieces
11.00	14.00	3.00	2.49	83	0.00	0	--	1H	5W	mineralized zone, extremely clay altered
14.00	17.00	3.00	2.71	90	0.00	0	--	2H	5W	
17.00	20.00	3.00	2.93	98	1.26	42	--	3H	3W	
20.00	23.00	3.00	3	100	2.07	69	--	4H	2W	
23.00	26.00	3.00	2.89	96	1.95	65	--	4H	2W	
26.00	29.00	3.00	2.76	92	1.97	66	--	3H	3W	
29.00	32.00	3.00	2.95	98	1.24	41	--	3H	2W	
32.00	35.00	3.00	2.84	95	2.08	69	--	3H	2W	
35.00	38.00	3.00	2.68	89	1.47	49	--	3H	2W	
38.00	41.00	3.00	2.89	96	1.40	47	--	3H	3W	
41.00	44.00	3.00	2.84	95	1.49	50	--	3H	2W	
44.00	47.00	3.00	3	100	2.66	89	--	3H	2W	
47.00	50.00	3.00	3	100	1.49	50	--	3H	1W	
50.00	53.00	3.00	3	100	2.08	69	--	4H	1W	
53.00	56.00	3.00	2.99	100	1.51	50	--	4H	1W	
56.00	59.00	3.00	3	100	2.34	78	--	4H	1W	
59.00	62.00	3.00	3	100	2.46	82	--	4H	1W	
62.00	65.00	3.00	3	100	2.55	85	--	4H	1W	
65.00	68.00	3.00	3	100	1.71	57	--	4H	1W	
68.00	71.00	3.00	3	100	1.60	53	--	4H	1W	
71.00	74.00	3.00	2.99	100	1.53	51	--	3H	1W	
74.00	77.00	3.00	3	100	0.91	30	--	3H	1W	
77.00	80.00	3.00	2.96	99	1.33	44	--	4H	1W	
80.00	83.00	3.00	3	100	2.02	67	--	4H	1W	
83.00	86.00	3.00	2.88	96	1.13	38	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.96	99	1.47	49	--	3H	1W	
89.00	92.00	3.00	2.99	100	1.56	52	--	3H	1W	
92.00	95.00	3.00	2.95	98	1.13	38	--	3H	1W	
95.00	98.00	3.00	3	100	2.42	81	--	3H	1W	
98.00	101.00	3.00	3	100	2.00	67	--	3H	1W	
101.00	104.00	3.00	2.96	99	1.60	53	--	2H	1W	
104.00	107.00	3.00	2.99	100	2.16	72	--	3H	1W	
107.00	110.00	3.00	3	100	1.05	35	--	3H	1W	
110.00	113.00	3.00	2.95	98	1.35	45	--	3H	1W	
113.00	116.00	3.00	3	100	2.17	72	--	3H	1W	
116.00	119.00	3.00	2.98	99	1.18	39	--	4H	1W	
119.00	122.00	3.00	3	100	1.59	53	--	3H	1W	
122.00	125.00	3.00	2.89	96	0.99	33	--	3H	1W	
125.00	128.00	3.00	2.85	95	1.16	39	--	2H	1W	
128.00	131.00	3.00	2.99	100	1.11	37	--	2H	1W	
131.00	134.00	3.00	2.95	98	1.55	52	--	3H	1W	
134.00	137.00	3.00	2.96	99	1.31	44	--	3H	1W	
137.00	140.00	3.00	2.93	98	1.00	33	--	2H	1W	
140.00	143.00	3.00	2.96	99	0.78	26	--	2H	1W	
143.00	146.00	3.00	3	100	2.10	70	--	4H	1W	
146.00	149.00	3.00	2.85	95	0.58	19	--	2H	1W	
149.00	152.00	3.00	2.98	99	0.73	24	--	2H	1W	
152.00	155.00	3.00	3	100	1.47	49	--	3H	1W	
155.00	158.00	3.00	3	100	1.90	63	--	3H	1W	
158.00	161.00	3.00	3	100	1.02	34	--	2H	1W	
161.00	164.00	3.00	3	100	2.73	91	--	3H	1W	
164.00	167.00	3.00	3	100	2.25	75	--	3H	1W	
167.00	170.00	3.00	3	100	1.96	65	--	3H	1W	
170.00	173.00	3.00	3	100	1.41	47	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
7	0.208	GRD	
8	0.417	GRD	
9	0.35	GRD	
10	0.363	GRD	
11	0.291	GRD	
11	0.028	GRD	
12	0.127	CLY	
13	0.261	CLY	
14	0.545	CLY	
15	1.35	GRD	
16	16.3	GRD	
17	29.2	GRD	
18	21	GRD	
19	19.3	GRD	
20	25.5	GRD	
21	27.7	GRD	
22	32.9	GRD	
23	32.9	GRD	
24	43.1	GRD	
25	11.1	GRD	
26	5	GRD	
27	0.776	GRD	
28	0.471	GRD	
29	9.24	GRD	
30	0.636	GRD	
31	1.7	GRD	
32	27.6	GRD	
33	6.02	GRD	
34	2.68	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
35	0.726	GRD	
36	0.429	GRD	
37	9.04	GRD	
38	0.845	GRD	
39	0.39	GRD	
40	1.03	GRD	
41	0.38	GRD	
42	0.304	GRD	
43	0.295	GRD	
44	1.02	GRD	
45	0.485	GRD	
46	0.367	GRD	
47	1.01	GRD	
48	0.769	GRD	
49	0.641	GRD	
50	1.59	GRD	
51	16.96	GRD	
52	18.32	GRD	
53	22.61	GRD	
54	18.03	GRD	
55	25.47	GRD	
56	0.306	GRD	
57	31.02	GRD	
58	33.16	GRD	
59	1.511	GRD	
59	1.511	GRD	
60	0.338	GRD	
61	0.332	GRD	
62	0.872	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
63	22.04	GRD	
64	29.31	GRD	
65	27.38	GRD	
66	1.986	GRD	
67	0.12	GRD	
68	1.587	GRD	
69	15.76	GRD	
70	24.73	GRD	
71	27.14	GRD	
72	0.342	GRD	
73	23.11	GRD	
74	20.38	GRD	
75	23.67	GRD	
76	39.02	GRD	
77	16.56	GRD	
78	26.21	GRD	
79	18	GRD	
80	21.46	GRD	
81	27.85	GRD	
82	21.43	GRD	
83	3.938	GRD	
84	20.99	GRD	
85	0.145	GRD	
86	0.257	GRD	
86	0.257	QFP	
87	0.214	QFP	
88	0.188	QFP	
89	0.277	QFP	
90	0.196	QFP	
91	0.206	QFP	
92	0.299	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
93	0.315	GRD	
94	0.309	GRD	
95	0.206	GRD	
96	0.289	GRD	
97	0.31	GRD	
98	6.189	GRD	
99	9.284	GRD	
100	0.24	GRD	
101	0.168	GRD	
102	0.265	GRD	
103	0.284	GRD	
104	0.376	GRD	
105	0.306	GRD	
106	0.262	GRD	
107	0.391	QFP	
108	0.459	GRD	
109	0.394	GRD	
110	0.579	GRD	
111	0.267	GRD	
112	7.913	GRD	
113	0.475	GRD	
114	1.47	GRD	
115	3.275	GRD	
116	20.88	GRD	
117	1.983	GRD	
118	0.747	GRD	
119	6.868	GRD	
120	0.505	GRD	
121	0.371	GRD	
122	0.742	GRD	
123	0.315	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
124	0.267	QFP	
125	0.252	QFP	
126	0.438	GRD	
127	0.305	GRD	
128	0.65	GRD	
129	0.358	GRD	
130	0.427	GRD	
131	0.285	GRD	
132	0.652	GRD	
133	0.565	GRD	
134	0.597	GRD	
135	0.792	GRD	
136	0.195	GRD	
137	0.145	GRD	
138	0.224	GRD	
139	0.157	GRD	
140	0.21	GRD	
141	0.463	GRD	
142	0.204	GRD	
143	8.89	GRD	
143	8.89	GRD	
144	30.46	GRD	
145	28.23	GRD	
146	34.94	GRD	
147	0.392	GRD	
148	0.407	GRD	
149	20.45	GRD	
150	0.301	GRD	
151	0.29	GRD	
152	1.137	GRD	
153	0.582	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
154	8.045	GRD	
155	25.69	GRD	
156	0.095	GRD	
157	0.239	GRD	
158	0.047	GRD	
159	15.32	GRD	
160	8.93	GRD	
161	23.17	GRD	
161	23.17	GRD	
162	6.1	GRD	
163	0.384	GRD	
164	0.513	GRD	
165	0.357	GRD	
166	1.072	GRD	
167	0.168	GRD	
168	19.82	GRD	
169	2.259	GRD	
170	10.856	GRD	
171	2.161	GRD	
172	0.55	GRD	
173	18.54	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047602	☐	16-054			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047610	☐	16-054		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047625	☐	16-054			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047637	☐	16-056			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047696	☐	16-056			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047699	☐	16-056		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047707	☐	16-058			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047712	☐	16-058		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047715	☐	16-058			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047597	☐	16-054		KL-STD4	☐	☐	☐
8.00	8.80	0.80	GRD	0.80	100	S047593	☐	16-054			☐	☐	☐
8.80	9.46	0.66	GRD	0.66	100	S047594	☐	16-054			☐	☐	☐
9.46	10.45	0.99	GRD	0.99	100	S047595	☐	16-054			☐	☐	☐
10.45	11.90	1.45	GRD	1.28	88	S047596	☐	16-054			☐	☐	☐
11.90	13.09	1.19	CLY	0.97	82	S047598	☐	16-054			☐	☐	☐
13.09	14.06	0.97	CLY	0.91	94	S047599	☐	16-054			☐	☐	☐
14.06	14.79	0.73	CLY	0.63	86	S047600	☐	16-054			☐	☐	☐
14.79	15.47	0.68	CLY	0.68	100	S047601	☐	16-054			☐	☐	☐
15.47	16.76	1.29	GRD	1.29	100	S047603	☐	16-054			☐	☐	☐
47.50	48.00	0.50	GRD	0.50	100	S047604	☐	16-054			☐	☐	☐
48.00	48.84	0.84	GRD	0.84	100	S047605	☐	16-054			☐	☐	☐
48.00	48.84	0.84	GRD	0.84	100	S047606	☐	16-054			☐	☐	☑
48.84	49.34	0.50	GRD	0.50	100	S047607	☐	16-054			☐	☐	☐
55.85	56.35	0.50	GRD	0.50	100	S047608	☐	16-054			☐	☐	☐
66.47	66.89	0.42	GRD	0.41	98	S047609	☐	16-054			☐	☐	☐
66.89	67.58	0.69	GRD	0.68	99	K292763	☐	16-020	HG		☐	☐	☐
67.58	68.23	0.65	GRD	0.53	82	S047611	☐	16-054			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
79.45	80.00	0.55	GRD	0.50	91	S047612	☐	16-054			☐	☐	☐
82.50	83.00	0.50	GRD	0.50	100	S047613	☐	16-054			☐	☐	☐
92.61	93.43	0.82	GRD	0.82	100	S047614	☐	16-054			☐	☐	☐
93.43	94.01	0.58	GRD	0.58	100	S047615	☐	16-054			☐	☐	☐
94.01	94.51	0.50	GRD	0.50	100	S047616	☐	16-054			☐	☐	☐
94.51	95.74	1.23	GRD	1.18	96	S047617	☐	16-054			☐	☐	☐
95.74	97.30	1.56	GRD	1.56	100	S047618	☐	16-054			☐	☐	☐
97.30	98.30	1.00	GRD	1.00	100	S047619	☐	16-054			☐	☐	☐
98.30	99.84	1.54	GRD	1.54	100	S047620	☐	16-054			☐	☐	☐
99.84	100.39	0.55	GRD	0.50	91	S047621	☐	16-054			☐	☐	☐
99.84	100.39	0.55	GRD	0.50	91	S047622	☐	16-054			☐	☑	☐
100.39	101.08	0.69	GRD	0.69	100	S047623	☐	16-054			☐	☐	☐
101.08	101.64	0.56	GRD	0.56	100	S047624	☐	16-054			☐	☐	☐
101.64	102.42	0.78	GRD	0.78	100	S047626	☐	16-054			☐	☐	☐
102.42	103.60	1.18	GRD	0.96	81	S047694	☐	16-056			☐	☐	☐
103.60	104.30	0.70	GRD	0.67	96	S047695	☐	16-056			☐	☐	☐
104.30	105.00	0.70	GRD	0.65	93	S047697	☐	16-056			☐	☐	☐
105.00	106.15	1.15	GRD	1.12	97	S047698	☐	16-056			☐	☐	☐
106.15	106.77	0.62	GRD	0.62	100	K292764	☐	16-020	HG		☐	☐	☐
106.77	107.27	0.50	GRD	0.50	100	S047700	☐	16-056			☐	☐	☐
107.27	108.02	0.75	QFP	0.75	100	S047627	☐	16-056			☐	☐	☐
108.02	108.46	0.44	GRD	0.44	100	S047628	☐	16-056			☐	☐	☐
108.46	108.96	0.50	GRD	0.50	100	S047629	☐	16-056			☐	☐	☐
108.96	109.46	0.50	GRD	0.50	100	S047630	☐	16-056			☐	☐	☐
108.96	109.46	0.50	GRD	0.50	100	S047631	☐	16-056			☐	☑	☐
109.46	110.53	1.07	GRD	0.97	91	S047632	☐	16-056			☐	☐	☐
110.53	111.03	0.50	GRD	0.50	100	S047633	☐	16-056			☐	☐	☐
111.03	112.39	1.36	GRD	1.34	99	S047634	☐	16-056			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
112.39	113.90	1.51	GRD	1.51	100	S047635	☐	16-056			☐	☐	☐
113.90	114.40	0.50	GRD	0.50	100	S047636	☐	16-056			☐	☐	☐
114.40	115.28	0.88	GRD	0.88	100	S047638	☐	16-056			☐	☐	☐
115.28	115.78	0.50	GRD	0.50	100	S047639	☐	16-056			☐	☐	☐
115.78	116.93	1.15	GRD	1.15	100	S047640	☐	16-056			☐	☐	☐
115.78	116.93	1.15	GRD	1.15	100	S047641	☐	16-056			☐	☐	☑
116.93	117.96	1.03	GRD	1.00	97	S047642	☐	16-056			☐	☐	☐
117.96	118.46	0.50	GRD	0.50	100	S047643	☐	16-056			☐	☐	☐
118.46	119.96	1.50	GRD	1.50	100	S047644	☐	16-058			☐	☐	☐
119.96	120.58	0.62	GRD	0.62	100	S047645	☐	16-058			☐	☐	☐
120.58	121.33	0.75	GRD	0.75	100	S047646	☐	16-058			☐	☐	☐
121.33	121.93	0.60	GRD	0.60	100	S047647	☐	16-058			☐	☐	☐
121.33	121.93	0.60	GRD	0.60	100	S047648	☐	16-058			☐	☑	☐
121.93	123.68	1.75	GRD	1.64	94	S047649	☐	16-058			☐	☐	☐
123.68	125.70	2.02	QFP	1.58	78	S047650	☐	16-058			☐	☐	☐
125.70	126.24	0.54	QFP	0.50	93	S047701	☐	16-058			☐	☐	☐
126.24	126.85	0.61	GRD	0.50	82	S047702	☐	16-058			☐	☐	☐
126.85	127.45	0.60	GRD	0.50	83	S047703	☐	16-058			☐	☐	☐
127.45	129.09	1.64	GRD	1.40	85	S047704	☐	16-058			☐	☐	☐
129.09	129.59	0.50	GRD	0.50	100	S047705	☐	16-058			☐	☐	☐
138.18	138.73	0.55	GRD	0.55	100	S047706	☐	16-058			☐	☐	☐
138.73	139.24	0.51	GRD	0.51	100	S047708	☐	16-058			☐	☐	☐
139.24	140.00	0.76	GRD	0.76	100	S047709	☐	16-058			☐	☐	☐
140.00	140.98	0.98	GRD	0.98	100	S047710	☐	16-058			☐	☐	☐
155.94	156.58	0.64	GRD	0.64	100	S047711	☐	16-058			☐	☐	☐
156.58	157.73	1.15	GRD	1.15	100	S047713	☐	16-058			☐	☐	☐
157.73	158.27	0.54	GRD	0.54	100	S047714	☐	16-058			☐	☐	☐
158.27	158.77	0.50	GRD	0.50	100	S047716	☐	16-058			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
158.77	161.44	2.67	GRD	2.66	100	S047717	☐	16-058			☐	☐	☐
161.44	161.94	0.50	GRD	0.50	100	S047718	☐	16-058			☐	☐	☐
161.94	163.11	1.17	GRD	1.17	100	S047719	☐	16-058			☐	☐	☐
161.94	163.11	1.17	GRD	1.17	100	S047720	☐	16-058			☐	☐	☑
163.11	163.61	0.50	GRD	0.50	100	S047721	☐	16-058			☐	☐	☐
163.61	164.74	1.13	GRD	0.99	88	S047722	☐	16-058			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.00			☐	☐	☐	☐	
16-056	S047637	0.00	0.00	0.00	700	☐	☐	☑	☐	
16-056	S047696	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-056	S047699	0.00	0.00	0.86	1100	☐	☐	☐	☑ KL-STD5	
16-058	S047707	0.00	0.00	0.01	80	☐	☐	☑	☐	
16-058	S047712	0.00	0.00	0.36	470	☐	☐	☐	☑ KL-STD4	
16-058	S047715	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-054	S047597	0.00	0.00	0.33	350	☐	☐	☐	☑ KL-STD4	
16-054	S047602	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-054	S047610	0.00	0.00	4.45	130	☐	☐	☐	☑ KL-STD1	
16-054	S047625	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-054	S047593	8.00	8.80	0.31	530	☐	☐	☐	☐	
16-054	S047594	8.80	9.46	8.65	330	☐	☐	☐	☐	
16-054	S047595	9.46	10.45	0.01	1580	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-054	S047596	10.45	11.90	0.04	930	☐	☐	☐	☐	
16-054	S047598	11.90	13.09	2.65	1640	☐	☐	☐	☐	
16-054	S047599	13.09	14.06	0.18	900	☐	☐	☐	☐	
16-054	S047600	14.06	14.79	1.27	430	☐	☐	☐	☐	
16-054	S047601	14.79	15.47	0.02	2050	☐	☐	☐	☐	
16-054	S047603	15.47	16.76	0.01	2990	☐	☐	☐	☐	
		16.76	47.50			☐	☐	☐	☐	
16-054	S047604	47.50	48.00	0.02	1070	☐	☐	☐	☐	
16-054	S047605	48.00	48.84	0.51	380	☐	☐	☐	☐	
16-054	S047606	48.00	48.84	1.18	390	☐	☑	☐	☐	
16-054	S047607	48.84	49.34	0.03	1620	☐	☐	☐	☐	
		49.34	55.85			☐	☐	☐	☐	
16-054	S047608	55.85	56.35	0.07	1900	☐	☐	☐	☐	
		56.35	66.47			☐	☐	☐	☐	
16-054	S047609	66.47	66.89	0.01	1320	☐	☐	☐	☐	
16-020	K292763	66.89	67.58	0.34	780	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-054	S047611	67.58	68.23	0.10	1570	☐	☐	☐	☐	
		68.23	79.45			☐	☐	☐	☐	
16-054	S047612	79.45	80.00	0.01	1780	☐	☐	☐	☐	
		80.00	82.50			☐	☐	☐	☐	
16-054	S047613	82.50	83.00	0.03	1480	☐	☐	☐	☐	
		83.00	92.61			☐	☐	☐	☐	
16-054	S047614	92.61	93.43	0.11	1710	☐	☐	☐	☐	
16-054	S047615	93.43	94.01	0.01	1860	☐	☐	☐	☐	
16-054	S047616	94.01	94.51	0.04	2140	☐	☐	☐	☐	
16-054	S047617	94.51	95.74	0.05	2160	☐	☐	☐	☐	
16-054	S047618	95.74	97.30	0.12	1460	☐	☐	☐	☐	
16-054	S047619	97.30	98.30	0.01	2060	☐	☐	☐	☐	
16-054	S047620	98.30	99.84	0.01	2180	☐	☐	☐	☐	
16-054	S047621	99.84	100.39	0.36	190	☐	☐	☐	☐	
16-054	S047622	99.84	100.39	1.13	490	☑	☐	☐	☐	
16-054	S047623	100.39	101.08	0.85	340	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-054	S047624	101.08	101.64	0.31	170	☐	☐	☐	☐	
16-054	S047626	101.64	102.42	0.01	2380	☐	☐	☐	☐	
16-056	S047694	102.42	103.60	0.04	1030	☐	☐	☐	☐	
16-056	S047695	103.60	104.30	0.28	1000	☐	☐	☐	☐	
16-056	S047697	104.30	105.00	0.01	2770	☐	☐	☐	☐	
16-056	S047698	105.00	106.15	0.13	3580	☐	☐	☐	☐	
16-020	K292764	106.15	106.77	3.09	420	☐	☐	☐	☐	
16-056	S047700	106.77	107.27	0.11	1220	☐	☐	☐	☐	
16-056	S047627	107.27	108.02	0.04	1870	☐	☐	☐	☐	
16-056	S047628	108.02	108.46	0.41	1140	☐	☐	☐	☐	
16-056	S047629	108.46	108.96	5.31	1040	☐	☐	☐	☐	
16-056	S047630	108.96	109.46	0.00	1500	☐	☐	☐	☐	
16-056	S047631	108.96	109.46	0.00	1440	☑	☐	☐	☐	
16-056	S047632	109.46	110.53	0.01	1620	☐	☐	☐	☐	
16-056	S047633	110.53	111.03	0.05	1450	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-056	S047634	111.03	112.39	0.00	2110	☐	☐	☐	☐	
16-056	S047635	112.39	113.90	0.01	1900	☐	☐	☐	☐	
16-056	S047636	113.90	114.40	0.82	2630	☐	☐	☐	☐	
16-056	S047638	114.40	115.28	0.01	2230	☐	☐	☐	☐	
16-056	S047639	115.28	115.78	0.24	1210	☐	☐	☐	☐	
16-056	S047640	115.78	116.93	0.00	2270	☐	☐	☐	☐	
16-056	S047641	115.78	116.93	0.00	2280	☐	☑	☐	☐	
16-056	S047642	116.93	117.96	0.01	2350	☐	☐	☐	☐	
16-056	S047643	117.96	118.46	0.03	1950	☐	☐	☐	☐	
16-058	S047644	118.46	119.96	0.00	2510	☐	☐	☐	☐	
16-058	S047645	119.96	120.58	0.34	1310	☐	☐	☐	☐	
16-058	S047646	120.58	121.33	0.01	1760	☐	☐	☐	☐	
16-058	S047647	121.33	121.93	0.11	990	☐	☐	☐	☐	
16-058	S047648	121.33	121.93	0.08	1100	☑	☐	☐	☐	
16-058	S047649	121.93	123.68	0.03	1010	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-058	S047650	123.68	125.70	0.00	980	☐	☐	☐	☐	
16-058	S047701	125.70	126.24	0.23	1020	☐	☐	☐	☐	
16-058	S047702	126.24	126.85	0.32	930	☐	☐	☐	☐	
16-058	S047703	126.85	127.45	2.00	320	☐	☐	☐	☐	
16-058	S047704	127.45	129.09	0.01	2020	☐	☐	☐	☐	
16-058	S047705	129.09	129.59	0.01	1010	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-058	S047706	138.18	138.73	0.93	600	☐	☐	☐	☐	
16-058	S047708	138.73	139.24	0.12	460	☐	☐	☐	☐	
16-058	S047709	139.24	140.00	0.57	780	☐	☐	☐	☐	
16-058	S047710	140.00	140.98	0.01	800	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-058	S047711	155.94	156.58	0.01	1760	☐	☐	☐	☐	
16-058	S047713	156.58	157.73	0.03	620	☐	☐	☐	☐	
16-058	S047714	157.73	158.27	9.54	1010	☐	☐	☐	☐	
16-058	S047716	158.27	158.77	2.95	1970	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-058	S047717	158.77	161.44	0.01	2240	☐	☐	☐	☐	
16-058	S047718	161.44	161.94	0.53	350	☐	☐	☐	☐	
16-058	S047719	161.94	163.11	0.05	1880	☐	☐	☐	☐	
16-058	S047720	161.94	163.11	0.06	1810	☐	☑	☐	☐	
16-058	S047721	163.11	163.61	0.01	2980	☐	☐	☐	☐	
16-058	S047722	163.61	164.74	0.02	3230	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
9.12	9.23	VN	37	85	NUL	1	11cm smokey quartz/quartz vein found within highly clay altered and oxidized granodiorite. Vein hosts disseminated to blebby pyrite. Vein has a pitted texture along pyrite mineralization.			
								Py	5	DI
12.05	12.40	VN	37	-	NUL	1	Severely clay altered granodiorite carrying a vein zone. Vein zone is indistuguishable due to the severity of the clay alteration and breakdown, but quartz fragments can be found within, and black clay gouge is seen around the perimeter of the core.			
14.41	14.44	VN	37	40	NUL	1	Intensely clay altered zone of granodiorite carrying a 2cm Smokey quartz vein. Vein zone is highly fractured and rubbly, but displays clasts of quartz with disseminated pyrite throughout.			
								Py	2	DI
28.04	28.06	VN	37	65	NUL	1	2cm smokey quartz carbonate vein found within phyllic altered granodiorite. Vein hosts disseminated pyrite distal to veining.			
								Py	3	DI
35.00	35.03	VN	37	85	NUL	1	2cm banded smokey quartz/carbonate vein hosting disseminated pyrite throughout.			
								Py	0.1	DI
41.25	41.26	VN	37	45	NUL	1	Moderately propylitic altered granodiorite carrying a 1cm smokey quartz/carbonate vein. Hosts trace disseminated pyrite.			
								Py	0.1	DI
43.03	43.04	VT	37	50	NUL	1	Smokey quartz veinlet cound within phyllic granodiorite. Hosts disseminated sphalerite, and galena.			
								Sp	1	DI
								Gn	1	DI
44.51	44.54	VN	37	85	NUL	1	3cm smokey quartz carbonate vein found within a halo of argillic/phyllic granodiorite. Vein hosts Disseminated to blebby pyrite, blebby galena, and disseminated black to brown sphalerite.			
								Sp	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	4	BL
								Gn	2	BL
48.13	48.14	VT	37	60	NUL	1	0.8cm carbonate veinlet hosting disseminated pyrite and blebby sphalerite.			
								Py	1	DI
								Sp	85	BL
48.79	48.81	VN	37	60	NUL	1	2cm smokey quartz vein hosting disseminated pyrite found along the lower selvedge of a 10cm carbonate vein			
								Py	1	DI
56.05	56.10	VN	37	80	NUL	1	5cm quartz/smokey quartz/carbonate vein hosting disseminated pyrite.			
								Py	3	DI
66.93	66.98	VN	37	75	NUL	1	5cm quartz/smokey quartz vein crosscutting argillic/phyllic granodiorite. Vein hosts blebby pyrite and minor blebby sphalerite. Contains 3cm of smokey quartz vein intruding through the centre of the vein.			
								Py	15	BL
								Sp	2	BL
67.33	67.41	VN	37	80	NUL	1	1.5cm smokey quartz vein hosting disseminated pyrite. Mineralization continues past the lower selvedge of the vein, carrying blebby pyite and galena. Vein zone is weakly gouge altered.			
								Gn	3	BL
								Py	2	BL
								Py	2	DI
79.66	79.67	VT	37	80	NUL	1	0.6cm quartz veinlet hosting blebs of sphalerite, galena, and pyrite. Found within a propylitic granodiorite halo.			
								Sp	8	BL
								Py	8	BL
								Gn	8	BL
83.73	83.75	VN	37	65	NUL	1	1.5cm quartz vein hosting blebby pyrite, as awell as minor blebby galena and sphalerite			
								Py	12	BL
								Sp	4	BL
								Gn	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
100.00	101.48	VT	37	70	NUL	5	5 quartz to quartz carbonate veinlets ranging from 1 to 0.3cm in size hosting disseminated pyrite, and occasional minor blebby sphalerite. Attitude ranges between 65-80*TCA			
								Py	8	DI
								Sp	1	BL
100.00	103.00	VN	37	65	NUL	1	3cm quartz carbonate vein hosting disseminated pyrite, and disseminated sphalerite.			
								Sp	3	DI
								Py	8	DI
101.24	101.39	VN	37	60	NUL	1	14.5cm smokey quartz vein crosscutting phyllic altered granodiorite. Vein weakly brecciates granodiorite, carrying pebble to cobble sized clasts in its matrix, as well as white quartz, and disseminated pyrite. At 101.34m, white quartz vein intrudes smokey quartz vein, hosting blebby pyrite, and zoned honey brown sphalerite.			
								Py	7	BL
								Sp	4	BL
								Py	2	DI
104.04	104.13	BX	34	70	NUL	1	Black breccia crosscutting phyllic granodiorite. Carries sand to small pebble sized clasts.			
105.00	105.20	BX	34	85	NUL	1	20cm black breccia crosscutting argillic/propylitic granodiorite. Breccia carries sand to large cobble sized clasts of quartz, propylitic/potassic altered granodiorite, chlorite, carbonate, and disseminated to blebby pyrite.			
								Py	0.1	BL
								Py	2	DI
106.17	106.19	VN	37	75	NUL	1	2cm black breccia vein carrying small sand sized clasts of granodiorite matrix.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
106.39	106.77	BV		75	NUL	1	38cm breccia vein zone. Major brecciation occurs along the upper zone of the vein, carrying cobble sized clasts of argillic to propylitic granodiorite. Transitions quartz/carbonate veining that hosts blebby brown sphalerite, disseminated galena, and disseminated to blebby pyrite. Brecciation still occurs distal to this venining, but in smaller sand to pebble sized clasts. Vein zone then transitions into a zone of quartz flooded ranodiorite, which carries a main vein of semi-massive to blebby pyrite, and disseminated pyrite throughout. Vein zone found within 14cm of upper quartz feldspar porphyry dyke.			
								Gn	1	BL
								Py	3	DI
								Py	7	MA
								Sp	4	BL
								Sp	1	DI
108.08	108.14	VN	37	85	NUL	1	6.5cm quartz vein hosting massive galena, ansd blebby pyrite. Mineralization occurs proximal to veining. Found within weakly gouge altered and quartz flooded phyllic to propylitic granodiorite along the lower selvedge of a quartz feldspar porphyry dyke.			
								Py	15	BL
								Gn	75	MA
108.29	108.34	VN	37	-	NUL	1	Flooded quartz vein hosting blebby galena, and disseminated galena.			
								Py	40	BL
								Gn	2	DI
108.63	108.74	VN	37	85	NUL	1	11cm Smokey quartz to quartz vein. Vein hosts disseminated to blebby pyrite throughout, with minor amounts of disseminated sphalerite.			
								Sp	2	DI
								Py	25	BL
110.20	110.21	VN	37	70	NUL	1	Barren 1cm smokey quartz/carbonate vein within argillic to weakly phyllic granodiorite.			
110.69	110.72	BX	34	50	NUL	1	Black breccia crosscutting argillic to propylitic granodiorite. Carries clasts of blebby pyrite, and host granodiorite.			
								Py	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
110.87	110.92	VN	37	80	NUL	1	Net texture carboante veining with no visible mineralization			
113.91	114.01	VN	37	80	NUL	1	Quartz flooded granodiorite hosting a 10cm quartz carbonate vein. Vein hosts blebby pyrite dispersed throughout, disseminated brown sphalerite, and disseminated to blebby galena.			
115.61	115.71	VN	37	75	NUL	1	Weakly silicified argillic granodiorite carrying a 10cm smokey quartz vein breccia. Smokey quartz brecciates both quartz and argillic and clay clasts. Disseminated to blebby pyrite found throughout.			
								Py	2	BL
								Py	2	DI
118.43	118.50	BX	34	-	NUL	1	Black breccia crosscutting argillic/phyllic altered granodiorite. Breccia carries clasts of quartz, carbonate, chlorite, and granodiorite in roughly pebble to cobble size.			
120.32	120.72	BX	34	60	NUL	1	Black breccia zone crosscutting propylitic altered granodiorite. Carries clasts of carbonate, granodiorite, chlorite, and pyrite ranging from sand to cobble size.			
								Py	1	DI
126.71	126.97	BX	34	80	NUL	1	Black breccia carrying large clasts of propylitic granodiorite hostind disseminated pyrite, carbonate, and argillic granodiorite.			
								Py	1	DI
127.08	127.10	VN	37	60	NUL	1	Smokey quartz/carbonate vein hosting semi-massive blebs of honey brown sphalerite (slight zoning apparent), disseminated galena, and disseminated to slightly blebby pyrite. Found within propylitic altered granodiorite.			
								Py	2	BL
								Gn	1	DI
								Sp	85	MA
								Py	1	DI
127.13	127.26	VB	37	80	NUL	1	Smokey quartz/carbonate/black breccia vein carrying clasts of propylitic granodiorite, quartz, and carbonte clasts ranging from sand to cobble in size. Quartz/carbonate veining occurs along upper selvedge of vein, with large blebby pyrite found distal to carbonate and quartz veining.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	30	BL
128.37	128.60	VN	37	-	NUL	2	Moderate to strongly gouge altered vein zone within argillic/trace phyllic granodiorite. Gouge altered smokey quartz veins host trace disseminated pyrite.			
136.18	136.45	VN	37	15	NUL	1	Shallow dipping clay altered vein zone carrying disseminated pyrite.			
								Py	4	DI
138.30	138.41	VN	37	-	NUL	1	Highly fractured quartz carbonate vein hosting blebby pyrite, honey brown sphalerite. Interval is highly gouge altered and found within argillic granoiorite with weak phyllic overprinting.			
								Py	25	BL
								Sp	15	BL
139.39	140.00	VN	37	5	NUL	1	Extremely shallow angle gouge altered quartz vein hosting disseminted pyrite throughout. Interval is severely gouge altered.			
								Py	6	DI
156.14	156.17	VN	37	75	NUL	1	3cm quartz carbonate vein with no mineralization			
157.29	157.40	VN	37	70	NUL	2	Smokey quartz veins hosting blebby pyrite.			
								Py	20	BL
161.58	161.67	VN	37	80	NUL	1	9cm quartz vein with a band of smokey quartz in the centre. Hosts blebby pyrite throughout.			
								Py	12	BL
163.40	163.46	VN	37	50	NUL	1	6cm banded smokey quartz/quartz carbonate vein hosting disseminated pyrite along its upper selvedges.			
								Py	4	DI
167.14	167.18	VT	37	85	NUL	1	0.5cm quartz carbonate vein hosting disseminated pyrite.			
								Py	8	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382995	6890167	1355.96	143

ZONE: Central Klaza

SECTION:

HOLE: KL-16-317

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 4.57m, Out

Drilling Dates: Jul 18 - Jul 19, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
8	34.1	-50.2	Reflex
143	32.2	-50.7	Reflex

TARGET: Lower Klaza Veins

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2	2	CAS
2	3.37	1.37	OVB
3.37	14.32	10.95	GRD
14.32	17.79	3.47	GRD
17.79	22.05	4.26	GRD
22.05	24.89	2.84	GRD
24.89	38.2	13.31	GRD
38.2	39.39	1.19	GRD
39.39	40.13	0.74	QFP
40.13	41.54	1.41	GRD
41.54	56.74	15.2	GRD
56.74	57.4	0.66	GRD
57.4	64.72	7.32	QFP
64.72	65.21	0.49	GRD
65.21	72.96	7.75	QFP
72.96	77.48	4.52	GRD

SAMPLES	
Numbers:	K292765 to K292768, S047723 to S047791
Total:	73
Batch:	058, 060, 061, 064
Certificates:	VA16121848, VA16123340, VA16123341, VA16127969

COMMENTS

77.48	88.37	10.89	GRD
88.37	103.82	15.45	GRD
103.82	104.58	0.76	GRD
104.58	105.78	1.2	QFP
105.78	106.47	0.69	GRD
106.47	132.87	26.4	GRD
132.87	143	10.13	GRD

Box Log

KL-16-317

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2	4.96
2	4.96	7.93
3	7.93	10.93
4	10.93	13.96
5	13.96	16.83
6	16.83	19.78
7	19.78	22.71
8	22.71	25.4
9	25.4	28.36
10	28.36	31.28
11	31.28	34.49
12	34.49	37.49
13	37.49	40.5
14	40.5	43.64
15	43.64	46.71
16	46.71	49.68
17	49.68	52.65
18	52.65	55.76
19	55.76	58.81
20	58.81	61.85
21	61.85	64.88
22	64.88	67.66
23	67.66	70.78
24	70.78	73.84
25	73.84	76.92
26	76.92	79.81
27	79.81	82.86
28	82.86	85.73
29	85.73	88.89
30	88.89	91.68
31	91.68	95
32	95	98.06
33	98.06	101.16
34	101.16	104.34
35	104.34	107.35
36	107.35	110.37
37	110.37	113.65
38	113.65	116.3
39	116.3	119.21
40	119.21	122.26
41	122.26	125.23
42	125.23	128.36
43	128.36	131.48
44	131.48	134.26
45	134.26	137.65
46	137.65	140.87
47	140.87	143

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-317									
	18.25	22	HQ	GRD	1926	1235.9	2.81	2.8	Piece is part of the Central Klaza Vein Zone. 1.53m vein zone carrying numerous significant smokey quartz, smokey quartz/carbonate, and carbonate veins. Vein zone is carried by phyllic to argillic/phyllic altered granodiorite. Mineralization of vein zone includes blebby pyrite, brown to honey brown sphalerite (zoned), galena, disseminated arsenopyrite, and disseminated jamesonite.
	21.81	12	HQ	GRD	1257.6	873.5	3.36	3.3	Piece is part of the Central Klaza Vein Zone. This oxidized zone of smokey quartz/carbonate hosts goethite mineralization, as well as disseminated pyrite and sphalerite from before oxidation began. Smokey quartz hosting massive pyrite, galena, sphalerite, and blebby arsenopyrite. Vein displays interstitial carbonate veining. Severe oxidation (red colour) occurs along fractures.
	88.5	16	HQ	GRD	1308.7	848.3	2.62	2.8	Smokey quartz breccia vein hosting blebby galena, sphalerite, and semi massive blebby pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	93.72	16.5	HQ	GRD	1438	908.6	2.8	2.7	Argillic phyllic altered granodiorite with minor quartz veining and disseminated pyrite
	109.82	14.5	HQ	GRD	1174.8	733.2	2.6	2.7	Argillic propylitic altered granodiorite with trace potassic alteration.
	126.57	17	HQ	GRD	1824.9	1284.3	3.44	3.4	6cm polymetallic quartz vein hosting blebby sphalerite, galena, pyrite, and arsenopyrite. Found in lightly silica flooded propylitic altered granodiorite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.37	14.32	10.95	GRD	MG	Unaltered to trace propylitic/potassic altered granodiorite with patchy zones of oxidation and weathering. Granodiorite zone carries a phyllic/propylitic halo within zone (no mineralized veins within).							
						MD	GN	FR	OXI	4I		
						LT	GN	PA	OXI	3I		
						LT	PK		PRO	2I		
									POT	2I		
									PHC	2I		
14.32	17.79	3.47	GRD	MG	Halo of moderate to strong phyllic, argillic, argillic/propylitic, an propylitic altered granodiorite. Hosts small veins carrying sulfies within.							
						MD	GN				Sp	1
						MD	WH				Gn	0.5
						LT	GN	PA			Py	2
						DK	GN					
17.79	22.05	4.26	GRD	MG	Vein zone of weak argillic/phyllic altere granodiorite transitioning to heavily oxidized granodiorite. Vein zone multiple veins of significance, smokey quartz veins displaying brecciation, carbonate veins displaying net texture, and severely oxidized highly fracture vein zones.							
						MD	OR	VU	OXI	2I	As	1
						MD	WH	FR	OXI	4I	Py	4
						MD	TN		PHC	3I		
						MD	BL		ARG	2I		
						LT	OR	RB	OXI	3I	Gn	2
						LT	GN	PA	OXI	5I	So	6
						LT	BR		PRO	2I		
						DK	OR		PHC	2I	Sp	1
									CLY	3I		
22.05	24.89	2.84	GRD	MG	Outer halo of previous vein zone. Interval contains gouge altered zones of argillic/phyllic granodiorite, as well as heavily oxidized intervals of granodiorite displaying argillic/propylitic alteration.							
								RB	PRO	2I	Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
								PA	OXI	3I	Py	1
								FR	OXI	4I	Gn	1
									PHC	2I		
									ARG	3I		
24.89	38.20	13.31	GRD	MG	Interval of patchy argillic/propylitic, argillic/phyllic, and weakly propylitic to phyllic altered granodiorite. Contains zones of oxidation found along fractures and joints, as well as sporadic argillic altered rubble zones. Hosts quartz carbonate veins throughout.							
						MD	GN	RB	ARG	3I	Sp	0.1
						MD	WH		PHC	2I	Gn	0.1
						LT	GN	PA	ARG	2I	Py	0.1
									PHC	3I		
									PRO	2I		
									PRO	3I		
38.20	39.39	1.19	GRD	MG	Moderate to strongly gouge altered quartz flooded propylitic altered granodiorite. Displays high fractures, and clay/gouge infill.							
								FR	PRO	2I		
									SIL	2I		
39.39	40.13	0.74	QFP	MG	Strongly silicified brown quartz feldspar porphyry dyke. DIsplays sections of moderate gouge alteration.							
						MD	BR	PO				
40.13	41.54	1.41	GRD	MG	Phyllic to propylitic altered granodiorite located along the lower footwall of quartz feldspar porphyry dyke. Hosts mineralization in smokey quartz carbonate veins.							
						MD	GN		PHC	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
											As	0.1
									PRO	3I	Gn	1
41.54	56.70	15.16	GRD	MG	Zone of weak propylitic granodiorite transitioning into argillic altered granodiorite with patchy phyllic to propylitic overprinting.							
						MD	GN		PRO	2I	As	1
						MD	WH		PRO	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	2
									ARG	2I	Gn	1
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
56.74	56.95	0.21	GRD	MG	Argillic granodiorite with weak phyllic overprinting. Granodiorite hosts a 27cm polymetallic vein. Interval is along the upper selvedge of a dyke							
						MD	GN		PHC	3I	Gn	5
						LT	GN		PHC	2I	Sp	25
											As	1
									ARG	2I	Py	4
62.82	64.72	1.90	QFP	FG	Dark to medium red quartz feldspar porphyry dyke.							
						MD	RD	PO				
						DK	RD					
64.72	65.21	0.49	GRD	MG	Quartz flooded argillic/propylitic altered granodiorite displaying brecciation throughout. Black breccia and carbonate veining brecciate host granodiorite carrying sand to pebble sized clasts of host rock, carbonate, blay, and blebby pyrite.							
						MD	GN	PA	ARG	2I		
						MD	BL	BX	PRO	3I	Py	6
						LT	TN					
65.21	72.96	7.75	QFP	FG	medium to light brown quartz feldspar porphyry dyke. Carbonate stringers found throughout.							
						MD	BR	PO				
						LT	BR					
72.96	77.48	4.52	GRD	MG	Weakly propylitic to potassic altered granodiorite. Contains small patches of argillic alteration.							
						MD	GN	PA	PRO	2I		
						LT	GN		ARG	2I		
						LT	PK		POT	2I		
77.48	88.37	10.89	GRD	MG	Granodiorite alternating between moderate phyllic, argillic, argillic/phyllic, weak propylitic, and moderate argillic/propylitic alteration. Contains veins of black breccia sporadically crosscutting throughout the entire inveral. Sporadic gouge altered and highly fractured zones also present.							
						MD	GN	PA	PHC	2I	Py	1
						MD	WH	BX	PHC	4I		
						LT	GN	FR	PHC	3I		
									PRO	2I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	3I		
88.37	89.28	0.91	GRD	MG	Patchy zones of argillic/phyllic, argillic/propylitic, propylitic, and phyllic altered granodiorite. Contains a small zone of gouge alteration.							
						MD	GN	FR	PHC	3I		
						LT	GN	PA	PHC	2I	Py	0.1
									ARG	2I		
									PRO	2I		
									PRO	3I		
89.28	90.29	1.01	GRD	MG	Zone of argillic/phyllic granodiorite displaying weak to moderate gouge alteration. Zone hosts two gouge altered and broken down quartz veinlets with disseminated pyrite.							
						MD	GN	RB	PHC	3I		
						LT	GN	FR	PHC	2I	Py	1
103.82	104.58	0.76	GRD	MG	Zone of propylitic to argillic/propylitic altered granodiorite hosting a series of quartz and quartz/carbonate veins to veinlets. Hosts sulfide. Zone displays moderate gouge alteration along lower selvedge of zone, and is located along the upper margin of a dyke.							
						MD	GN		PRO	3I	Gn	2
						MD	WH		ARG	2I	Py	2
						LT	GN	FR	PRO	2I	Sp	6
											Py	1
104.58	105.78	1.20	QFP	FG	Brown quartz feldspar porphyry dyke transitioning into light red dyke. Dyke displays breakdown and clay alteration in sporadic sections.							
						MD	BR	PO				
						MD	RD					
						LT	RD					
105.78	106.47	0.69	GRD	MG	Heavily mineralized quartz flooded propylitic granodiorite. Vein zone is partially fractured.							
						MD	GN				Sp	3
						LT	GN	FR	PHC	3I	Py	20
											Gn	1
											As	0.1
106.47	131.48	25.01	GRD	MG	Altered zone of granodiorite displaying argillic, argillic/phyllic, argillic/propylitic, and propylitic alterted granodiorite. Contains patches of fractured and gouge altered granodiorite sporadically throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PRO	3I		
						LT	WH	RB	PHC	2I		
						LT	GN	PA	PRO	2I	Py	1
									PHC	3I		
									ARG	2I		
132.87	143.00	10.13	GRD	MG	Zone of alternating moderate to strong argillic/phyllic to phyllic altered granodiorite. Contains patches of weak propylitic alteration sporadically throughout. Interval hosts multiple veins and veinlets.							
						MD	GN		PHC	4I	Py	1
						MD	WH		PRO	2I	Gn	1
						LT	GN	PA	PHC	3I	Py	1
											As	1
									ARG	3I	Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.37	14.32	10.95	GRD	MG	Unaltered to trace propylitic/potassic altered granodiorite with patchy zones of oxidation and weathering. Granodiorite zone carries a phyllic/propylitic halo within zone (no mineralized veins within).							
						LT	GN	PA	OXI	3I		
						MD	GN	FR	OXI	4I		
						LT	PK		PRO	2I		
									POT	2I		
									PHC	2I		
14.32	17.79	3.47	GRD	MG	Halo of moderate to strong phyllic, argillic, argillic/propylitic, an propylitic altered granodiorite. Hosts small veins carrying sulfies within.							
						LT	GN	PA			Py	2
						MD	GN				Sp	1
						MD	WH				Gn	0.5
						DK	GN					
17.79	22.05	4.26	GRD	MG	Vein zone of weak argillic/phyllic altere granodiorite transitioning to heavily oxidized granodiorite. Vein zone multiple veins of significance, smokey quartz veins displaying brecciation, carbonate veins displaying net texture, and severely oxidized highly fracture vein zones.							
						MD	OR	VU	OXI	2I	As	1
									CLY	3I		
						MD	BL		ARG	2I		
						LT	BR		PRO	2I		
						DK	OR		PHC	2I	Sp	1
						LT	OR	RB	OXI	3I	Gn	2
						MD	WH	FR	OXI	4I	Py	4
						LT	GN	PA	OXI	5I	So	6
						MD	TN		PHC	3I		
22.05	24.89	2.84	GRD	MG	Outer halo of previous vein zone. Interval contains gouge altered zones of argillic/phyllic granodiorite, as well as heavily oxidized intervals of granodiorite displaying argillic/propylitic alteration.							
								PA	OXI	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
								FR	OXI	4I	Gn	1
								RB	PRO	2I	Sp	1
									PHC	2I		
									ARG	3I		
24.89	38.20	13.31	GRD	MG	Interval of patchy argillic/propylitic, argillic/phyllic, and weakly propylitic to phyllic altered granodiorite. Contains zones of oxidation found along fractures and joints, as well as sporadic argillic altered rubble zones. Hosts quartz carbonate veins throughout.							
									PRO	3I		
									PRO	2I		
						LT	GN	PA	ARG	2I	Py	0.1
						MD	GN	RB	ARG	3I	Sp	0.1
						MD	WH		PHC	2I	Gn	0.1
									PHC	3I		
38.20	39.39	1.19	GRD	MG	Moderate to strongly gouge altered quartz flooded propylitic altered granodiorite. Displays high fractures, and clay/gouge infill.							
								FR	PRO	2I		
									SIL	2I		
39.39	40.13	0.74	QFP	MG	Strongly silicified brown quartz feldspar porphyry dyke. DIsplays sections of moderate gouge alteration.							
						MD	BR	PO				
40.13	41.54	1.41	GRD	MG	Phyllic to propylitic altered granodiorite located along the lower footwall of quartz feldspar porphyry dyke. Hosts mineralization in smokey quartz carbonate veins.							
						MD	GN		PHC	3I	Sp	1
									PRO	3I	Gn	1
											As	0.1
						LT	GN	PA	PHC	2I	Py	1
41.54	56.74	15.20	GRD	MG	Zone of weak to moderate propylitic granodiorite transitioning into weak argillic altered granodiorite with patchy phyllic to propylitic overprinting.							
						MD	GN		PRO	2I	As	1
						LT	GN	PA	PHC	2I	Py	2
									POT	1I		
									PRO	3I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PRO	3I	Sp	1
									ARG	2I	Gn	1
56.74	57.40	0.66	GRD	MG	Argillic granodiorite with weak phyllic overprinting. Granodiorite hosts a 27cm polymetallic vein. Interval is along the upper selvedge of a dyke							
						MD	GN		PHC	3I	Gn	5
									ARG	2I	Py	4
											As	1
						LT	GN		PHC	2I	Sp	25
57.40	64.72	7.32	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning into medium to dark red quartz feldspar porphyry dyke.							
						MD	RD					
						LT	BR					
						DK	RD					
64.72	65.21	0.49	GRD	MG	Quartz flooded argillic/propylitic altered granodiorite displaying brecciation throughout. Black breccia and carbonate veining brecciate host granodiorite carrying sand to pebble sized clasts of host rock, carbonate, blay, and blebby pyrite.							
						MD	BL	BX	PRO	3I	Py	6
						MD	GN	PA	ARG	2I		
						LT	TN					
65.21	72.96	7.75	QFP	FG	medium to light brown quartz feldspar porphyry dyke. Carbonate stringers found throughout.							
						MD	BR	PO				
						LT	BR					
72.96	77.48	4.52	GRD	MG	Weakly propylitic to potassic altered granodiorite. Contains small patches of argillic alteration.							
						MD	GN	PA	PRO	2I		
						LT	PK		POT	2I		
						LT	GN		ARG	2I		
77.48	88.37	10.89	GRD	MG	Granodiorite alternating between moderate phyllic, argillic, argillic/phyllic, weak propylitic, and moderate argillic/propylitic alteration. Contains veins of black breccia sporadically crosscutting throughout the entire inveral. Sporadic gouge altered and highly fractured zones also present.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH	BX	PHC	4I		
									PRO	3I		
									PRO	2I		
						MD	GN	PA	PHC	2I	Py	1
						LT	GN	FR	PHC	3I		
									ARG	3I		
88.37	103.82	15.45	GRD	MG	Patchy zones of argillic/phyllic, argillic/propylitic, propylitic, and phyllic altered granodiorite. Contains a small zone of gouge alteration.							
						MD	GN	FR	PHC	3I		
									ARG	2I		
									PRO	2I		
						LT	GN	PA	PHC	2I	Py	0.1
									PRO	3I		
103.82	104.58	0.76	GRD	MG	Zone of propylitic to argillic/propylitic altered granodiorite hosting a series of quartz and quartz/carbonate veins to veinlets. Hosts sulfide. Zone displays moderate gouge alteration along lower selvedge of zone, and is located along the upper margin of a dyke.							
											Py	1
						MD	WH		ARG	2I	Py	2
						MD	GN		PRO	3I	Gn	2
						LT	GN	FR	PRO	2I	Sp	6
104.58	105.78	1.20	QFP	FG	Brown quartz feldspar porphyry dyke transitioning into light red dyke. Dyke displays breakdown and clay alteration in sporadic sections.							
						MD	BR	PO				
						LT	RD					
						MD	RD					
105.78	106.47	0.69	GRD	MG	Heavily mineralized quartz flooded propylitic granodiorite. Vein zone is partially fractured.							
											As	0.1
						LT	GN	FR	PHC	3I	Py	20
						MD	GN				Sp	3
											Gn	1
106.47	132.87	26.40	GRD	MG	Altered zone of granodiorite displaying argillic, argillic/phyllic, argillic/propylitic, and propylitic alterted granodiorite. Contains patches of fractured and gouge altered granodiorite sporadically throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PRO	3I		
						LT	WH	RB	PHC	2I		
									PHC	3I		
									ARG	2I		
						LT	GN	PA	PRO	2I	Py	1
132.87	143.00	10.13	GRD	MG	Zone of alternating moderate to strong argillic/phyllic to phyllic altered granodiorite. Contains patches of weak propylitic alteration sporadically throughout. Interval hosts multiple veins and veinlets.							
									ARG	3I	Sp	1
						LT	GN	PA	PHC	3I	Py	1
						MD	GN		PHC	4I	Py	1
						MD	WH		PRO	2I	Gn	1
											As	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.00	2.00	0	0	0.00	0	--	--	--	Cased
2.00	5.00	3.00	2.5	83	0.20	7	--	1H	5W	
5.00	8.00	3.00	2.8	93	1.28	43	--	3H	4W	
8.00	11.00	3.00	2.96	99	1.54	51	--	3H	3W	
11.00	14.00	3.00	3	100	2.19	73	--	3H	3W	
14.00	17.00	3.00	2.99	100	1.48	49	--	3H	1W	
17.00	20.00	3.00	3	100	2.16	72	--	3H	1W	
20.00	23.00	3.00	2.8	93	0.29	10	--	2H	4W	
23.00	26.00	3.00	3	100	1.34	45	--	3H	3W	
26.00	29.00	3.00	3	100	1.75	58	--	3H	3W	
29.00	32.00	3.00	3	100	1.57	52	--	3H	2W	
32.00	35.00	3.00	2.99	100	1.68	56	--	4H	2W	
35.00	38.00	3.00	3	100	2.25	75	--	4H	2W	
38.00	41.00	3.00	3	100	0.52	17	--	2H	1W	
41.00	44.00	3.00	3	100	2.05	68	--	3H	1W	
44.00	47.00	3.00	3	100	1.32	44	--	3H	1W	
47.00	50.00	3.00	3	100	1.55	52	--	3H	1W	
50.00	53.00	3.00	3	100	1.90	63	--	3H	1W	
53.00	56.00	3.00	2.98	99	1.46	49	--	2H	1W	
56.00	59.00	3.00	2.97	99	2.05	68	--	3H	1W	
59.00	62.00	3.00	3	100	1.78	59	--	3H	1W	
62.00	65.00	3.00	3	100	1.89	63	--	3H	1W	
65.00	68.00	3.00	2.95	98	0.89	30	--	3H	1W	
68.00	71.00	3.00	3	100	2.67	89	--	3H	1W	
71.00	74.00	3.00	2.98	99	2.08	69	--	3H	1W	
74.00	77.00	3.00	3	100	2.11	70	--	4H	1W	
77.00	80.00	3.00	2.98	99	1.70	57	--	2H	1W	
80.00	83.00	3.00	2.99	100	1.17	39	--	3H	1W	
83.00	86.00	3.00	3	100	0.98	33	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	3	100	2.06	69	--	3H	1W	
89.00	92.00	3.00	2.95	98	1.46	49	--	2H	1W	
92.00	95.00	3.00	3	100	2.48	83	--	3H	1W	
95.00	98.00	3.00	3	100	1.66	55	--	4H	1W	
98.00	101.00	3.00	3	100	1.88	63	--	4H	1W	
101.00	104.00	3.00	3	100	1.74	58	--	3H	1W	
104.00	107.00	3.00	2.94	98	1.61	54	--	2H	1W	
107.00	110.00	3.00	3	100	2.61	87	--	3H	1W	
110.00	113.00	3.00	3	100	1.94	65	--	4H	1W	
113.00	116.00	3.00	2.9	97	2.12	71	--	3H	1W	
116.00	119.00	3.00	2.92	97	1.35	45	--	3H	1W	
119.00	122.00	3.00	3	100	2.57	86	--	3H	1W	
122.00	125.00	3.00	2.99	100	1.70	57	--	3H	1W	
125.00	128.00	3.00	3	100	2.29	76	--	3H	1W	
128.00	131.00	3.00	3	100	1.99	66	--	3H	1W	
131.00	134.00	3.00	2.99	100	1.55	52	--	3H	1W	
134.00	137.00	3.00	3	100	2.13	71	--	4H	1W	
137.00	140.00	3.00	3	100	2.15	72	--	3H	1W	
140.00	143.00	3.00	3	100	2.57	86	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	cased
2	21.8	OVB	
2	21.8	CAS	
3	17	OVB	
4	28.4	GRD	
5	20.1	GRD	
6	22.9	GRD	
7	24.6	GRD	
8	20.6	GRD	
9	24.2	GRD	
10	20.9	GRD	
11	22.9	GRD	
12	0.638	GRD	
13	2.4	GRD	
14	12	GRD	
15	13.4	GRD	
16	0.494	GRD	
17	0.494	GRD	
18	0.215	GRD	
19	0.629	GRD	
20	0.409	GRD	
21	2.02	GRD	
22	0.21	GRD	
23	0.314	GRD	
24	0.296	GRD	
25	0.325	GRD	
26	0.437	GRD	
27	0.737	GRD	
28	0.332	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.585	GRD	
30	0.292	GRD	
31	0.63	GRD	
32	0.452	GRD	
33	0.348	GRD	
34	0.513	GRD	
35	121.51	GRD	
36	1.52	GRD	
37	0.4	GRD	
38	0.414	GRD	
39	0.162	GRD	
40	0.334	QFP	
41	0.353	GRD	
42	17.4	GRD	
43	18.6	GRD	
44	0.533	GRD	
45	1.13	GRD	
46	0.566	GRD	
47	0.572	GRD	
48	0.264	GRD	
49	0.431	GRD	
50	0.481	GRD	
51	0.742	GRD	
52	0.454	GRD	
53	0.429	GRD	
54	0.366	GRD	
55	0.987	GRD	
56	0.483	GRD	
57	0.205	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.66	QFP	
59	0.275	QFP	
60	0.262	QFP	
61	2.03	QFP	
62	0.231	QFP	
63	0.261	QFP	
64	0.607	QFP	
65	0.649	GRD	
66	0.263	QFP	
67	0.481	QFP	
68	0.376	QFP	
69	0.255	QFP	
70	0.426	QFP	
71	0.295	QFP	
72	0.267	QFP	
73	0.431	GRD	
74	0.517	GRD	
75	0.329	GRD	
76	0.537	GRD	
77	2.74	GRD	
78	0.742	GRD	
79	0.589	GRD	
80	0.424	GRD	
81	2.12	GRD	
82	2.19	GRD	
83	0.767	GRD	
84	2.93	GRD	
85	5.69	GRD	
86	0.477	GRD	
87	0.313	GRD	
88	0.557	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.179	GRD	
90	0.344	GRD	
91	0.307	GRD	
92	10.18	GRD	
93	0.372	GRD	
94	0.415	GRD	
95	11.31	GRD	
96	1.16	GRD	
97	0.706	GRD	
98	5.762	GRD	
99	1.167	GRD	
100	8.528	GRD	
101	5.559	GRD	
102	3.313	GRD	
103	0.203	GRD	
104	0.477	GRD	
105	0.664	QFP	
106	0.25	GRD	
107	7.96	GRD	
108	0.681	GRD	
109	0.228	GRD	
110	0.53	GRD	
111	39.1	GRD	
112	33.1	GRD	
113	30.5	GRD	
114	2.66	GRD	
115	23.1	GRD	
116	29.7	GRD	
117	12.1	GRD	
118	19.8	GRD	
119	0.665	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	7.09	GRD	
121	4.01	GRD	
122	1.53	GRD	
123	0.413	GRD	
124	0.255	GRD	
125	0.725	GRD	
126	0.879	GRD	
127	0.108	GRD	
128	1.44	GRD	
129	1.58	GRD	
130	0.539	GRD	
131	2.29	GRD	
132	0.324	GRD	
133	0.232	GRD	
134	0.22	GRD	
135	0.251	GRD	
136	2.22	GRD	
137	0.694	GRD	
138	1.54	GRD	
139	0.292	GRD	
140	5.91	GRD	
141	0.325	GRD	
142	38.7	GRD	
143	2.84	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047736	☐	16-061		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047745	☐	16-061			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047752	☐	16-061		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047757	☐	16-061			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047771	☐	16-064			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047779	☐	16-064		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047785	☐	16-064			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047724	☐	16-058		KL-STD5	☐	☐	☐
15.98	16.51	0.53	GRD	0.53	100	S047723	☐	16-058			☐	☐	☐
16.51	17.14	0.63	GRD	0.63	100	S047725	☐	16-058			☐	☐	☐
17.14	17.72	0.58	GRD	0.58	100	S047726	☐	16-058			☐	☐	☐
17.72	18.36	0.64	GRD	0.64	100	K292765	☐	16-060	HG		☐	☐	☐
18.36	19.34	0.98	GRD	0.98	100	K292766	☐	16-060	HG		☐	☐	☐
19.34	20.00	0.66	GRD	0.66	100	S047729	☐	16-058			☐	☐	☐
20.00	20.65	0.65	GRD	0.65	100	S047727	☐	16-058			☐	☐	☐
20.65	22.04	1.39	GRD	1.20	86	K292767	☐	16-060	HG		☐	☐	☐
22.04	22.71	0.67	GRD	0.63	94	S047728	☐	16-058			☐	☐	☐
22.71	24.09	1.38	GRD	1.15	83	S047730	☐	16-061			☐	☐	☐
24.09	24.76	0.67	GRD	0.67	100	S047731	☐	16-061			☐	☐	☐
24.76	26.00	1.24	GRD	1.24	100	S047732	☐	16-061			☐	☐	☐
26.00	27.12	1.12	GRD	1.12	100	S047733	☐	16-061			☐	☐	☐
27.12	27.66	0.54	GRD	0.54	100	S047734	☐	16-061			☐	☐	☐
49.16	50.00	0.84	GRD	0.84	100	S047735	☐	16-061			☐	☐	☐
50.00	50.52	0.52	GRD	0.52	100	S047737	☐	16-061			☐	☐	☐
50.52	51.04	0.52	GRD	0.52	100	S047738	☐	16-061			☐	☐	☐
54.88	55.38	0.50	GRD	0.50	100	S047739	☐	16-061			☐	☐	☐
55.38	56.00	0.62	GRD	0.62	100	S047740	☐	16-061			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
55.38	56.00	0.62	GRD	0.62	100	S047741	☐	16-061			☐	☑	☐
56.00	56.92	0.92	GRD	0.92	100	S047742	☐	16-061			☐	☐	☐
56.92	57.34	0.42	GRD	0.42	100	K292768	☐	16-060	HG		☐	☐	☐
57.34	57.92	0.58	GRD	0.58	100	S047743	☐	16-061			☐	☐	☐
77.26	77.76	0.50	GRD	0.50	100	S047744	☐	16-061			☐	☐	☐
77.76	78.57	0.81	GRD	0.81	100	S047746	☐	16-061			☐	☐	☐
78.57	79.07	0.50	GRD	0.50	100	S047747	☐	16-061			☐	☐	☐
79.07	79.62	0.55	GRD	0.55	100	S047748	☐	16-061			☐	☐	☐
79.62	80.12	0.50	GRD	0.50	100	S047749	☐	16-061			☐	☐	☐
85.20	85.73	0.53	GRD	0.53	100	S047750	☐	16-061			☐	☐	☐
85.73	86.52	0.79	GRD	0.79	100	S047751	☐	16-061			☐	☐	☐
86.52	87.12	0.60	GRD	0.59	98	S047753	☐	16-061			☐	☐	☐
87.12	88.38	1.26	GRD	1.23	98	S047754	☐	16-061			☐	☐	☐
88.38	88.89	0.51	GRD	0.51	100	S047755	☐	16-061			☐	☐	☐
88.89	89.47	0.58	GRD	0.58	100	S047756	☐	16-061			☐	☐	☐
89.47	90.53	1.06	GRD	1.00	94	S047758	☐	16-061			☐	☐	☐
90.53	91.11	0.58	GRD	0.58	100	S047759	☐	16-061			☐	☐	☐
91.11	92.16	1.05	GRD	1.05	100	S047760	☐	16-061			☐	☐	☐
92.16	93.04	0.88	GRD	0.88	100	S047761	☐	16-061			☐	☐	☐
92.16	93.04	0.88	GRD	0.88	100	S047762	☐	16-061			☐	☐	☑
93.04	93.71	0.67	GRD	0.66	99	S047763	☐	16-061			☐	☐	☐
93.71	94.22	0.51	GRD	0.51	100	S047764	☐	16-061			☐	☐	☐
94.22	94.77	0.55	GRD	0.55	100	S047765	☐	16-061			☐	☐	☐
101.84	102.87	1.03	GRD	1.03	100	S047766	☐	16-064			☐	☐	☐
102.87	103.47	0.60	GRD	0.60	100	S047767	☐	16-064			☐	☐	☐
103.47	104.02	0.55	GRD	0.55	100	S047768	☐	16-064			☐	☐	☐
104.02	104.56	0.54	GRD	0.54	100	S047769	☐	16-064			☐	☐	☐
104.56	105.77	1.21	GRD	1.21	100	S047770	☐	16-064			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
105.77	106.35	0.58	QFP	0.58	100	S047772	☐	16-064			☐	☐	☐
106.35	107.00	0.65	GRD	0.65	100	S047773	☐	16-064			☐	☐	☐
107.00	107.90	0.90	GRD	0.90	100	S047774	☐	16-064			☐	☐	☐
107.90	109.30	1.40	GRD	1.40	100	S047775	☐	16-064			☐	☐	☐
107.90	109.30	1.40	GRD	1.40	100	S047776	☐	16-064			☐	☑	☐
109.30	109.85	0.55	GRD	0.55	100	S047777	☐	16-064			☐	☐	☐
109.85	110.52	0.67	GRD	0.67	100	S047778	☐	16-064			☐	☐	☐
125.23	125.88	0.65	GRD	0.53	82	S047780	☐	16-064			☐	☐	☐
125.88	126.52	0.64	GRD	0.64	100	S047781	☐	16-064			☐	☐	☐
126.52	127.06	0.54	GRD	0.54	100	S047782	☐	16-064			☐	☐	☐
127.06	127.67	0.61	GRD	0.61	100	S047783	☐	16-064			☐	☐	☐
127.67	130.48	2.81	GRD	2.81	100	S047784	☐	16-064			☐	☐	☐
130.48	131.00	0.52	GRD	0.52	100	S047786	☐	16-064			☐	☐	☐
131.00	133.58	2.58	GRD	2.58	100	S047787	☐	16-064			☐	☐	☐
133.58	134.09	0.51	GRD	0.51	100	S047788	☐	16-064			☐	☐	☐
134.09	134.60	0.51	GRD	0.51	100	S047789	☐	16-064			☐	☐	☐
134.60	135.67	1.07	GRD	1.07	100	S047790	☐	16-064			☐	☐	☐
134.60	135.70	1.10	GRD	1.07	97	S047791	☐	16-064			☐	☐	☑

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-058	S047724	0.00	0.00	0.87	2000	☐	☐	☐	☑ KL-STD5	
16-061	S047736	0.00	0.00	4.64	120	☐	☐	☐	☑ KL-STD1	
16-061	S047745	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-061	S047752	0.00	0.00	0.37	400	☐	☐	☐	☑ KL-STD4	
16-061	S047757	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-064	S047771	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-064	S047779	0.00	0.00	0.85	1150	☐	☐	☐	☑ KL-STD5	
16-064	S047785	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-058	S047723	15.98	16.51	0.03	2740	☐	☐	☐	☐	
16-058	S047725	16.51	17.14	0.09	740	☐	☐	☐	☐	
16-058	S047726	17.14	17.72	0.11	920	☐	☐	☐	☐	
16-060	K292765	17.72	18.36	25.30	770	☐	☐	☐	☐	
16-060	K292766	18.36	19.34	4.05	180	☐	☐	☐	☐	
16-058	S047729	19.34	20.00	0.02	1050	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-058	S047727	20.00	20.65	0.76	500	☐	☐	☐	☐	
16-060	K292767	20.65	22.04	38.00	100	☐	☐	☐	☐	
16-058	S047728	22.04	22.71	0.07	1840	☐	☐	☐	☐	
16-061	S047730	22.71	24.09	0.01	1570	☐	☐	☐	☐	
16-061	S047731	24.09	24.76	0.01	1460	☐	☐	☐	☐	
16-061	S047732	24.76	26.00	0.31	990	☐	☐	☐	☐	
16-061	S047733	26.00	27.12	0.02	1170	☐	☐	☐	☐	
16-061	S047734	27.12	27.66	0.10	660	☐	☐	☐	☐	
		27.66	49.16			☐	☐	☐	☐	
16-061	S047735	49.16	50.00	0.01	1930	☐	☐	☐	☐	
16-061	S047737	50.00	50.52	0.20	700	☐	☐	☐	☐	
16-061	S047738	50.52	51.04	0.02	1520	☐	☐	☐	☐	
		51.04	54.88			☐	☐	☐	☐	
16-061	S047739	54.88	55.38	0.00	1950	☐	☐	☐	☐	
16-061	S047740	55.38	56.00	0.08	1260	☐	☐	☐	☐	
16-061	S047741	55.38	56.00	0.06	900	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-061	S047742	56.00	56.92	0.54	420	☐	☐	☐	☐	
16-060	K292768	56.92	57.34	5.28	1150	☐	☐	☐	☐	
16-061	S047743	57.34	57.92	0.04	1940	☐	☐	☐	☐	
		57.92	77.26			☐	☐	☐	☐	
16-061	S047744	77.26	77.76	0.01	2110	☐	☐	☐	☐	
16-061	S047746	77.76	78.57	0.01	2440	☐	☐	☐	☐	
16-061	S047747	78.57	79.07	0.08	1140	☐	☐	☐	☐	
16-061	S047748	79.07	79.62	0.66	220	☐	☐	☐	☐	
16-061	S047749	79.62	80.12	0.17	1040	☐	☐	☐	☐	
		80.12	85.20			☐	☐	☐	☐	
16-061	S047750	85.20	85.73	0.01	1920	☐	☐	☐	☐	
16-061	S047751	85.73	86.52	0.06	610	☐	☐	☐	☐	
16-061	S047753	86.52	87.12	0.18	490	☐	☐	☐	☐	
16-061	S047754	87.12	88.38	0.02	1140	☐	☐	☐	☐	
16-061	S047755	88.38	88.89	0.71	1390	☐	☐	☐	☐	
16-061	S047756	88.89	89.47	0.02	670	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-061	S047758	89.47	90.53	0.02	1630	☐	☐	☐	☐	
16-061	S047759	90.53	91.11	0.03	4680	☐	☐	☐	☐	
16-061	S047760	91.11	92.16	0.00	1940	☐	☐	☐	☐	
16-061	S047761	92.16	93.04	0.02	710	☐	☐	☐	☐	
16-061	S047762	92.16	93.04	0.02	780	☐	☑	☐	☐	
16-061	S047763	93.04	93.71	0.02	1520	☐	☐	☐	☐	
16-061	S047764	93.71	94.22	0.04	1010	☐	☐	☐	☐	
16-061	S047765	94.22	94.77	0.09	830	☐	☐	☐	☐	
		94.77	######			☐	☐	☐	☐	
16-064	S047766	101.84	102.87	0.13	2050	☐	☐	☐	☐	
16-064	S047767	102.87	103.47	0.09	1140	☐	☐	☐	☐	
16-064	S047768	103.47	104.02	0.24	1530	☐	☐	☐	☐	
16-064	S047769	104.02	104.56	0.48	750	☐	☐	☐	☐	
16-064	S047770	104.56	105.77	0.01	1370	☐	☐	☐	☐	
16-064	S047772	105.77	106.35	5.15	3400	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-064	S047773	106.35	107.00	0.03	1230	☐	☐	☐	☐	
16-064	S047774	107.00	107.90	0.00	2780	☐	☐	☐	☐	
16-064	S047775	107.90	109.30	0.04	1530	☐	☐	☐	☐	
16-064	S047776	107.90	109.30	0.05	1420	☑	☐	☐	☐	
16-064	S047777	109.30	109.85	0.27	670	☐	☐	☐	☐	
16-064	S047778	109.85	110.52	0.01	1920	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-064	S047780	125.23	125.88	0.00	2210	☐	☐	☐	☐	
16-064	S047781	125.88	126.52	0.00	1850	☐	☐	☐	☐	
16-064	S047782	126.52	127.06	3.01	2350	☐	☐	☐	☐	
16-064	S047783	127.06	127.67	0.01	980	☐	☐	☐	☐	
16-064	S047784	127.67	130.48	0.02	2010	☐	☐	☐	☐	
16-064	S047786	130.48	131.00	1.18	860	☐	☐	☐	☐	
16-064	S047787	131.00	133.58	0.02	1300	☐	☐	☐	☐	
16-064	S047788	133.58	134.09	0.35	280	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-064	S047789	134.09	134.60	1.67	860	☐	☐	☐	☐	
16-064	S047790	134.60	135.67	0.04	2820	☐	☐	☐	☐	
16-064	S047791	134.60	135.70	0.04	2750	☐	☑	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
14.92	14.95	VN	37	50	NUL	1	3cm smokey quartz vein hosting disseminated pyrite. Small pyrite stringer found in close proximity to vein			
								Py	8	DI
17.79	19.32	CV		55	NUL	18	Central Klaza Vein Zone. 1.53m vein zone carrying numerous significant smokey quartz, smokey quartz/carbonate, andn carbonate veins. Vein zone is carried by phyllic to argillic/phyllic altered granodiorite. From 19.00m to 19.32m vein zone displays weak to moderate pervasive oxidation. Mineralization of vein zone includes blebby pyrite, brown to honey brown sphalerite (zoned), galena, disseminated arsenopyrite, and disseminated jamesonite.			
								Jm	0.5	DI
								Gn	2	BL
								As	1	DI
								Sp	5	BL
								Py	8	BL
20.46	22.04	CV	4	55	NUL	4	Central Klaza Vein Zone. Vein zone begins as clay altered granodiorite displaying scoridite alteration (yellow textures throughout). Clay zone transitions into a 37cm smokey quartz zone hosting massive galena, sphalerite, and pyrite throughout. Massive smokey quartz vein is interrupted by a highly fractured zone of smokey quartz/carbonate displaying spectacular oxidation. This oxidized zone of smokey quartz/carbonate hosts goethite mineralization, as well as disseminated pyrite and sphalerite from before oxidation began. For the rest of the interval, the massive smokey quartz interval continues, hosting massive pyrite, galena, sphalerite, and blebby arsenopyrite. Vein displays interstitial carbonate veining towards the end of the vein zone. Severe oxidation (red colour) occurs along fractures throughout.			
								Sp	10	MA
								Py	20	MA
								So	3	DI
								Gn	15	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Go	5	PA
								As	4	BL
24.19	26.74	VT	37	75	NUL	6	6 smokey quartz carbonate veinlets (~0.4-0.6cm) at 55*TCA. Hosts disseminated pyrite with sporadic minor blebby galena and sphalerite.			
								Sp	5	BL
								Gn	5	BL
								Py	13	DI
26.89	29.09	VN	37	40	NUL	3	Smokey quartz/ carbonate to carbonate veinlets (~0.8m) crosscutting phyllic altered granodiorite. Hosts minor disseminated pyrite.			
								Py	3	DI
40.82	40.84	VN	37	75	NUL	1	5.5cm smokey quartz vein with tan ankerite and rhodochrosite. Vein hosts disseminated to slightly blebby pyrite, aresnopyrite, black to brown sphalerite, and disseminated galena.			
								Py	8	BL
								As	4	BL
								Sp	6	BL
								Gn	3	DI
44.08	44.10	VN	37	70	NUL	1	Quartz carboante carbonate vein crosscutting argilliic/phyllic granodiorite.			
46.47	46.53	VN	37	85	NUL	1	Smokey quartz/quartz/carbonate vein hosting blebby to disseminated pyrite, arsenopyrite, and sphalerite. Rhodochrosite found along upper selvedge of vein.			
								Sp	5	BL
								As	5	DI
								Py	8	BL
48.13	49.53	VT	37	60	NUL	4	Quartz carbonate veinlets hosting disseminated pyrite.			
								Py	3	DI
50.31	50.36	BX	34	70	NUL	1	5cm Black brecia vein with quartz carbonate along both selvedges crosscutting argillic/phyllic granodiorite. Hosts disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
56.93	57.30	VN	37	60	NUL	1	27CM quartz/smokey quartz breccia vein crosscutting rubbly argillic/phyllic granodiorite. Vein hosts massive zoned honey brown sphalerite, blebby pyrite, blebby galena, and disseminated jamesoninte(???). Mineralization occurs throughout, but is focused along main quartz veining, with only disseminated mineralization occurring within breccia. Black breccia is found, along with carbonate brecciation along lower selvedge.			
								Gn	6	BL
								Py	15	BL
								As	10	BL
								Sp	20	MA
64.69	65.00	BX	34	70	NUL	1	Black breccia found brecciating strongly propylitic altered granodiorite. Breccia occurs between two dykes. Large 6cm carbonate vein is found along lower selvedge. Breccia carries propylitic altered granodiorite, blebby pyrite, and carbonate clasts.			
								Py	9	BL
76.79	76.86	BX	34	-	NUL	1	Black breccia found within phyllic granodiorite.			
78.81	78.96	BX	34	70	NUL	1	Black breccia vein crosscutting phyllic granodiorite. Hosts disseminated pyrite.			
86.57	87.87	BX	34	-	NUL	1	Black breccia vein crosscutting phyllic granodiorite. Hosts disseminated to blebby pyrite. Carries small clasts of surrounding granodiorite, quartz, and pyrite.			
								Py	2	BL
87.06	87.12	BX	34	65	NUL	1	Black breccia vein crosscutting phyllic granodiorite. Hosts disseminated pyrite.			
88.39	88.68	VN	37	60	NUL	1	Smokey quartz breccia vein hosting blebby galena, sphalerite, and semi massive blebby pyrite.			
								Sp	4	BL
								Gn	4	BL
								Py	15	BL
89.29	89.52	VN	37	-	NUL	1	Gouge altered vein zone with smokey quartz. Contains trace disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
104.06	104.38	VN	37	85	NUL	2	8cm vein hosting blebby sphalerite, pyrite, galena. Vein is followed by a zone of gouge altered granodiorite hosting broken down smokey quartz veins with disseminated pyrite.			
								Py	3	BL
								Sp	7	BL
								Gn	1	DI
105.79	106.49	VN	37	60	NUL	1	0.70cm vein zone hosting a 17cm and 25cm quartz vein carried within quartz flooded propylitic altered granodiorite. Veins host semi-massive to blebby pyrite, disseminated to blebby sphalerite, disseminated galena, and trace disseminated arsenopyrite.			
								Gn	3	DI
								As	1	DI
								Sp	3	DI
								Py	30	MA
109.64	109.66	VN	37	65	NUL	1	2cm quartz vein hosting blebby pyrite, disseminated sphalerite, and blebby to disseminated arsenopyrite.			
								As	15	DI
								Sp	3	DI
								Py	30	BL
118.83	118.85	VN	37	75	NUL	1	2cm smokey quartz carbonate vein hosting disseminated pyrite.			
126.63	126.71	VN	37	80	NUL	1	6cm polymetallic quartz vein hosting blebby sphalerite, galena, pyrite, and arsenopyrite.			
								Gn	15	BL
								Sp	15	BL
								As	10	BL
								Py	25	BL
130.84	130.88	VN	37	55	NUL	1	3cm smokey quartz/carbonate vein hosting blebby sphalerite, galena, pyrite, and disseminated arsenopyrite.			
								As	4	DI
								Py	8	BL
								Gn	5	BL
								Sp	20	BL
133.71	133.80	VT	37	85	NUL	2	Quartz/carbonate veinlets hosting disseminated to blebby pyrite.			
								Py	6	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
134.37	134.50	VN	37	80	NUL	1	12cm vein hosting blebby sphalerite, galena, and pyrite. Found within moderate phyllic altered granodiorite.			
								Sp	6	BL
								Py	5	BL
								Gn	5	BL
								As	3	DI
139.15	139.19	VN	37	60	NUL	1	4cm quartz vein hosting blebby pyrite.			
								Py	5	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382904	6890299	1351.15	113

ZONE: Central Klaza

SECTION:

HOLE: KL-16-318

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 6.1m, Out

Drilling Dates: Jul 19 - Jul 20, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
8	29.7	-50.5	Reflex
113	35	-51	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.8	1.8	CAS
1.8	5	3.2	OVB
5	18.74	13.74	GRD
18.74	23.84	5.1	QFP
23.84	41.72	17.88	GRD
41.72	53.17	11.45	GRD
53.17	65.45	12.28	GRD
65.45	65.54	0.09	QFP
65.54	68.09	2.55	GRD
68.09	74.59	6.5	GRD
74.59	75.63	1.04	GRD
75.63	113	37.37	GRD

SAMPLES	
Numbers:	K292769 to K292773, S047792 to S047860
Total:	74
Batch:	060, 064, 067, 068
Certificates:	VA16123341, VA16123343, VA16123344, VA16127969

COMMENTS

KL-16-318

Box Number	From (m)	To (m)
1	1.8	5.21
2	5.21	8.34
3	8.34	11.14
4	11.14	14.13
5	14.13	17.24
6	17.24	20.16
7	20.16	23.07
8	23.07	26.17
9	26.17	29.16
10	29.16	32.07
11	32.07	35.37
12	35.37	38.4
13	38.4	41.63
14	41.63	44.66
15	44.66	47.67
16	47.67	50.69
17	50.69	53.17
18	53.17	56.11
19	56.11	59.55
20	59.55	62.37
21	62.37	65.33
22	65.33	68.29
23	68.29	71.38
24	71.38	74.46
25	74.46	77.14
26	77.14	80.23
27	80.23	83.32
28	83.32	86.26
29	86.26	89.46
30	89.46	92.66
31	92.66	95.99
32	95.99	99.2
33	99.2	102.49
34	102.49	105.69
35	105.69	108.8
36	108.8	111.94
37	111.94	113

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-318									
	17.64	16	HQ	GRD	1413.6	910.6	2.83	2.8	Oxidized argillic to propylitic granodiorite hosting the beginning of a massive quartz/carbonate vein. Hosts blebby pyryte, galena, sphalerite.
	17.81	8	HQ	GRD	956.4	702	3.84	3.8	Small vein zone hosting massive arsenopyrite, sphalerite, galena, pyrite, and jamesonite.
	24.55	21.5	HQ	GRD	2237.4	1582.4	3.34	3.4	Vein zone hosting massive blebby arsenopyrite, blebby galena, sphalerite, and pyrite. Oxidized granodiorite is seen in small portion of vein.
	31.67	14.5	HQ	GRD	1075	678.8	2.38	2.7	7cm banded carbonate vein. Carbonate bands with propylitic/oxidized granodiorite. Contains intermittent quartz and is weakly brecciated in a small zone.
	61	12.5	HQ	GRD	1098.7	690.2	2.82	2.7	Phillic propylitic halo with carbonate vein
	66.81	17	HQ	GRD	1440.3	930.1	2.72	2.8	Moderately silicified phyllic granodiorite carry8ing a quartz/carbonate vein zone. Vein zone consists of multiple smaller veins. Gouge is present along lower selvedge. Hosts dissemianted pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	18.74	13.74	GRD	MG	Argillic to propylitic altered granodiorite with patches of phyllic alteration. Zone displays perasive to patchy oxidation throughout. Multiple zone of significant alteration found within interval.							
						MD	OR	FR	OXI	4I	Gn	1
						MD	GN		PHC	2I		
						MD	WH		PRO	3I		
						LT	OR	PA	OXI	3I	Py	1
						LT	BR		OXI	2I	Sp	1
						LT	GN		PRO	2I	As	1
									ARG	3I		
									ARG	2I		
18.74	23.84	5.10	QFP	FG	light to medium brown quartz feldspar porphyry dyke. Contains fractured intervals sporadically throughout.							
						MD	BR					
						LT	BR	PO				
23.84	41.72	17.88	GRD	MG	Patchy zones of unaltered granodiorite, oxidized argillic alteration, argillic/propylitic, and propylitic alteration ranging from weak to strong. Zone contains patchy phyllic alteration throughout. Significant sulfide mineralized veins crosscuts granodiorite in two main vein zones.							
						MD	OR	FR	PRO	2I	Py	1
						MD	GN		OXI	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	2
						LT	OR		PRO	3I	As	1
									OXI	3I	Gn	1
									ARG	2I		
									ARG	3I		
41.72	53.17	11.45	GRD	MG	Unaltered granodiorite transitioning into argillic/potassic, propylitic, and phyllic granodiorite. Propylitic/phyllic halo found carrying a sulfide vein. Fractures and veins show oxidation.							
						MD	GN		PHC	2I		
						MD	WH		PHC	3I		
						LT	GN	PA	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		ARG	3I		
									PRO	2I		
									PRO	3I		
									OXI	3I		
53.17	65.45	12.28	GRD	MG	Alternating patches of weak propylitic altered granodiorite with trace potassic alteration, and phyllic/argillic/propylitic altered halo zones. Halos are found throughout zone, but only occasionally host sulfide mineralization. Sporadic oxidation along joint and fracture faces. Small intervals of fracturing.							
						MD	GN		PHC	3I		
						MD	WH		PRO	2I		
						LT	GN	PA	PHC	2I		
						LT	PK		PHC	4I		
						DK	GN		PRO	3I		
									ARG	3I		
									ARG	2I		
65.45	65.54	0.09	QFP	FG	Intensely fractured and rubbled zone of grey to brown quartz feldspar porphyry dyke. Intense gouge / clay alteration occurs along both selvedges of dyke. Displays patchy weak alteration.							
						LT	GY	PO	OXI	2I		
						LT	BR					
65.54	68.09	2.55	GRD	MG	Zone of gouge altered phyllic granodiorite. Zone is weakly to moderately quartz flooded, hosting two small vein zones. Zones are found in close proximity to footwall of highly fractured quartz feldspar porphyry dyke. Small section of gouge found from 67.26-67.58m. Zones consist of a carbonate quartz zone, and a mineralized smokey quartz zone.							
						MD	WH		PHC	4I	As	3
						LT	GN	PA	PHC	3I	Py	5
						LT	GY		SIL	2I	Gn	1
									SIL	3I		
68.09	70.23	2.14	GRD	MG	Zone of granodiorite displaying trace to weak propylitic/potassic alteration alternating with argillic/potassic, propoylitic, and phyllic altered granodiorite. Sporadic oxdation present in patches.							
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		ARG	2I		
						LT	GN	PA	PRO	2I	Py	0.1
						LT	PK		PHC	3I		
						LT	OR		ARG	3I		
									POT	3I		
									PHC	4I		
									POT	2I		
									OXI	2I		
									PRO	3I		
70.23	70.27	0.04	QFP	FG	Small 4cm red aplite dyke.							
						MD	RD					
74.59	75.63	1.04	GRD	MG	Zone of moderate to strong propylitic to phyllic altered granodiorite with weak to modearte patchy oxidation. Smokey quartz/carbonate vein zone of significance found within. Weak to moderate perasive silicification found throughout.							
						MD	GN	FR	PHC	4I		
						MD	OR		SIL	3I		
						LT	GN	PA	PHC	3I	Py	1
						LT	OR		PRO	3I		
									OXI	2I		
									OXI	3I		
75.63	113.00	37.37	GRD	MG	Unaltered granodiorite with small patches of trace to weak propylitic/potassic alteration, and occasional propylitic/argillic/phyllic halos carrying quartz/carbonate veins.							
						MD	GN		POT	2I		
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I	Py	1
						LT	PK		PRO	2I		
									PRO	3I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	18.74	13.74	GRD	MG	Argillic to propylitic altered granodiorite with patches of phyllic alteration. Zone displays perasive to patchy oxidation throughout. Multiple zone of significant alteration found within interval.							
						LT	OR	PA	OXI	3I	Py	1
						MD	OR	FR	OXI	4I	Gn	1
						LT	BR		OXI	2I	Sp	1
						LT	GN		PRO	2I	As	1
						MD	GN		PHC	2I		
						MD	WH		PRO	3I		
									ARG	3I		
									ARG	2I		
18.74	23.84	5.10	QFP	FG	light to medium brown quartz feldspar porphyry dyke. Contains fractured intervals sporadically throughout.							
						MD	BR					
						LT	BR	PO				
23.84	41.72	17.88	GRD	MG	Patchy zones of unaltered granodiorite, oxidized argillic alteration, argillic/propylitic, and propylitic alteration ranging from weak to strong. Zone contains patchy phyllic alteration throughout. Significant sulfide mineralized veins crosscuts granodiorite in two main vein zones.							
						MD	OR	FR	PRO	2I	Py	1
						MD	GN		OXI	2I	Sp	1
									OXI	3I	Gn	1
									ARG	2I		
									ARG	3I		
						LT	OR		PRO	3I	As	1
						LT	GN	PA	PHC	2I	Py	2
41.72	53.17	11.45	GRD	MG	Unaltered granodiorite transitioning into argillic/potassic, propylitic, and phyllic granodiorite. Propylitic/phyllic halo found carrying a sulfide vein. Fractures and veins show oxidation.							
						LT	GN	PA	ARG	2I		
									PRO	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PHC	3I		
						LT	PK		ARG	3I		
									OXI	3I		
						MD	GN		PHC	2I		
53.17	65.45	12.28	GRD	MG	Alternating patches of weak propylitic altered granodiorite with trace potassic alteration, and phyllic/argillic/propylitic altered halo zones. Halos are found throughout zone, but only occasionally host sulfide mineralization. Sporadic oxidation along joint and fracture faces. Small intervals of fracturing.							
						LT	PK		PHC	4I		
						LT	GN	PA	PHC	2I		
									ARG	2I		
						DK	GN		PRO	3I		
						MD	GN		PHC	3I		
						MD	WH		PRO	2I		
									ARG	3I		
65.45	65.54	0.09	QFP	FG	Intensely fractured and rubbled zone of grey to brown quartz feldspar porphyry dyke. Intense gouge / clay alteration occurs along both selvedges of dyke. Displays patchy weak alteration.							
						LT	GY	PO	OXI	2I		
						LT	BR					
65.54	68.09	2.55	GRD	MG	Zone of gouge altered phyllic granodiorite. Zone is weakly to moderately quartz flooded, hosting two small vein zones. Zones are found in close proximity to footwall of highly fractured quartz feldspar porphyry dyke. Small section of gouge found from 67.26-67.58m. Zones consist of a carbonate quartz zone, and a mineralized smokey quartz zone.							
									SIL	3I		
						LT	GN	PA	PHC	3I	Py	5
						MD	WH		PHC	4I	As	3
						LT	GY		SIL	2I	Gn	1
68.09	74.59	6.50	GRD	MG	Zone of granodiorite displaying trace to weak propylitic/potassic alteration alternating with argillic/potassic, propoylitic, and phyllic altered granodiorite. Hosts small aplite dyke within. Sporadic oxdation present in patches.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR		ARG	3I		
									OXI	2I		
						LT	PK		PHC	3I		
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.1
						MD	WH		ARG	2I		
									POT	2I		
									POT	3I		
									PRO	3I		
									PHC	4I		
74.59	75.63	1.04	GRD	MG	Zone of moderate to strong propylitic to phyllic altered granodiorite with weak to modearte patchy oxidation. Smokey quartz/carbonate vein zone of significance found within. Weak to moderate perasive silicification found throughout.							
						LT	GN	PA	PHC	3I	Py	1
						MD	GN	FR	PHC	4I		
						LT	OR		PRO	3I		
						MD	OR		SIL	3I		
									OXI	2I		
									OXI	3I		
75.63	113.00	37.37	GRD	MG	Unaltered granodiorite with small patches of trace to weak propylitic/potassic alteration, and occasional propylitic/argillic/phyllic halos carrying quartz/carbonate veins.							
						LT	PK		PRO	2I		
						MD	GN		POT	2I		
						MD	WH		ARG	2I		
									PHC	3I		
									PRO	3I		
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.80	1.80	0	0	0.00	0	--	--	--	Cased
1.80	2.00	0.20	0.17	85	0.00	0	--	1H	6W	Soil
2.00	5.00	3.00	1.95	65	0.14	5	--	1H	5W	
5.00	8.00	3.00	2.67	89	1.69	56	--	3H	1W	
8.00	11.00	3.00	3	100	0.91	30	--	3H	3W	
11.00	14.00	3.00	3	100	2.37	79	--	3H	3W	
14.00	17.00	3.00	2.96	99	1.66	55	--	3H	3W	
17.00	20.00	3.00	2.96	99	1.34	45	--	3H	3W	
20.00	23.00	3.00	2.95	98	1.34	45	--	3H	2W	
23.00	26.00	3.00	3	100	0.96	32	--	2H	2W	Fault gouge zone
26.00	29.00	3.00	2.99	100	1.72	57	--	4H	2W	
29.00	32.00	3.00	3	100	1.77	59	--	2H	3W	
32.00	35.00	3.00	3	100	2.19	73	--	4H	2W	
35.00	38.00	3.00	2.98	99	1.72	57	--	2H	2W	
38.00	41.00	3.00	2.89	96	1.62	54	--	3H	2W	
41.00	44.00	3.00	3	100	1.73	58	--	4H	2W	
44.00	47.00	3.00	3	100	1.93	64	--	3H	2W	
47.00	50.00	3.00	3	100	1.66	55	--	4H	1W	
50.00	53.00	3.00	3	100	0.98	33	--	3H	3W	
53.00	56.00	3.00	3	100	1.82	61	--	3H	1W	
56.00	59.00	3.00	2.98	99	0.73	24	--	3H	1W	
59.00	62.00	3.00	3	100	2.00	67	--	3H	1W	
62.00	65.00	3.00	3	100	1.83	61	--	3H	1W	
65.00	68.00	3.00	2.5	83	0.73	24	--	3H	1W	Contains rubble zone
68.00	71.00	3.00	3	100	2.05	68	--	4H	1W	
71.00	74.00	3.00	3	100	2.17	72	--	3H	1W	
74.00	77.00	3.00	2.99	100	1.75	58	--	4H	1W	
77.00	80.00	3.00	3	100	1.51	50	--	4H	1W	
80.00	83.00	3.00	2.98	99	1.84	61	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
83.00	86.00	3.00	3	100	1.63	54	--	4H	1W	
86.00	89.00	3.00	3	100	2.11	70	--	4H	1W	
89.00	92.00	3.00	3	100	2.22	74	--	4H	1W	
92.00	95.00	3.00	3	100	2.57	86	--	3H	1W	
95.00	98.00	3.00	3	100	2.20	73	--	4H	1W	
98.00	101.00	3.00	3	100	1.60	53	--	4H	1W	
101.00	104.00	3.00	3	100	2.17	72	--	4H	1W	
104.00	107.00	3.00	3	100	2.18	73	--	4H	1W	
107.00	110.00	3.00	2.99	100	2.10	70	--	4H	1W	
110.00	113.00	3.00	3	100	2.66	89	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	Cased
2	11.3	OVB	
3	0	OVB	Crumbled
4	0.392	OVB	
5	0.504	OVB	
5	0.504	GRD	
6	0.299	GRD	
7	0.273	GRD	
8	0.956	GRD	
9	0.234	GRD	
10	4.65	GRD	
11	3.67	GRD	
12	0.221	GRD	
13	0.687	GRD	
14	0.448	GRD	
15	0.682	GRD	
16	0.429	GRD	
17	0.386	GRD	
18	0.177	GRD	
19	0.283	QFP	
20	0.244	QFP	
21	2.05	QFP	
22	0.214	QFP	
23	0.357	QFP	
24	0.128	GRD	
25	1.52	GRD	
26	2.71	GRD	
27	1.52	GRD	
28	1.256	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.721	GRD	
30	0.607	GRD	
31	0.981	GRD	
32	0.381	GRD	
33	1.15	GRD	
34	1.38	GRD	
35	0.328	GRD	
36	1.81	GRD	
37	0.306	GRD	
38	1.87	GRD	
39	1.02	GRD	
40	0.436	GRD	
41	0.399	GRD	
42	8.22	GRD	
43	0.64	GRD	
44	3.92	GRD	
45	2.2	GRD	
46	0.281	GRD	
47	1.86	GRD	
48	3.66	GRD	
49	2.46	GRD	
50	2.01	GRD	
51	1.85	GRD	
52	0.467	GRD	
53	0.456	GRD	
54	5.7	GRD	
55	6.69	GRD	
56	12.1	GRD	
57	8.01	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.4	GRD	
59	0.691	GRD	
60	11.3	GRD	
61	0.254	GRD	
62	6.05	GRD	
63	0.888	GRD	
64	0.433	GRD	
65	0.273	GRD	
66	0.133	GRD	
67	0.25	GRD	
68	0.197	GRD	
69	0.267	GRD	
70	0.979	GRD	
71	0.793	GRD	
72	0.109	GRD	
73	0.466	GRD	
74	0.465	GRD	
75	0.137	GRD	
76	3.69	GRD	
77	17.2	GRD	
78	20.4	GRD	
79	21.9	GRD	
80	0.597	GRD	
81	31.1	GRD	
82	0.669	GRD	
83	26.2	GRD	
84	12.8	GRD	
85	23.2	GRD	
86	23.2	GRD	
87	2.17	GRD	
88	21.42	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	21.6	GRD	
90	19.6	GRD	
91	10.3	GRD	
92	13.2	GRD	
93	0.429	GRD	
94	0.62	GRD	
95	2.67	GRD	
96	17.1	GRD	
97	17	GRD	
98	17.3	GRD	
99	22	GRD	
100	17.7	GRD	
101	26.1	GRD	
102	20	GRD	
103	27.5	GRD	
104	22.7	GRD	
105	22.5	GRD	
106	18.8	GRD	
107	14.7	GRD	
108	10.1	GRD	
109	15.2	GRD	
110	19	GRD	
111	28.4	GRD	
112	23.6	GRD	
113	23.4	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047849	☐	16-068		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047793	☐	16-064		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047811	☐	16-067			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047816	☐	16-067		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047823	☐	16-067			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047826	☐	16-067		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047841	☐	16-068		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047846	☐	16-068			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292771	☐	16-060	HG		☑	☐	☐
5.54	6.21	0.67	GRD	0.62	93	S047792	☐	16-064			☐	☐	☐
6.21	6.71	0.50	GRD	0.50	100	S047794	☐	16-064			☐	☐	☐
6.71	7.25	0.54	GRD	0.54	100	S047795	☐	16-064			☐	☐	☐
7.25	7.75	0.50	GRD	0.50	100	S047796	☐	16-064			☐	☐	☐
7.75	9.10	1.35	GRD	1.35	100	S047797	☐	16-064			☐	☐	☐
9.10	9.66	0.56	GRD	0.56	100	S047798	☐	16-064			☐	☐	☐
15.84	16.68	0.84	GRD	0.84	100	S047799	☐	16-064			☐	☐	☐
16.68	17.24	0.56	GRD	0.55	98	S047800	☐	16-064			☐	☐	☐
17.24	17.75	0.51	GRD	0.51	100	S047801	☐	16-064			☐	☐	☐
17.75	18.59	0.84	GRD	0.74	88	K292769	☐	16-060	HG		☐	☐	☐
18.59	19.83	1.24	GRD	1.24	100	S047802	☐	16-067			☐	☐	☐
23.18	23.69	0.51	QFP	0.51	100	S047803	☐	16-067			☐	☐	☐
23.69	24.21	0.52	QFP	0.52	100	S047804	☐	16-067			☐	☐	☐
24.21	24.77	0.56	GRD	0.56	100	K292770	☐	16-060	HG		☐	☐	☐
24.77	25.47	0.70	GRD	0.70	100	S047805	☐	16-067			☐	☐	☐
25.47	26.48	1.01	GRD	1.01	100	S047806	☐	16-067			☐	☐	☐
26.48	27.03	0.55	GRD	0.55	100	S047807	☐	16-067			☐	☐	☐
26.48	27.03	0.55	GRD	0.55	100	S047808	☐	16-067			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
27.03	29.16	2.13	GRD	2.13	100	S047809	☐	16-067			☐	☐	☐
29.16	30.61	1.45	GRD	1.45	100	S047810	☐	16-067			☐	☐	☐
30.61	31.66	1.05	GRD	1.05	100	S047812	☐	16-067			☐	☐	☐
31.66	32.34	0.68	GRD	0.40	59	S047813	☐	16-067			☐	☐	☐
32.34	35.00	2.66	GRD	2.66	100	S047814	☐	16-067			☐	☐	☐
35.00	35.70	0.70	GRD	0.70	100	S047815	☐	16-067			☐	☐	☐
35.70	36.21	0.51	GRD	0.51	100	S047817	☐	16-067			☐	☐	☐
36.21	36.80	0.59	GRD	0.57	97	K292772	☐	16-060	HG		☐	☐	☐
36.80	37.41	0.61	GRD	0.61	100	S047818	☐	16-067			☐	☐	☐
37.41	38.00	0.59	GRD	0.59	100	S047819	☐	16-067			☐	☐	☐
38.00	38.70	0.70	GRD	0.70	100	S047820	☐	16-067			☐	☐	☐
38.70	40.74	2.04	GRD	2.04	100	S047821	☐	16-067			☐	☐	☐
40.74	41.27	0.53	GRD	0.53	100	S047822	☐	16-067			☐	☐	☐
44.90	45.70	0.80	GRD	0.80	100	S047824	☐	16-067			☐	☐	☐
45.70	46.20	0.50	GRD	0.50	100	S047825	☐	16-067			☐	☐	☐
46.20	46.73	0.53	GRD	0.53	100	S047827	☐	16-067			☐	☐	☐
46.73	47.67	0.94	GRD	0.94	100	S047828	☐	16-067			☐	☐	☐
47.67	50.00	2.33	GRD	2.26	97	S047829	☐	16-067			☐	☐	☐
50.00	51.43	1.43	GRD	1.43	100	S047830	☐	16-067			☐	☐	☐
51.43	51.95	0.52	GRD	0.52	100	S047831	☐	16-067			☐	☐	☐
51.95	52.57	0.62	GRD	0.62	100	S047832	☐	16-067			☐	☐	☐
52.57	53.17	0.60	GRD	0.54	90	S047833	☐	16-067			☐	☐	☐
52.57	53.17	0.60	GRD	0.54	90	S047834	☐	16-067			☐	☐	☑
53.17	53.67	0.50	GRD, GRD	0.50	100	S047835	☐	16-067			☐	☐	☐
53.67	54.42	0.75	GRD	0.75	100	S047836	☐	16-067			☐	☐	☐
54.42	54.92	0.50	GRD	0.50	100	S047837	☐	16-067			☐	☐	☐
54.92	57.95	3.03	GRD	2.50	83	S047838	☐	16-068			☐	☐	☐
57.95	58.74	0.79	GRD	0.79	100	S047839	☐	16-068			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
58.74	59.40	0.66	GRD	0.66	100	S047840	☐	16-068			☐	☐	☐
59.40	60.58	1.18	GRD	1.18	100	S047842	☐	16-068			☐	☐	☐
66.47	67.13	0.66	GRD	0.66	100	S047843	☐	16-068			☐	☐	☐
67.13	67.65	0.52	GRD	0.52	100	S047844	☐	16-068			☐	☐	☐
67.65	68.15	0.50	GRD	0.50	100	K292773	☐	16-060	HG		☐	☐	☐
68.15	68.65	0.50	GRD	0.50	100	S047845	☐	16-068			☐	☐	☐
68.65	69.67	1.02	GRD	1.02	100	S047847	☐	16-068			☐	☐	☐
69.67	72.31	2.64	GRD	2.53	96	S047848	☐	16-068			☐	☐	☐
72.31	72.81	0.50	GRD	0.50	100	S047850	☐	16-068			☐	☐	☐
72.81	74.23	1.42	GRD	1.32	93	S047851	☐	16-068			☐	☐	☐
74.23	74.73	0.50	GRD	0.50	100	S047852	☐	16-068			☐	☐	☐
74.73	75.30	0.57	GRD	0.57	100	S047853	☐	16-068			☐	☐	☐
75.30	75.87	0.57	GRD	0.57	100	S047854	☐	16-068			☐	☐	☐
75.87	77.00	1.13	GRD	1.13	100	S047855	☐	16-068			☐	☐	☐
75.87	77.00	1.13	GRD	1.13	100	S047856	☐	16-068			☐	☑	☐
77.00	78.97	1.97	GRD	1.97	100	S047857	☐	16-068			☐	☐	☐
78.97	79.87	0.90	GRD	0.90	100	S047858	☐	16-068			☐	☐	☐
79.87	81.00	1.13	GRD	1.10	97	S047859	☐	16-068			☐	☐	☐
107.39	107.89	0.50	GRD	0.50	100	S047860	☐	16-068			☐	☐	☐

KL-16-318
Central Klaza

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	5.54			☐	☐	☐	☐	
16-060	K292771	0.00	0.00	0.02	30	☐	☐	☑	☐	
16-064	S047793	0.00	0.00	4.47	1370	☐	☐	☐	☑ KL-STD1	
16-067	S047811	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-067	S047816	0.00	0.00	1.70	510	☐	☐	☐	☑ KL-STD6	
16-067	S047823	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-067	S047826	0.00	0.00	4.58	220	☐	☐	☐	☑ KL-STD1	
16-068	S047841	0.00	0.00	1.86	390	☐	☐	☐	☑ KL-STD6	
16-068	S047846	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-068	S047849	0.00	0.00	4.40	1170	☐	☐	☐	☑ KL-STD1	
16-064	S047792	5.54	6.21	0.00	2010	☐	☐	☐	☐	
16-064	S047794	6.21	6.71	0.00	1230	☐	☐	☐	☐	
16-064	S047795	6.71	7.25	0.67	440	☐	☐	☐	☐	
16-064	S047796	7.25	7.75	0.02	1130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-064	S047797	7.75	9.10	0.03	1790	☐	☐	☐	☐	
16-064	S047798	9.10	9.66	0.00	2230	☐	☐	☐	☐	
		9.66	15.84			☐	☐	☐	☐	
16-064	S047799	15.84	16.68	0.10	2320	☐	☐	☐	☐	
16-064	S047800	16.68	17.24	1.34	1590	☐	☐	☐	☐	
16-064	S047801	17.24	17.75	0.11	1100	☐	☐	☐	☐	
16-060	K292769	17.75	18.59	10.35	200	☐	☐	☐	☐	
16-067	S047802	18.59	19.83	0.01	640	☐	☐	☐	☐	
		19.83	23.18			☐	☐	☐	☐	
16-067	S047803	23.18	23.69	0.01	770	☐	☐	☐	☐	
16-067	S047804	23.69	24.21	0.12	3560	☐	☐	☐	☐	
16-060	K292770	24.21	24.77	33.20	320	☐	☐	☐	☐	
16-067	S047805	24.77	25.47	0.07	1230	☐	☐	☐	☐	
16-067	S047806	25.47	26.48	0.00	2320	☐	☐	☐	☐	
16-067	S047807	26.48	27.03	0.00	2550	☐	☐	☐	☐	
16-067	S047808	26.48	27.03	0.00	2410	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-067	S047809	27.03	29.16	0.00	2170	☐	☐	☐	☐	
16-067	S047810	29.16	30.61	0.04	1060	☐	☐	☐	☐	
16-067	S047812	30.61	31.66	0.01	1310	☐	☐	☐	☐	
16-067	S047813	31.66	32.34	1.52	890	☐	☐	☐	☐	
16-067	S047814	32.34	35.00	0.01	1810	☐	☐	☐	☐	
16-067	S047815	35.00	35.70	0.00	2260	☐	☐	☐	☐	
16-067	S047817	35.70	36.21	0.15	1230	☐	☐	☐	☐	
16-060	K292772	36.21	36.80	5.96	320	☐	☐	☐	☐	
16-067	S047818	36.80	37.41	0.01	1180	☐	☐	☐	☐	
16-067	S047819	37.41	38.00	0.00	2280	☐	☐	☐	☐	
16-067	S047820	38.00	38.70	0.00	2250	☐	☐	☐	☐	
16-067	S047821	38.70	40.74	0.01	1860	☐	☐	☐	☐	
16-067	S047822	40.74	41.27	0.02	1670	☐	☐	☐	☐	
		41.27	44.90			☐	☐	☐	☐	
16-067	S047824	44.90	45.70	0.00	2090	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-067	S047825	45.70	46.20	0.29	410	☐	☐	☐	☐	
16-067	S047827	46.20	46.73	0.01	1660	☐	☐	☐	☐	
16-067	S047828	46.73	47.67	0.00	2050	☐	☐	☐	☐	
16-067	S047829	47.67	50.00	0.00	2410	☐	☐	☐	☐	
16-067	S047830	50.00	51.43	0.01	1910	☐	☐	☐	☐	
16-067	S047831	51.43	51.95	2.40	1390	☐	☐	☐	☐	
16-067	S047832	51.95	52.57	0.74	540	☐	☐	☐	☐	
16-067	S047833	52.57	53.17	0.01	1890	☐	☐	☐	☐	
16-067	S047834	52.57	53.17	0.01	2030	☐	☑	☐	☐	
16-067	S047835	53.17	53.67	0.30	1930	☐	☐	☐	☐	
16-067	S047836	53.67	54.42	0.02	2160	☐	☐	☐	☐	
16-067	S047837	54.42	54.92	1.76	400	☐	☐	☐	☐	
16-068	S047838	54.92	57.95	0.05	1820	☐	☐	☐	☐	
16-068	S047839	57.95	58.74	0.07	830	☐	☐	☐	☐	
16-068	S047840	58.74	59.40	0.12	1500	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-068	S047842	59.40	60.58	0.01	1810	☐	☐	☐	☐	
		60.58	66.47			☐	☐	☐	☐	
16-068	S047843	66.47	67.13	0.06	900	☐	☐	☐	☐	
16-068	S047844	67.13	67.65	0.03	890	☐	☐	☐	☐	
16-060	K292773	67.65	68.15	3.22	140	☐	☐	☐	☐	
16-068	S047845	68.15	68.65	0.01	1440	☐	☐	☐	☐	
16-068	S047847	68.65	69.67	0.00	2220	☐	☐	☐	☐	
16-068	S047848	69.67	72.31	0.00	1880	☐	☐	☐	☐	
16-068	S047850	72.31	72.81	0.03	1780	☐	☐	☐	☐	
16-068	S047851	72.81	74.23	0.01	1850	☐	☐	☐	☐	
16-068	S047852	74.23	74.73	0.01	960	☐	☐	☐	☐	
16-068	S047853	74.73	75.30	0.22	1130	☐	☐	☐	☐	
16-068	S047854	75.30	75.87	0.09	3650	☐	☐	☐	☐	
16-068	S047855	75.87	77.00	0.00	2170	☐	☐	☐	☐	
16-068	S047856	75.87	77.00	0.00	2060	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-068	S047857	77.00	78.97	0.00	2260	☐	☐	☐	☐	
16-068	S047858	78.97	79.87	0.01	1760	☐	☐	☐	☐	
16-068	S047859	79.87	81.00	0.00	2060	☐	☐	☐	☐	
		81.00	######			☐	☐	☐	☐	
16-068	S047860	107.39	107.89	0.14	820	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
6.78	7.00	VN	37	60	NUL	1	22cm oxidized quartz carbonate vein. Vein hosts blebby to dissemianted galena, pyrite, and disseminated arsenopyrite. Carboante in vein displays net like texture. Found within a moderately oxidized granodiorite zone.			
9.20	9.50	BX	34	60	NUL	1	2cm Black breccia vein carrying sand sized clasts of quartz, carbonate, and surrounding oxodized host granodiorite.			
12.43	12.46	VB	37	65	NUL	1	Black breccia to smokey quartz vein with carbonate intrusions along the upper selvedge. Disseminated pyrite found throughout.			
								Py	4	DI
16.14	16.17	BX	34	65	NUL	1	Black breccia brecciating propylitic to phyllic altered host granodiorite.			
17.80	17.92	CV		65	NUL	1	22cm quartz/smokey quartz vein crosscutting phyllic akltered granodiorite. Vein hosts massive disseminated arsenopyrite, massive blebby sphalerite (honey brown and black), blebby pyrite, blebby galena, and disseminated jamesonite throughout entire vein. White quartz is found along the upper selvedge, displaying protruding fingers that intrude into the vein zone. Vein zone hosts a highly oxidized fracture that carries patchy scoridite.			
								Gn	8	BL
								Py	10	BL
								As	40	MA
								Jm	5	DI
								Sp	25	MA
18.19	18.70	CV		65	NUL	1	Continuation of previous Central Klaza vein zone. Vein hosts blebby galena, arsenopyrite, sphalerite, and dissemianted jamesonite, throughout. Becomes severely oxidized towards lower selvedge, displaying strong scoridite.			
								Gn	20	BL
								Sp	10	BL
								Py	5	BL
								As	10	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								So	5	PA
								Jm	5	DI
23.84	24.04	VB	37	-	NUL	1	highly fractured and gouged breccia that has undergone strong silicification. Found along dyke contact.			
24.20	24.76	CV		70	NUL	1	56cm Klaza vein zone (lower and central?). Quartz/carbonate vein is found in close proximity to contact of quartz feldspar porphyry dyke. Vein hosts massive galena, pyrite, sphalerite, and arsenopyrite throughout, along with disseminated jamesonite. Middle of vein zone shows weak carbonate/smokey quartz/granodiorite brecciation (small 7cm zone). Fractures and joints are heavily oxidized, displaying patchy scorodite.			
								Sp	15	MA
								So	1	PA
								Gn	30	MA
								As	25	MA
								Py	15	MA
								Jm	7	DI
30.06	30.12	BX	34	70	NUL	1	Black breccia crosscutting phyllic granodiorite. Carries granodiorite clasts.			
								Py	0.1	DI
30.33	30.66	BN		-	NUL	1	NOT A BAND. Zone of intensely oxidized granodiorite displaying goethite throughout in small dendritic stringers.			
								Go	8	IN
31.14	36.21	ST		-	NUL	10	10 small goethite stringers found throughout interval.			
								Go	1	DI
31.64	31.74	VN	37	75	NUL	1	10cm carbonate vein (white), with interstitial quartz and smokey quartz veinlets cutting parallel to veining. Displays banding with host oxidized propylitic/potassic granodiorite.			
32.04	32.10	VN	37	-	NUL	1	Quartz/carbonate vein hosting blebby pyrite, galena, sphalerite. Carbonate veins display vuggy texture.			
								Sp	2	BL
								Py	2	BL
								Gn	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
36.22	36.46	VN	37	65	NUL	1	Lower Klaza vein. 24cm smokey quartz /carbonate vein found within argillic/phyllic to phyllic altered granodiorite. Vein carries massive bands of blebby pyrite, semi-massive sphalerite, blebby galena, and blebby arsenopyrite throughout entire vein. Carbonate found proximal to vein weakly brecciating a smal amount of smokey quartz (2cm).			
								Gn	7	BL
								Sp	15	MA
								As	8	BL
								Py	30	MA
41.05	41.09	VN	37	85	NUL	1	4cm banded/net texture carbonate vein found within a propylitic/phyllic halo. Vein hosts blebby galena.			
								Gn	6	BL
45.82	45.90	VN	37	70	NUL	1	Smokey quartz/carbonate vein hosting disseminated to blebby pyrite. Displays pitted / vuggy texture and is highly oxidized.			
								Py	4	BL
52.44	52.46	VN	37	60	NUL	1	2cm quartz vein hosting blebby pyrite, sphalerite, galena and minor blebs of arsenopyrite.			
								As	5	BL
								Gn	6	BL
								Sp	8	BL
								Py	8	BL
53.25	53.28	VN	37	75	NUL	1	Quartz/carbonate vein within an argillic/propylitic halo hosting blebby pyrite and arsenopyrite, along with minor disseminated galena and sphalerite.			
								Gn	3	DI
								As	8	BL
								Py	15	BL
								Sp	3	DI
54.60	54.62	VN	37	80	NUL	2	2.5cm and 6cm quartz veins hosting blebby pyrite, arsenopyrite, and minor sphalerite, galena. Found within a phyllic altered halo.			
								Py	10	BL
								As	8	BL
								Gn	1	DI
								Sp	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
58.22	28.33	VN	37	50	NUL	1	Quartz carbonate vein (10cm) hosting disseminated pyrite. Contains a large vein of calcite intruding along the upper selvedge.			
								Py	2	DI
59.28	59.33	VN	37	80	NUL	1	5cm quartz/carbonate vein arrying blebby pyrite and sphalerite, as well as minor disseminated galena.			
								Gn	2	DI
								Sp	4	BL
								Py	8	BL
66.82	67.11	VN	37	55	NUL	1	Moderately silicified phyllic granodiorite carry8ing a quartz/carbonate vein zone. Vein zone consists of multiple smaller veins. Gouge is present along lower selvedge. Hosts dissemianted pyrite.			
								Py	3	DI
67.67	68.00	VN	37	-	NUL	1	32cm smokey quartz/breccia vein. Smokey quartz brecciates host phyllic granodiorite, quartz, and blebby pyrite. Vein hosts blebby arsenopyrite, an pyrite throughout. Displays slight banding between quartz and brown material found in vein (brecciated dyke? And quartz?)			
74.54	75.39	VN	37	55	NUL	3	23cm smokey quartz/carbonate (white, tan, pink) vein within phyllic altered granodiorite. Vein has intermittent veining between carbonate, smokey quartz, and a calcite vein suggesting multiple phases. Slight brecciation occurs along selvedges of two or more types of veining. Vein hosts disseminated pyrite. Vein zone has 1.5 and 2.5 cm carbonate veins in close proximity to the main vein zone (no visible mineralization)			
								Py	3	DI
79.92	79.95	VN	37	65	NUL	1	3cm quartz/carbonate vein hostind disseminated pyrite. Found within phyllic/propylitic altered halo.			
								Py	8	DI
92.38	92.42	VN	37	85	NUL	2	Two 1 cm quartz veins hosting disseminated pyrite.			
								Py	20	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
93.60	93.89	VN	37	80	NUL	3	Quartz carbonate veins (0.9-1.5) with both calcite and tan ankerite. Veins host disseminated pyrite.			
								Py	5	DI
107.57	107.68	VN	37	70	NUL	1	11cm quartz/carbonate vein found within a phyllic/propylitic altered granodiorite halo. Vein has tan ankerite, calcite, smokey quartz, and white quartz. Hosts disseminated to blebby pyrite.			
								Py	3	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383110	6890162	1344.93	98

ZONE: Central Klaza

SECTION:

HOLE: KL-16-319

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 9.14m, Out

Drilling Dates: Jul 20 - Jul 21, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3	3	OVB
3	11	8	GRD
11	25.04	14.04	GRD
25.04	33.64	8.6	QFP
33.64	50.58	16.94	GRD
50.58	57.08	6.5	QFP
57.08	65.23	8.15	GRD
65.23	74.43	9.2	GRD
74.43	98	23.57	GRD

SAMPLES	
Numbers:	S047861 to S047906
Total:	46
Batch:	068, 070
Certificates:	VA16123344, VA16126404

COMMENTS
No Downhole Survey

Box Log

KL-16-319

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	4.52
2	4.52	8
3	8	11.42
4	11.42	14
5	14	17
6	17	20
7	20	22.85
8	22.85	25.67
9	25.67	28.3
10	28.3	30.96
11	30.96	33.64
12	33.64	36.52
13	36.52	39.24
14	39.24	41.95
15	41.95	45.14
16	45.14	48.29
17	48.29	51.18
18	51.18	54.24
19	54.24	57.35
20	57.35	60.26
21	60.26	63.42
22	63.42	66.09
23	66.09	69.24
24	69.24	72.47
25	72.47	75.3
26	75.3	77.6
27	77.6	80.61
28	80.61	83.66
29	83.66	86.21
30	86.21	89.22
31	89.22	92.28
32	92.28	95.19
33	95.19	98

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-319									
	59	16.5	HQ	GRD	1379.7	869	2.68	2.7	Smokey quartz breccia vein carrying disseminated pyrite hosted in phyllic altered granodiorite.
	62.12	19	HQ	GRD	1631.7	1046.3	2.75	2.8	Phyllic argillic altered granodiorite with pyrite stringers
	68	16	HQ	GRD	1616	1093	3.24	3.1	Smokey quartz breccia carrying clasts of blebby pyrite, carbonate, and host granodiorite. Carbonate/quartz vein intrudes breccia vein carrying blebby pyrite, disseminated galena, and jasper.
	81.67	12	HQ	GRD	1037.8	657.9	2.77	2.7	Argillic propylitic altered granodiorite hostingf quartz carbonte veinlets. Veinlets carry blebby pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.00	11.00	8.00	GRD	MG	Extremely fractured and oxidized granodiorite/overburden. Contains high rubble zones.							
						MD	BR	RB	OXI	3I		
						MD	OR					
						LT	BR	FR	OXI	4I		
						LT	OR		ARG	2I		
11.00	25.04	14.04	GRD	MG	Highly fracture and gouge granodiorite. Granodiorite is trace phyllic altered with apparent quartz flooding. Severe rubble and gouge alteration makes textures and rock types very difficult to distinguish. Oxidation found throughout interval, but becomes more and more minor with depth. Small interval of more competent rock found, with gouge and fractured rock around it.							
						MD	OR		SIL	2I		
						LT	OR	RB	OXI	3I		
						LT	GY	FR	OXI	2I	Py	1
25.04	33.64	8.60	QFP	FG	Extremely fractured and and rubbly light grey quartz feldspar porhyry dyke. Broken down and weakly gouged.							
						MD	GY	FR				
						LT	GY	PO				
								RB				
33.64	50.58	16.94	GRD	MG	Argillic to argillic/propylitic altered granodiorite zone with patchy phyllic and potassic alteration sporadically throughout (along, and along with argillic alteration). Insignificant quartz/carbonate veins found randomly throughout. Zone contains rubbly/highly fractured zones, as well as patches of gouged granodiorite (~41m).							
						MD	GN					
						LT	PK					
						LT	GN					
50.58	57.08	6.50	QFP	FG	Light brown quartz feldspar porphyry d yke with light green phenocrysts. Small zones display patchy gouge and fractures. Lower dyke selvedge is gradual, and contains patches of black breccia along lower 10cm.							
						LT	BR	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.08	65.23	8.15	GRD	MG	Smokey quartz alternating with black breccia within a zone of siliceous phyllic granodiorite found along the lower footwall of quartz feldspar porphyry dyke. Transitions into moderate to strongly phyllic altered granodiorite with patchy argillic alteration that carries sporadic quartz veining and brecciation throughout. Zone displays patchy weak oxidation along lower portion of interval.							
						MD	GN	FR	PHC	4I	Sp	1
						MD	BL		ARG	2I		
						LT	GN	PA	PHC	3I	Py	3
						LT	OR	BX	SIL	2I	Gn	1
						LT	GY		SIL	3I		
									OXI	2I		
65.23	74.43	9.20	GRD	MG	Argillic altered granodiorite with patchy propylitic and phyllic overprinting. Contains small zones of broken down argillic granodiorite (weak rubble). Propylitic/argillic halo within hosting vein breccia. Trace patchy oxidation throughout, and on joints and fracture planes.							
						MD	WH	FR	PRO	2I	Sp	0.1
						MD	GN		OXI	1I		
						LT	WH	PA	ARG	3I	Gn	0.1
						LT	GN		PHC	2I	Py	1
74.43	98.00	23.57	GRD	MG	Unaltered granodiorite with patchy argillic and propylitic alteration (weak to moderate). Interval contains patches of rubbly oxidized granodiorite, and oxidation on fracture and joint planes throughout. Sporadic halos of moderate phyllic/propylitic/argillic granodiorite, but only one bears significant mineralization.							
						MD	WH	PA	ARG	2I		
						LT	GN	RB	OXI	2I		
						LT	OR	FR	ARG	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.00	11.00	8.00	GRD	MG	Extremely fractured and oxidized granodiorite/overburden. Contains high rubble zones.							
						LT	OR		ARG	2I		
						MD	BR	RB	OXI	3I		
						LT	BR	FR	OXI	4I		
						MD	OR					
11.00	25.04	14.04	GRD	MG	Highly fracture and gouge granodiorite. Granodiorite is trace phyllic altered with apparent quartz flooding. Severe rubble and gouge alteration makes textures and rock types very difficult to distinguish. Oxidation found throughout interval, but becomes more and more minor with depth. Small interval of more competent rock found, with gouge and fractured rock around it.							
						LT	GY	FR	OXI	2I	Py	1
						LT	OR	RB	OXI	3I		
						MD	OR		SIL	2I		
25.04	33.64	8.60	QFP	FG	Extremely fractured and and rubbly light grey to light brown quartz feldspar porhyry dyke. Broken down and weakly gouged.							
								RB				
						MD	GY	FR				
						LT	GY	PO				
33.64	50.58	16.94	GRD	MG	Argillic to argillic/propylitic altered granodiorite zone with patchy phyllic and potassic alteration sporadically throughout (along, and along with argillic alteration). Insignificant quartz/carbonate veins found randomly throughout. Zone contains rubbly/highly fractured zones, as well as patches of gouged granodiorite (~41m, 42m).							
						LT	PK					
						LT	GN					
						MD	GN					
50.58	57.08	6.50	QFP	FG	Light brown quartz feldspar porphyry d yke with light green phenocrysts. Small zones display patchy gouge and fractures. Lower dyke selvedge is gradual, and contains patches of black breccia along lower 10cm.							
						LT	BR	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.08	65.23	8.15	GRD	MG	Smokey quartz alternating with black breccia within a zone of siliceous phyllic granodiorite found along the lower footwall of quartz feldspar porphyry dyke. Transitions into moderate to strongly phyllic altered granodiorite with patchy argillic alteration that carries sporadic quartz veining and brecciation throughout. Zone displays patchy weak oxidation along lower portion of interval.							
						LT	GN	PA	PHC	3I	Py	3
						MD	GN	FR	PHC	4I	Sp	1
						LT	OR	BX	SIL	2I	Gn	1
						LT	GY		SIL	3I		
						MD	BL		ARG	2I		
									OXI	2I		
65.23	74.43	9.20	GRD	MG	Argillic altered granodiorite with patchy propylitic and phyllic overprinting. Contains small zones of broken down argillic granodiorite (weak rubble). Propylitic/argillic halo within hosting vein breccia. Trace patchy oxidation throughout, and on joints and fracture planes.							
						LT	WH	PA	ARG	3I	Gn	0.1
						MD	WH	FR	PRO	2I	Sp	0.1
						MD	GN		OXI	1I		
						LT	GN		PHC	2I	Py	1
74.43	98.00	23.57	GRD	MG	Unaltered granodiorite with patchy argillic and propylitic alteration (weak to moderate). Interval contains patches of rubbly oxidized granodiorite, and oxidation on fracture and joint planes throughout. Sporadic halos of moderate phyllic/propylitic/argillic granodiorite, but only one bears significant mineralization.							
						MD	GN		PHC	2I		
									PRO	3I		
									PHC	3I		
						MD	WH	PA	ARG	2I	Py	12
						LT	OR	FR	ARG	3I	Py	3
						LT	GN	RB	OXI	2I		
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.00	3.00	0.34	11	0.00	0	--	1H	6W	grass and soil
3.00	5.00	2.00	2	100	0.00	0	--	1H	6W	soil with some small boulders
5.00	8.00	3.00	2.33	78	0.25	8	--	1H	5W	
8.00	11.00	3.00	2.43	81	0.00	0	--	1H	5W	
11.00	14.00	3.00	2.82	94	0.00	0	--	1H	5W	
14.00	17.00	3.00	2.17	72	0.00	0	--	1H	4W	
17.00	20.00	3.00	2.83	94	0.00	0	--	1H	3W	
20.00	23.00	3.00	2.82	94	0.83	28	--	2H	2W	
23.00	26.00	3.00	2.6	87	0.41	14	--	2H	2W	
26.00	29.00	3.00	2.8	93	0.13	4	--	2H	2W	
29.00	32.00	3.00	2.82	94	0.33	11	--	3H	1W	
32.00	35.00	3.00	2.87	96	0.25	8	--	3H	1W	
35.00	38.00	3.00	2.85	95	0.58	19	--	3H	1W	
38.00	41.00	3.00	2.95	98	1.68	56	--	3H	2W	
41.00	44.00	3.00	3	100	1.43	48	--	1H	2W	
44.00	47.00	3.00	2.89	96	1.82	61	--	1H	1W	gougy zones
47.00	50.00	3.00	2.87	96	1.15	38	--	2H	1W	narrow gouge zones
50.00	53.00	3.00	2.93	98	1.65	55	--	2H	1W	crumbly breccia
53.00	56.00	3.00	2.9	97	0.52	17	--	1H	1W	crumbly breccia and gouge
56.00	59.00	3.00	2.99	100	1.82	61	--	1H	1W	
59.00	62.00	3.00	2.85	95	1.86	62	--	3H	2W	
62.00	65.00	3.00	2.76	92	1.17	39	--	3H	2W	
65.00	68.00	3.00	2.72	91	1.73	58	--	1H	2W	gouge interval
68.00	71.00	3.00	2.93	98	2.50	83	--	2H	2W	
71.00	74.00	3.00	2.71	90	1.55	52	--	3H	2W	
74.00	77.00	3.00	2.95	98	0.58	19	--	3H	2W	
77.00	80.00	3.00	2.79	93	1.06	35	--	1H	2W	
80.00	83.00	3.00	2.75	92	1.61	54	--	4H	1W	
83.00	86.00	3.00	2.97	99	1.23	41	--	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.92	97	2.60	87	--	5H	2W	
89.00	92.00	3.00	3	100	1.40	47	--	2H	1W	
92.00	95.00	3.00	2.96	99	1.87	62	--	3H	1W	
95.00	98.00	3.00	2.95	98	1.75	58	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
5	23.7	GRD	
6	10.5	GRD	
7	0.389	GRD	
8	0.354	GRD	
9	0.235	GRD	
10	0.201	GRD	
11	0.102	GRD	
11	0.102	GRD	
12	0.147	GRD	
13	0.138	GRD	
14	0.283	GRD	
15	0.136	GRD	
16	0.134	GRD	
17	0.323	GRD	
18	0.189	GRD	
19	0.189	GRD	
20	0.348	GRD	
21	0.495	GRD	
22	0.259	GRD	
23	0.225	GRD	
24	0.144	GRD	
25	0.345	GRD	
26	0.271	QFP	
27	0.196	QFP	
28	0.285	QFP	
29	0.178	QFP	
30	0.204	QFP	
31	0.315	QFP	
32	0.162	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
33	0.359	QFP	
34	0.284	GRD	
35	0.333	GRD	
36	0.35	GRD	
37	1.54	GRD	
38	2.51	GRD	
39	3.25	GRD	
40	4.61	GRD	
41	0.281	GRD	
42	0.509	GRD	
43	0.289	GRD	
44	0.409	GRD	
45	0.308	GRD	
46	0.452	GRD	
47	0.246	GRD	
48	0.482	GRD	
49	0.435	GRD	
50	1.67	GRD	
51	0.392	QFP	
52	0.33	QFP	
53	0.207	QFP	
54	0.212	QFP	
55	0.589	QFP	
55	0.229	QFP	
56	0.271	QFP	
57	0.479	QFP	
58	0.294	GRD	
59	0.304	GRD	
60	0.514	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
61	0.244	GRD	
62	0.415	GRD	
63	0.852	GRD	
64	0.288	GRD	
65	0.157	GRD	
66	6.86	GRD	
67	0.307	GRD	
68	0.197	GRD	
69	0.971	GRD	
70	0.426	GRD	
71	5.75	GRD	
72	5.79	GRD	
73	0.551	GRD	
74	15.7	GRD	
75	23.7	GRD	
76	0.37	GRD	
77	28.9	GRD	
78	23.5	GRD	
79	25.5	GRD	
80	34.9	GRD	
81	34	GRD	
82	46.3	GRD	
83	36.1	GRD	
84	22.9	GRD	
85	30.1	GRD	
86	23.8	GRD	
87	21.5	GRD	
88	27	GRD	
89	29.3	GRD	
90	6.75	GRD	
91	6.06	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
92	0.671	GRD	
93	0.541	GRD	
94	7.72	GRD	
95	0.383	GRD	
96	15.9	GRD	
97	45.9	GRD	
98	28.6	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S047878	☐	16-070		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047884	☐	16-070			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047892	☐	16-070			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047904	☐	16-070		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047863	☐	16-068			☑	☐	☐
9.95	11.00	1.05	GRD	0.63	60	S047861	☐	16-068			☐	☐	☐
11.00	12.77	1.77	GRD, GRD	1.51	85	S047862	☐	16-068			☐	☐	☐
12.77	14.00	1.23	GRD	1.23	100	S047864	☐	16-068			☐	☐	☐
14.00	14.78	0.78	GRD	0.78	100	S047865	☐	16-068			☐	☐	☐
14.78	17.00	2.22	GRD	2.09	94	S047866	☐	16-068			☐	☐	☐
17.00	18.46	1.46	GRD	1.46	100	S047867	☐	16-068			☐	☐	☐
18.46	20.00	1.54	GRD	1.27	82	S047868	☐	16-068			☐	☐	☐
20.00	20.57	0.57	GRD	0.57	100	S047869	☐	16-068			☐	☐	☐
20.00	20.57	0.57	GRD	0.57	100	S047870	☐	16-068			☐	☐	☑
33.00	33.64	0.64	QFP	0.64	100	S047871	☐	16-068			☐	☐	☐
33.64	34.28	0.64	QFP, GRD	0.64	100	S047872	☐	16-068			☐	☐	☐
34.28	35.41	1.13	GRD	1.13	100	S047873	☐	16-068			☐	☐	☐
42.16	42.79	0.63	GRD	0.63	100	S047874	☐	16-070			☐	☐	☐
42.79	43.43	0.64	GRD	0.54	84	S047875	☐	16-070			☐	☐	☐
43.43	44.00	0.57	GRD	0.57	100	S047876	☐	16-070			☐	☐	☐
44.00	45.00	1.00	GRD	1.00	100	S047877	☐	16-070			☐	☐	☐
45.00	46.66	1.66	GRD	1.66	100	S047879	☐	16-070			☐	☐	☐
46.66	48.06	1.40	GRD	1.40	100	S047880	☐	16-070			☐	☐	☐
48.06	48.58	0.52	GRD	0.52	100	S047881	☐	16-070			☐	☐	☐
48.58	50.08	1.50	GRD	1.47	98	S047882	☐	16-070			☐	☐	☐
50.08	50.59	0.51	GRD	0.51	100	S047883	☐	16-070			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.59	51.18	0.59	QFP	0.55	93	S047899	☐	16-070			☐	☐	☐
56.22	56.82	0.60	QFP	0.60	100	S047900	☐	16-070			☐	☐	☐
56.82	57.83	1.01	QFP	1.01	100	S047885	☐	16-070			☐	☐	☐
57.83	58.40	0.57	GRD	0.57	100	S047886	☐	16-070			☐	☐	☐
57.83	58.40	0.57	GRD	0.57	100	S047887	☐	16-070			☐	☑	☐
58.40	59.00	0.60	GRD	0.60	100	S047888	☐	16-070			☐	☐	☐
59.00	60.16	1.16	GRD	1.16	100	S047889	☐	16-070			☐	☐	☐
60.16	60.78	0.62	GRD	0.62	100	S047890	☐	16-070			☐	☐	☐
60.78	62.60	1.82	GRD	1.82	100	S047891	☐	16-070			☐	☐	☐
62.60	64.33	1.73	GRD	1.73	100	S047893	☐	16-070			☐	☐	☐
64.33	65.44	1.11	GRD	1.11	100	S047894	☐	16-070			☐	☐	☐
65.44	67.37	1.93	GRD	1.93	100	S047895	☐	16-070			☐	☐	☐
67.37	68.19	0.82	GRD	0.82	100	S047896	☐	16-070			☐	☐	☐
68.19	68.74	0.55	GRD	0.55	100	S047897	☐	16-070			☐	☐	☐
68.19	68.74	0.55	GRD	0.55	100	S047898	☐	16-070			☐	☐	☑
68.74	69.24	0.50	GRD	0.50	100	S047901	☐	16-070			☐	☐	☐
75.71	76.37	0.66	GRD	0.66	100	S047902	☐	16-070			☐	☐	☐
92.28	92.78	0.50	GRD	0.50	100	S047903	☐	16-070			☐	☐	☐
92.78	94.48	1.70	GRD	1.70	100	S047905	☐	16-070			☐	☐	☐
94.48	95.00	0.52	GRD	0.52	100	S047906	☐	16-070			☐	☐	☐

KL-16-319

Central Klaza

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	9.95			☐	☐	☐	☐	
16-068	S047863	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-070	S047878	0.00	0.00	4.51	1240	☐	☐	☐	☑ KL-STD1	
16-070	S047884	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-070	S047892	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-070	S047904	0.00	0.00	0.34	940	☐	☐	☐	☑ KL-STD4	
16-068	S047861	9.95	11.00	0.01	2410	☐	☐	☐	☐	
16-068	S047862	11.00	12.77	0.06	710	☐	☐	☐	☐	
16-068	S047864	12.77	14.00	0.02	770	☐	☐	☐	☐	
16-068	S047865	14.00	14.78	0.04	680	☐	☐	☐	☐	
16-068	S047866	14.78	17.00	0.01	730	☐	☐	☐	☐	
16-068	S047867	17.00	18.46	0.04	1050	☐	☐	☐	☐	
16-068	S047868	18.46	20.00	0.01	1340	☐	☐	☐	☐	
16-068	S047869	20.00	20.57	0.00	1140	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-068	S047870	20.00	20.57	0.00	1180	☐	☑	☐	☐	
		20.57	33.00			☐	☐	☐	☐	
16-068	S047871	33.00	33.64	0.01	2160	☐	☐	☐	☐	
16-068	S047872	33.64	34.28	0.40	1160	☐	☐	☐	☐	
16-068	S047873	34.28	35.41	0.01	790	☐	☐	☐	☐	
		35.41	42.16			☐	☐	☐	☐	
16-070	S047874	42.16	42.79	0.01	1270	☐	☐	☐	☐	
16-070	S047875	42.79	43.43	0.01	1820	☐	☐	☐	☐	
16-070	S047876	43.43	44.00	0.00	3080	☐	☐	☐	☐	
16-070	S047877	44.00	45.00	0.01	2180	☐	☐	☐	☐	
16-070	S047879	45.00	46.66	0.01	1710	☐	☐	☐	☐	
16-070	S047880	46.66	48.06	0.02	1140	☐	☐	☐	☐	
16-070	S047881	48.06	48.58	0.31	1310	☐	☐	☐	☐	
16-070	S047882	48.58	50.08	0.00	1830	☐	☐	☐	☐	
16-070	S047883	50.08	50.59	1.29	520	☐	☐	☐	☐	
16-070	S047899	50.59	51.18	0.03	340	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		51.18	56.22			☐	☐	☐	☐	
16-070	S047900	56.22	56.82	0.02	1500	☐	☐	☐	☐	
16-070	S047885	56.82	57.83	0.30	730	☐	☐	☐	☐	
16-070	S047886	57.83	58.40	0.01	760	☐	☐	☐	☐	
16-070	S047887	57.83	58.40	0.01	550	☑	☐	☐	☐	
16-070	S047888	58.40	59.00	0.01	2430	☐	☐	☐	☐	
16-070	S047889	59.00	60.16	0.05	630	☐	☐	☐	☐	
16-070	S047890	60.16	60.78	2.20	4850	☐	☐	☐	☐	
16-070	S047891	60.78	62.60	0.57	730	☐	☐	☐	☐	
16-070	S047893	62.60	64.33	0.01	1410	☐	☐	☐	☐	
16-070	S047894	64.33	65.44	1.71	510	☐	☐	☐	☐	
16-070	S047895	65.44	67.37	0.01	2060	☐	☐	☐	☐	
16-070	S047896	67.37	68.19	5.56	1260	☐	☐	☐	☐	
16-070	S047897	68.19	68.74	0.03	1680	☐	☐	☐	☐	
16-070	S047898	68.19	68.74	0.03	1660	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-070	S047901	68.74	69.24	0.18	1410	☐	☐	☐	☐	
		69.24	75.71			☐	☐	☐	☐	
16-070	S047902	75.71	76.37	0.10	1600	☐	☐	☐	☐	
		76.37	92.28			☐	☐	☐	☐	
16-070	S047903	92.28	92.78	0.12	850	☐	☐	☐	☐	
16-070	S047905	92.78	94.48	0.00	1850	☐	☐	☐	☐	
16-070	S047906	94.48	95.00	0.72	1180	☐	☐	☐	☐	
		95.00	98.00			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
11.00	12.21	GO	34	-	NUL	1	Highly fractured and gouge granodiorite. Contains patches of weak oxidation, and hosts disseminated pyrite in broken down quartz veins.			
								Py	2	DI
12.47	12.56	GO	34	-	NUL	1	Gouged and rubbly smokey quartz vein with weak oxidation. Disseminated pyrite is visible within rubble.			
								Py	1	DI
18.45	18.82	GO	34	-	NUL	1	Severely gouge altered granodiorite carrying a broken down quartz vein hosting disseminated pyrite. Slight oxidation present.			
								Py	3	DI
33.64	33.75	GO	34	-	NUL	1	Gouged and fractured smokey quartz vein found within phyllic granodiorite. Broken down vein hosts blebby sphalerite, galena, and disseminated pyrite (seen in fragments of vein that have not undergone gouge alteration and breakdown). Located along lower footwall of quartz feldspar porphyry dyke.			
								Py	1	DI
								Sp	3	BL
								Gn	3	BL
41.27	41.29	VN	37	80	NUL	1	2cm Smokey quartz/carbonate vein with no mineralization. Carbonate displays zoning with quartz found proximal to veining, and smokey quartz veining occurring along the lower carbonate selvedge vein.			
42.30	42.74	GO	34	-	NUL	1	Gouged zone of argillic/phyllic granodiorite carrying a broken down quartz vein that hosts disseminated pyrite.			
								Py	1	DI
46.76	46.82	GO	34	-	NUL	1	Gouged zone of argillic/phyllic granodiorite carrying a broken down quartz vein that hosts disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
48.23	48.42	VB	37	75	NUL	1	Gouged siliceous phyllic granodiorite carrying a breccia vein zone. 4.5cm weakly gouged breccia carrying quartz/carbonate/granodiorite clasts, and blebby pyrite, galena, and disseminated pyrite. Breccia is immediately followed by a 3.5cm quartz vein found along the lower selvedge of the breccia. Vein hosts blebby pyrite, sphalerite, and disseminated galena proximal to veining. Vein breccia surrounded by gouge			
								Sp	2	BL
								Gn	3	BL
								Py	4	BL
50.38	50.61	VN	37	-	NUL	3	moderately Siliceous argillic/phyllic vein zone that has been weakly gouged. Carries 3 main quartz veins, each carrying blebby pyrite, sphalerite. Found along upper selvedge of quartz feldspar porphyry dyke along contact.			
								Sp	4	BL
								Py	8	BL
57.00	57.80	VB	37	70	NUL	3	Black breccia found within quartz feldspar porphyry continuing past contact that transitions into smokey quartz veins with weak brecciation throughout. Veins are sporadic, but segregated into 3 main zones within the 80cm vein zone. Found within siliceous argillic/phyllic granodiorite. Veins host blebby to disseminated pyrite, blebby galena, blebby sphalerite.			
								Py	5	BL
								Py	1	DI
								Sp	3	BL
								Gn	3	BL
59.00	59.07	BX	34	85	NUL	1	Black breccia vein crosscutting strong phyllic granodiorite. Carries clasts of quartz, host granodiorite, and disseminated to blebby pyrite.			
								Py	1	DI
								Py	1	BL
60.26	63.59	VN	37	60	NUL	5	Phyllic granodiorite hosting multiple quartz/smokey quartz veins. Veins host disseminted to blebby pyrite, and sporadic blebby arsenoyrite, sphalerite, and galena.			
								Py	18	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								As	4	BL
								Gn	4	BL
								Py	4	DI
								Sp	4	BL
62.55	62.58	VN	37	65	NUL	1	2.5cm quartz vein hosting blebby arsenopyrite, sphalerite, and dissemianted pyrite.			
								Py	1	DI
								Py	8	BL
								As	20	BL
								Sp	7	BL
64.69	65.22	VN	37	-	NUL	1	53cm quartz flooded argillic granodiorite hosting blebby pyrite, sphalerite.			
								Py	5	BL
								Sp	5	BL
67.88	68.12	VB	37	60	NUL	1	Smokey quartz breccia carrying clasts of blebby pyrite, carbonate, and host granodiorite. Carbonate/quartz vein intrudes breccia vein carrying blebby pyrite, disseminated galena, and jasper			
								Gn	1	DI
								Py	17	BL
								Sp	1	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382524	6886929	1247.37	75.28

ZONE: Exploration

SECTION:

HOLE: KL-16-320

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.05m, Out

Drilling Dates: Jul 21 - Jul 22, 2016

Geology Logged By: J. Tarswell

SURVEY			
Depth (m)	Azimuth	Dip	Method
75.28	358.8	-85.6	Reflex
75.28	358.8	-85.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1	1	CAS
1	3.13	2.13	VOL
3.13	20.9	17.77	SIL
20.9	75.28	54.38	VOL

SAMPLES	
Numbers:	R614393 to R614424
Total:	32
Batch:	069, 071
Certificates:	VA16123345, VA16126414

COMMENTS
No downhole survey.

Box Log

KL-16-320

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.4	4.28
2	4.28	7.58
3	7.58	10.17
4	10.17	12.28
5	12.28	15.1
6	15.1	18
7	18	20.65
8	20.65	23.23
9	23.23	26.11
10	26.11	29.46
11	29.46	33.14
12	33.14	36.68
13	36.68	40.96
14	40.96	43.84
15	43.84	46.93
16	46.93	49.82
17	49.82	52.67
18	52.67	55.56
19	55.56	58.19
20	58.19	61.12
21	61.12	63.76
22	63.76	66.7
23	66.7	69.78
24	69.78	72.6
25	72.6	75.28

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-320									
	4.32	14.5	HQ	SIL	1207.2	742.5	2.67	2.6	Milky and smokey quartz breccia hosting disseminated sulphides.
	12.05	7	HQ	SIL	1	0.5	0	2.0	Smokey quartz breccia hosting blebby galena and pervasive disseminated pyrite. Disseminated sulphosalts also present. Well developed vein.
	59.63	15	HQ	VOL	1349.2	842.3	2.89	2.7	Phyllic altered volcanic hosting 1-3 cm milky quartz veins.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.00	3.13	2.13	VOL	FG	Black unaltered mount Nansen volcanic unit. Rubbly and ground up.							
						DK	BK	AN				
						DK	GY					
3.13	20.90	17.77	SIL	FG	Strongly oxidized siliceous dyke. Very rubbly. Fine grained. Strongly altered to light green where it isnt orange.							
						MD	OR		PHC	4I		
						LT	GN	PO	OXI	5I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.00	3.13	2.13	VOL	FG	Black unaltered mount Nansen volcanic unit. Rubbly and ground up.							
						DK	GY					
						DK	BK	AN				
3.13	20.90	17.77	SIL	FG	Strongly oxidized siliceous dyke. Very rubbly. Fine grained. Strongly altered to light green where it is not orange.							
						MD	OR		PHC	4I		
						LT	GN	PO	OXI	5I		
20.90	75.28	54.38	VOL	FG	Banded unaltered Mount Nansen volcanics and strongly bleached phyllic altered volcanic near large veins. Epidote stringers in place of pyrite stringers. Very rubbly. Rare fracture pyrite.							
						DK	BK					
						LT	GY					
						DK	GY	BN	PHC	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.40	1.40	0	0	0.00	0	--	--	--	Cased
1.40	2.13	0.73	0.3	41	0.00	0	--	3H	3W	
2.13	5.18	3.05	2.35	77	0.12	4	--	3H	4W	
5.18	8.23	3.05	2.27	74	0.00	0	--	3H	4W	
8.23	11.28	3.05	2.89	95	0.47	15	--	3H	4W	
11.28	14.33	3.05	2.84	93	0.45	15	--	2H	4W	
14.33	17.37	3.04	2.7	89	1.46	48	--	3H	3W	
17.37	20.42	3.05	2.93	96	0.92	30	--	3H	3W	
20.42	23.47	3.05	3.03	99	1.67	55	--	4H	2W	
23.47	26.52	3.05	3.04	100	1.02	33	--	4H	2W	
26.52	29.57	3.05	3.05	100	1.45	48	--	4H	1W	
29.57	32.61	3.04	1.8	59	0.99	33	--	4H	2W	Missing core
32.61	35.66	3.05	3.02	99	1.54	50	--	4H	1W	
35.66	38.71	3.05	1.98	65	1.58	52	--	4H	1W	
38.71	41.76	3.05	2.26	74	1.59	52	--	5H	2W	
41.76	44.81	3.05	3.03	99	2.34	77	--	5H	2W	
44.81	47.85	3.04	3.02	99	1.46	48	--	5H	1W	
47.85	50.90	3.05	2.88	94	2.60	85	--	4H	1W	
50.90	53.95	3.05	2.98	98	0.85	28	--	2H	1W	
53.95	57.00	3.05	2.95	97	0.76	25	--	3H	1W	
57.00	60.05	3.05	3.05	100	1.42	47	--	4H	1W	
60.05	63.09	3.04	2.95	97	0.94	31	--	3H	1W	
63.09	66.14	3.05	2.94	96	0.62	20	--	3H	1W	
66.14	69.19	3.05	3.05	100	1.96	64	--	2H	1W	
69.19	72.24	3.05	3.02	99	1.40	46	--	4H	1W	
72.24	75.28	3.04	2.98	98	2.00	66	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
3	20	VOL	
4	0.422	SIL	
5	0.367	SIL	
6	0.14	SIL	
7	0.166	SIL	
8	0.232	SIL	
9	0.232	SIL	
10	0.178	SIL	
11	0.376	SIL	
12	0.24	SIL	
13	0.378	SIL	
14	0.299	SIL	
15	0.122	SIL	
16	0.229	SIL	
17	0.188	SIL	
18	0.305	SIL	
19	0.151	SIL	
20	0.104	SIL	
21	17.5	VOL	
22	22.8	VOL	
23	8.88	VOL	
24	39.4	VOL	
25	21.2	VOL	
26	37.7	VOL	
27	23.3	VOL	
28	26.4	VOL	
29	32.7	VOL	
30	11.1	VOL	
31	18	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
32	0.239	VOL	
33	0.329	VOL	
34	0.21	VOL	
35	0.374	VOL	
36	29	VOL	
37	20	VOL	
38	32.4	VOL	
39	38.2	VOL	
40	19.8	VOL	
41	41.5	VOL	
42	37.4	VOL	
43	26.4	VOL	
44	42.1	VOL	
45	29.9	VOL	
46	35.1	VOL	
47	26.3	VOL	
48	26.4	VOL	
49	35.7	VOL	
50	31.7	VOL	
51	19.7	VOL	
52	0.518	VOL	
53	0.234	VOL	
54	0.66	VOL	
55	3.21	VOL	
56	0.519	VOL	
57	7.88	VOL	
58	15.5	VOL	
59	28.8	VOL	
60	3.19	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
61	8.16	VOL	
62	2.57	VOL	
63	0.394	VOL	
64	0.385	VOL	
65	0.391	VOL	
66	0.713	VOL	
67	39.3	VOL	
68	5.08	VOL	
69	28.1	VOL	
70	26.2	VOL	
71	0.591	VOL	
72	22.3	VOL	
73	32.2	VOL	
74	23.4	VOL	
75	28.7	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614400	☐	16-069		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614406	☐	16-071		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614409	☐	16-071			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614414	☐	16-071			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614422	☐	16-071		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614394	☐	16-069			☑	☐	☐
3.13	4.48	1.35	VOL, SIL	1.00	74	R614393	☐	16-069			☐	☐	☐
4.48	5.08	0.60	SIL	0.60	100	R614395	☐	16-069			☐	☐	☐
5.08	6.20	1.12	SIL	1.12	100	R614396	☐	16-069			☐	☐	☐
5.08	6.20	1.12	SIL	1.12	100	R614397	☐	16-069			☐	☐	☑
6.20	8.23	2.03	SIL	1.95	96	R614398	☐	16-069			☐	☐	☐
8.23	11.28	3.05	SIL	3.00	98	R614399	☐	16-069			☐	☐	☐
11.28	11.78	0.50	SIL	0.50	100	R614401	☐	16-069			☐	☐	☐
11.78	12.28	0.50	SIL	0.50	100	R614402	☐	16-069			☐	☐	☐
12.28	12.78	0.50	SIL	0.50	100	R614403	☐	16-071			☐	☐	☐
12.78	13.28	0.50	SIL	0.50	100	R614404	☐	16-071			☐	☐	☐
13.28	14.95	1.67	SIL	1.57	94	R614405	☐	16-071			☐	☐	☐
14.95	15.45	0.50	SIL	0.50	100	R614407	☐	16-071			☐	☐	☐
15.45	16.06	0.61	SIL	0.58	95	R614408	☐	16-071			☐	☐	☐
16.06	16.66	0.60	SIL	0.60	100	R614410	☐	16-071			☐	☐	☐
16.66	17.37	0.71	SIL	0.71	100	R614411	☐	16-071			☐	☐	☐
17.37	19.04	1.67	SIL	1.67	100	R614424	☐	16-071			☐	☐	☐
19.04	19.72	0.68	SIL	0.68	100	R614412	☐	16-071			☐	☐	☐
19.72	20.42	0.70	SIL	0.70	100	R614413	☐	16-071			☐	☐	☐
20.42	21.32	0.90	SIL	0.90	100	R614415	☐	16-071			☐	☐	☐
21.32	22.13	0.81	VOL	0.81	100	R614416	☐	16-071			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
21.32	22.13	0.81	VOL	0.81	100	R614417	☐	16-071			☐	☑	☐
51.08	51.73	0.65	VOL	0.65	100	R614418	☐	16-071			☐	☐	☐
51.73	53.09	1.36	VOL	1.36	100	R614419	☐	16-071			☐	☐	☐
53.09	53.95	0.86	VOL	0.86	100	R614420	☐	16-071			☐	☐	☐
53.95	54.60	0.65	VOL	0.65	100	R614421	☐	16-071			☐	☐	☐
61.27	61.84	0.57	VOL	0.50	88	R614423	☐	16-071			☐	☐	☐

KL-16-320

Exploration

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	3.13			☐	☐	☐	☐	
16-069	R614394	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-069	R614400	0.00	0.00	1.59	1310	☐	☐	☐	☑ KL-STD6	
16-071	R614406	0.00	0.00	1.73	380	☐	☐	☐	☑ KL-STD6	
16-071	R614409	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-071	R614414	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-071	R614422	0.00	0.00	4.25	330	☐	☐	☐	☑ KL-STD1	
16-069	R614393	3.13	4.48	2.95	260	☐	☐	☐	☐	
16-069	R614395	4.48	5.08	0.43	410	☐	☐	☐	☐	
16-069	R614396	5.08	6.20	0.35	510	☐	☐	☐	☐	
16-069	R614397	5.08	6.20	0.29	510	☐	☑	☐	☐	
16-069	R614398	6.20	8.23	0.08	620	☐	☐	☐	☐	
16-069	R614399	8.23	11.28	0.06	710	☐	☐	☐	☐	
16-069	R614401	11.28	11.78	0.04	840	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-069	R614402	11.78	12.28	0.11	660	☐	☐	☐	☐	
16-071	R614403	12.28	12.78	0.43	450	☐	☐	☐	☐	
16-071	R614404	12.78	13.28	0.01	1220	☐	☐	☐	☐	
16-071	R614405	13.28	14.95	0.12	1070	☐	☐	☐	☐	
16-071	R614407	14.95	15.45	0.41	600	☐	☐	☐	☐	
16-071	R614408	15.45	16.06	0.93	280	☐	☐	☐	☐	
16-071	R614410	16.06	16.66	0.03	730	☐	☐	☐	☐	
16-071	R614411	16.66	17.37	0.15	710	☐	☐	☐	☐	
16-071	R614424	17.37	19.04	0.02	680	☐	☐	☐	☐	
16-071	R614412	19.04	19.72	0.13	450	☐	☐	☐	☐	
16-071	R614413	19.72	20.42	0.14	210	☐	☐	☐	☐	
16-071	R614415	20.42	21.32	0.00	1350	☐	☐	☐	☐	
16-071	R614416	21.32	22.13	0.00	1530	☐	☐	☐	☐	
16-071	R614417	21.32	22.13	0.00	1450	☑	☐	☐	☐	
		22.13	51.08			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-071	R614418	51.08	51.73	0.03	1350	☐	☐	☐	☐	
16-071	R614419	51.73	53.09	0.03	310	☐	☐	☐	☐	
16-071	R614420	53.09	53.95	0.03	980	☐	☐	☐	☐	
16-071	R614421	53.95	54.60	0.01	1450	☐	☐	☐	☐	
		54.60	61.27			☐	☐	☐	☐	
16-071	R614423	61.27	61.84	0.04	1400	☐	☐	☐	☐	
		61.84	75.28			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
4.28	4.48	VB	37	70	NUL	1	Strongly oxidized, rubbly smokey and milky quartz breccia hosting disseminated pyrite and a fine grained acicular silver mineral. Sulphosalts?			
								Jm	0.1	DI
								Py	1	DI
11.95	12.28	VB	37	70	NUL	1	Strongly oxidized breccia vein. Very rubbly. Smokey and milky quartz make up the matrix. Breccia host disseminated pyrite and blebby galena. Semi massive galena veinlets cross cut breccia pieces. Sulphosalts disseminated in some areas.			
								Jm	1	DI
								Gn	5	BL
								Py	1	DI
15.50	15.90	VB	37	70	NUL	1	milky and smokey quartz breccia vein hosting disseminated Sulphosalts and pyrite. Rare blebby galena present			
								Jm	2	DI
								Gn	1	BL
								Py	2	DI
19.80	20.42	VB	37	70	NUL	1	Banded smokey/milky quartz breccia and yellow gouge material. Very oxidized and rubbly. Breccia hosts disseminated galena and pyrite.			
								Gn	1	DI
								Py	1	DI
52.00	52.80	VN	37	65	NUL	1	Smokey and milky quartz vein. Extremely rubbly. Gouge in fractures. No sulphides			
56.50	56.60	VN	37	60	NUL	1	smokey and milky quartz hosting pervasive disseminated pyrite.			
								Py	30	DI
59.50	59.55	VN	37	80	NUL	1	Swirling milky quartz vein.			
64.30	64.37	VN	37	60	NUL	1	smokey quartz vein hosting fine grained pervasive disseminated pyrite.			
								Py	10	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383126	6890085	1351.97	152

ZONE: Central Klaza

SECTION:

HOLE: KL-16-321

CLAIM: Klaza 19

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: -

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2	2	OVB
2	6.96	4.96	OVB
6.96	22.54	15.58	GRD
22.54	33.12	10.58	GRD
33.12	36.51	3.39	GRD
36.51	37.21	0.7	SIL
37.21	38.19	0.98	GRD
38.19	39.53	1.34	SIL
39.53	50.47	10.94	GRD
50.47	69.29	18.82	GRD
69.29	82.18	12.89	QFP
82.18	85.17	2.99	GRD
85.17	89.4	4.23	QFP
89.4	92.63	3.23	GRD
92.63	97.58	4.95	QFP
97.58	101	3.42	GRD

SAMPLES	
Numbers:	R616151 to R616165, S047907 to S047950
Total:	59
Batch:	070, 072, 074
Certificates:	VA16126404, VA16126415, VA16126419

COMMENTS
No Downhole Survey completed.

101	108.55	7.55	GRD
108.55	140.77	32.22	GRD
140.77	144.35	3.58	SIL
144.35	152	7.65	GRD

Box Log

KL-16-321

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	4.05
2	4.05	8.74
3	8.74	11.29
4	11.29	14.67
5	14.67	17.48
6	17.48	20.45
7	20.45	24.36
8	24.36	27.42
9	27.42	30.32
10	30.32	32.93
11	32.93	35.9
12	35.9	39.03
13	39.03	41.93
14	41.93	44.84
15	44.84	48
16	48	51.27
17	51.27	54.32
18	54.32	57.36
19	57.36	60.84
20	60.84	63.62
21	63.62	66.43
22	66.43	69.53
23	69.53	72.26
24	72.26	75.45
25	75.45	78.44
26	78.44	81.33
27	81.33	84.24
28	84.24	87.11
29	87.11	89.92
30	89.92	93.21
31	93.21	96.28
32	96.28	99.53
33	99.53	102.43
34	102.43	105.63
35	105.63	108.88
36	108.88	111.56
37	111.56	114.72
38	114.72	117.75
39	117.75	121.01
40	121.01	124.16
41	124.16	127.11
42	127.11	130.1
43	130.1	133.25
44	133.25	136.39
45	136.39	139.72
46	139.72	142.78
47	142.78	145.8
48	145.8	148.94
49	148.94	152

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-321									
	40.17	16.7	HQ	GRD	1276	844.8	2.45	3.0	quartz/smokey quartz vein found within argillic/phyllic granodiorite. Vein hosts blebby pyrite, and minor disseminated sphalerite.
	62	20	HQ	GRD	1673.2	1051	2.68	2.7	Black breccia in phyllic granodiorite
	92.57	14	HQ	GRD	1164	740	2.67	2.8	Strongly propylitic altered granodiorite along the contact of a quartz feldspar porphyry dyke.
	121.08	16	HQ	GRD	1321.3	829.1	2.65	2.7	Phyllic/propylitic granodiorite with smokey quartz veinlets
	135.95	12	HQ	GRD	1068.6	686	2.86	2.8	flooded quartz breccia vein. Vein hosts blebby and disseminated pyrite, sphalerite, and galena. Vein zone displays foliated-like textures of elongated granodiorite, quartz, and carbonate grains throughout, oriented roughly between 30-40*TCA. Interval contains clasts of quartz, phyllic/propylitic granodiorite, carbonate, and sulfides.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.00	2.00	OVB	--	Organics and overburden							
						MD	BR					
						LT	BR					
2.00	6.96	4.96	OVB	--	Soil and overburden, as well as unaltered granodiorite.							
						MD	BR					
6.96	22.54	15.58	GRD	MG	Etremely fractured and rubbly argillic altered granodiorite displaying moderate to high oxidation through the first half of the interval, and then decreases with depth. Patches of unaltered granodiorite.							
						MD	BR	RB	ARG	3I		
						MD	OR		OXI	2I		
						MD	WH		OXI	3I		
						LT	BR	FR	ARG	2I		
						LT	OR		ARG	4I		
									OXI	4I		
22.54	33.12	10.58	GRD	MG	Unaltered to trace propylitic/potassic altered granodiorite. Displays patchy moderate to strong oxidation along fractures and joint planes.							
						LT	GN	FR	POT	1I		
						LT	PK		PRO	1I		
									OXI	3I		
33.12	36.51	3.39	GRD	MG	Argillic granodioriet with patchy weak phyllic and potassic overprinting. Contains patches of oxidation throughout. Small rubbly zones present within argillic granodiorite.							
						MD	WH	RB	OXI	3I		
						MD	OR		ARG	3I		
						LT	WH	FR	OXI	2I		
						LT	PK		ARG	2I		
						LT	OR		ARG	4I		
									PHC	2I		
									POT	2I		
36.51	37.21	0.70	SIL	FG	Siliceous medium to dark green dyke found at a low angle (5*TCA)							
						MD	GN	PO				
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
37.21	38.19	0.98	GRD	MG	Argillic/phyllic altered granodiorite. Between two dykes.							
						MD	WH		ARG	3I		
						LT	GN		ARG	2I		
									PHC	2I		
38.19	39.53	1.34	SIL	FG	Siliceous medium to dark green dyke found at a low angle (5*TCA). Crosscuts argillic/phyllic altered granodiorite.							
						MD	GN	PO				
						DK	GN					
39.53	50.47	10.94	GRD	MG	Moderate to strongly phyllic altered granodiorite with oxidized fracture and joint planes. Phyllic alteration alternates with patches of moderate to strong potassic, argillic, and argillic/potassic alteration. Beginning of interval is located along lower footwall of siliceous dyke, and displays black quartz brecciation and quartz veining.							
						MD	GN	FR	PHC	3I	Py	1
						MD	WH		POT	4I		
						MD	OR		ARG	3I		
						MD	PK		PHC	4I		
						LT	GN	PA	PHC	2I	Py	2
						LT	WH		POT	3I		
						DK	PK		PRO	2I		
									ARG	4I		
50.47	69.29	18.82	GRD	MG	Moderate to strongly argillic altered granodiorite with recurring patches of potassic and propylitic overprinting. Within interval argillic/phyllic halos occur carrying breccia and smokey quartz veining with minor mineralization.							
						MD	WH		ARG	3I	Py	1
						MD	GN		PRO	2I		
						LT	WH	PA	ARG	2I	Py	1
						LT	RD		ARG	4I	Sp	1
						LT	GN		PHC	2I		
									POT	2I		
									POT	3I		
									PRO	3I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
69.29	82.18	12.89	QFP	FG	Light green quartz feldspar porphyry dyke carrying white to light green clasts. Highly fractured in patches.							
						LT	GN	PO				
82.18	85.17	2.99	GRD	MG	Fractured moderate argillic/propylitic to propylitic altered granodiorite. Contains a gouged quartz vein at start of interval found along lower selvedge of quartz feldspar porphyry dyke.							
						MD	WH	FR	ARG	3I		
						MD	GN		PRO	2I		
						LT	GN	PA	ARG	2I	Py	2
									PRO	3I		
85.17	89.40	4.23	QFP	FG	Light green to medium red quartz feldspar porphyry dyke. Highly fractured and moderately gouged in patches throughout.							
						MD	GN					
						MD	RD					
						LT	GN	PO				
						LT	RD					
89.70	90.12	0.42	VEN	--	Significant polymetallic breccia/smokey quartz vein hosting arsenopyrite, galena, pyrite, jamesonite, chalcopyrite(?)							
								BX			Py	25
											Gn	2
											As	10
											Jm	3
											Cp	3
90.12	92.63	2.51	GRD	--	Weak argillic to strong propylitic altered granodiorite with patchy phyllic alteration found between two quartz feldspar porphyry dykes.							
						MD	WH		ARG	2I		
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
						DK	GN		PRO	4I		
									ARG	3I		
92.63	97.58	4.95	QFP	FG	Light green quartz feldspar porphyry dyke.							
						LT	GN	PO				
97.58	101.00	3.42	GRD	MG	Moderately argillic altered granodiorite with patchy phyllic/propylitic/potassic overprinting throughout							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH	PA	ARG	2I	Py	0.1
						LT	GN		ARG	3I		
						LT	PK		PRO	2I		
									PHC	2I		
									POT	2I		
101.00	108.55	7.55	GRD	MG	Unaltered granodiorite with patchy trace to weak propylitic/potassic alteration. Small (<20cm) interval of argillic altered granodiorite with propylitic/potassic overprinting.							
						MD	WH	PA	POT	1I		
						LT	GN		POT	2I		
						LT	PK		PRO	1I		
									ARG	2I		
									PRO	2I		
108.55	140.77	32.22	GRD	MG	Unaltered granodiorite alternating with weakly propylitic/potassic altered granodiorite. Granodiorite has multiple phyllic and argillic/propylitic halos throughout ranging from 4cm to ~1m long (no significant mineralization present however).							
						MD	GN		POT	2I	Py	0.1
						MD	WH		PRO	2I		
						LT	GN	PA	POT	1I	Py	0.1
						LT	PK		PHC	2I		
									PHC	3I		
									ARG	2I		
140.77	144.35	3.58	SIL	FG	Siliceous black dyke							
						DK	BL	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.00	2.00	OVB	--	Organics and overburden							
						MD	BR					
						LT	BR					
2.00	6.96	4.96	OVB	--	Soil and overburden, as well as unaltered granodiorite.							
						MD	BR					
6.96	22.54	15.58	GRD	MG	Etremely fractured and rubbly argillic altered granodiorite displaying moderate to high oxidation through the first half of the interval, and then decreases with depth. Patches of unaltered granodiorite.							
									OXI	4I		
						MD	WH		OXI	3I		
						MD	OR		OXI	2I		
						LT	OR		ARG	4I		
						LT	BR	FR	ARG	2I		
						MD	BR	RB	ARG	3I		
22.54	33.12	10.58	GRD	MG	Unaltered to trace propylitic/potassic altered granodiorite. Displays patchy moderate to strong oxidation along fractures and joint planes.							
									OXI	3I		
						LT	GN	FR	POT	1I		
						LT	PK		PRO	1I		
33.12	36.51	3.39	GRD	MG	Argillic granodioriet with patchy weak phyllic and potassic overprinting. Contains patches of oxidation throughout. Small rubbly zones present within argillic granodiorite.							
						LT	WH	RB	OXI	2I		
						MD	WH	FR	OXI	3I		
						MD	OR		ARG	3I		
						LT	OR		ARG	4I		
									PHC	2I		
									POT	2I		
						LT	PK		ARG	2I		
36.51	37.21	0.70	SIL	FG	Siliceous medium to dark green dyke found at a low angle (5*TCA)							
						MD	GN	PO				
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
37.21	38.19	0.98	GRD	MG	Argillic/phyllic altered granodiorite. Between two dykes.							
									PHC	2I		
						MD	WH		ARG	3I		
						LT	GN		ARG	2I		
38.19	39.53	1.34	SIL	FG	Siliceous medium to dark green dyke found at a low angle (5*TCA). Crosscuts argillic/phyllic altered granodiorite.							
						DK	GN					
						MD	GN	PO				
39.53	50.47	10.94	GRD	MG	Moderate to strongly phyllic altered granodiorite with oxidized fracture and joint planes. Phyllic alteration alternates with patches of moderate to strong potassic, argillic, and argillic/potassic alteration. Beginning of interval is located along lower footwall of siliceous dyke, and displays black quartz brecciation and quartz veining.							
						MD	PK		PHC	4I		
									ARG	4I		
						MD	OR		ARG	3I		
						MD	WH		POT	4I		
						DK	PK		PRO	2I		
						MD	GN	FR	PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	2
						LT	WH		POT	3I		
50.47	69.29	18.82	GRD	MG	Moderate to strongly argillic altered granodiorite with recurring patches of potassic and propylitic overprinting. Within interval argillic/phyllic halos occur carrying breccia and smokey quartz veining with minor mineralization.							
									POT	2I		
						LT	WH	PA	ARG	2I	Py	1
						MD	WH		ARG	3I	Py	1
						LT	RD		ARG	4I	Sp	1
						MD	GN		PRO	2I		
									POT	3I		
									PRO	3I		
									PHC	3I		
						LT	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
69.29	82.18	12.89	QFP	FG	Light green quartz feldspar porphyry dyke carrying white to light green clasts. Highly fractured in patches. Hosts a gouge altered siliceous quartz vein (18cm) at 81.50m that carries blebby and disseminated pyrite							
						LT	GN	PO			Py	1
											Py	1
82.18	85.17	2.99	GRD	MG	Fractured moderate argillic/propylitic to propylitic altered granodiorite. Contains a gouged quartz vein at start of interval found along lower selvedge of quartz feldspar porphyry dyke.							
									PRO	3I		
						LT	GN	PA	ARG	2I	Py	2
						MD	WH	FR	ARG	3I		
						MD	GN		PRO	2I		
85.17	89.40	4.23	QFP	FG	Light green to medium red quartz feldspar porphyry dyke that is weakly siliceous. Highly fractured and moderately gouged in patches throughout.							
						MD	RD					
						LT	RD					
						LT	GN	PO				
						MD	GN					
89.40	92.63	3.23	GRD	MG	Weak argillic to strong propylitic altered granodiorite with patchy phyllic alteration found between two quartz feldspar porphyry dykes. Upper dyke contact has 30cm of strongly gouged granodiorite leading into a significantly mineralized breccia/quartz vein.							
						LT	GN	PA	PRO	2I	Py	5
						MD	GN		PRO	3I	As	1
						DK	GN		PRO	4I	Jm	1
						MD	WH		ARG	2I	Gn	1
											Cp	1
92.63	97.58	4.95	QFP	FG	Light green quartz feldspar porphyry dyke.							
						LT	GN	PO				
97.58	101.00	3.42	GRD	MG	Moderately argillic altered granodiorite with patchy phyllic/propylitic/potassic overprinting throughout							
						LT	GN		ARG	3I		
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	2I		
									POT	2I		
						MD	WH	PA	ARG	2I	Py	0.1
101.00	108.55	7.55	GRD	MG	Unaltered granodiorite with patchy trace to weak propylitic/potassic alteration. Small (<20cm) interval of argillic altered granodiorite with propylitic/potassic overprinting.							
									PRO	2I		
									ARG	2I		
						LT	PK		PRO	1I		
						LT	GN		POT	2I		
						MD	WH	PA	POT	1I		
108.55	140.77	32.22	GRD	MG	Unaltered granodiorite alternating with weakly propylitic/potassic altered granodiorite. Granodiorite has multiple phyllic and argillic/propylitic halos throughout ranging from 4cm to ~1m long (no significant mineralization present however).							
						MD	GN		POT	2I	Py	0.1
						MD	WH		PRO	2I		
						LT	PK		PHC	2I		
									PHC	3I		
									ARG	2I		
						LT	GN	PA	POT	1I	Py	0.1
140.77	144.35	3.58	SIL	FG	Siliceous black dyke							
						DK	BL	PO				

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.00	2.00	0.55	28	0.00	0	--	1H	6W	moss and soil
2.00	5.00	3.00	2.35	78	0.44	15	--	1H	6W	boulders within soil
5.00	8.00	3.00	2.53	84	0.28	9	--	1H	5W	sand and decomposed rock
8.00	11.00	3.00	2.26	75	0.00	0	--	1H	5W	decomposed rock/sand
11.00	14.00	3.00	2.64	88	0.00	0	--	1H	5W	decomposed rock/sand, some clay
14.00	17.00	3.00	2.71	90	0.49	16	--	1H	5W	sand and clay
17.00	20.00	3.00	2.83	94	0.00	0	--	1H	4W	
20.00	23.00	3.00	2.28	76	0.28	9	--	1H	3W	sand/decomposed rock
23.00	26.00	3.00	3	100	1.46	49	--	4H	2W	
26.00	29.00	3.00	2.82	94	1.18	39	--	4H	2W	
29.00	32.00	3.00	3	100	2.48	83	--	5H	2W	
32.00	35.00	3.00	2.66	89	0.39	13	--	2H	2W	sand and gouge intervals
35.00	38.00	3.00	2.97	99	1.69	56	--	3H	2W	
38.00	41.00	3.00	2.86	95	1.56	52	--	3H	2W	
41.00	44.00	3.00	2.89	96	1.92	64	--	4H	2W	
44.00	47.00	3.00	2.72	91	1.57	52	--	3H	2W	
47.00	50.00	3.00	2.87	96	1.51	50	--	2H	2W	includes 5 cm gouge interval along a primary joint surface
50.00	53.00	3.00	2.96	99	1.81	60	--	2H	2W	
53.00	56.00	3.00	2.88	96	1.23	41	--	2H	2W	
56.00	59.00	3.00	3	100	1.91	64	--	3H	1W	
59.00	62.00	3.00	2.98	99	2.18	73	--	3H	1W	
62.00	65.00	3.00	2.9	97	2.15	72	--	3H	1W	
65.00	68.00	3.00	3	100	1.27	42	--	3H	1W	
68.00	71.00	3.00	3	100	0.83	28	--	3H	1W	
71.00	74.00	3.00	2.99	100	1.30	43	--	4H	1W	
74.00	77.00	3.00	2.99	100	1.02	34	--	3H	1W	
77.00	80.00	3.00	2.98	99	1.26	42	--	3H	1W	
80.00	83.00	3.00	2.99	100	1.49	50	--	3H	1W	
83.00	86.00	3.00	2.95	98	1.67	56	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.89	96	0.51	17	--	2H	1W	
89.00	92.00	3.00	3	100	2.18	73	--	2H	1W	
92.00	95.00	3.00	3	100	1.89	63	--	3H	1W	
95.00	98.00	3.00	3	100	1.40	47	--	4H	1W	
98.00	101.00	3.00	2.98	99	1.75	58	--	4H	1W	
101.00	104.00	3.00	3	100	1.40	47	--	5H	1W	
104.00	107.00	3.00	2.96	99	2.54	85	--	3H	1W	
107.00	110.00	3.00	2.85	95	1.92	64	--	3H	1W	
110.00	113.00	3.00	2.89	96	1.42	47	--	3H	1W	
113.00	116.00	3.00	3	100	2.62	87	--	3H	1W	
116.00	119.00	3.00	2.99	100	2.34	78	--	3H	1W	
119.00	122.00	3.00	2.98	99	1.85	62	--	3H	1W	
122.00	125.00	3.00	2.95	98	2.33	78	--	5H	1W	
125.00	128.00	3.00	3	100	2.32	77	--	5H	1W	
128.00	131.00	3.00	3	100	2.63	88	--	5H	1W	
131.00	134.00	3.00	2.99	100	2.38	79	--	5H	1W	
134.00	137.00	3.00	3	100	0.22	7	--	5H	1W	
137.00	140.00	3.00	3	100	2.35	78	--	5H	1W	
140.00	143.00	3.00	2.94	98	1.53	51	--	5H	1W	
143.00	146.00	3.00	3	100	1.83	61	--	5H	1W	
146.00	149.00	3.00	3	100	1.85	62	--	5H	1W	
149.00	152.00	3.00	3	100	2.81	94	--	5H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
23	27.3	GRD	
24	40.1	GRD	
25	20.8	GRD	
26	21.3	GRD	
27	13.1	GRD	
28	39	GRD	
29	25.3	GRD	
30	28.4	GRD	
30	29.3	GRD	
31	33.01	GRD	
32	42	GRD	
33	4.19	GRD	
34	0.55	GRD	
35	1.53	GRD	
36	0.335	GRD	
37	0.369	SIL	
38	4.3	GRD	
39	0.669	SIL	
40	0.424	GRD	
41	1.11	GRD	
42	41.5	GRD	
43	19	GRD	
44	40	GRD	
45	0.792	GRD	
46	34.5	GRD	
47	24.3	GRD	
48	35.6	GRD	
49	2.55	GRD	
50	0.788	GRD	
51	1.02	GRD	
52	0.393	GRD	
53	0.345	GRD	
54	0.601	GRD	
55	17.2	GRD	
56	9.5	GRD	
57	0.382	GRD	
58	0.345	GRD	
59	2.66	GRD	
60	0.784	GRD	
61	0.388	GRD	
62	0.333	GRD	
63	1.31	GRD	
64	0.807	GRD	
65	0.917	GRD	
66	12	GRD	
67	0.541	GRD	
68	2.64	GRD	
69	1.77	GRD	
70	0.275	QFP	
71	1.06	QFP	
72	0.254	QFP	
73	0.819	QFP	
74	0.225	QFP	
75	0.264	QFP	
76	0.429	QFP	
77	0.486	QFP	
78	0.052	QFP	
79	0.137	QFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
80	0.933	QFP	
81	0.324	QFP	
82	0.924	QFP	
83	0.427	GRD	
84	0.535	GRD	
85	0.656	GRD	
86	0.445	QFP	
87	0.472	QFP	
88	0.198	QFP	
89	0.237	QFP	
90	0.042	GRD	
91	0.694	GRD	
92	3.06	GRD	
93	0.373	QFP	
94	0.256	QFP	
95	0.267	QFP	
96	0.289	QFP	
97	0.343	QFP	
98	0.442	GRD	
99	2.95	GRD	
100	0.698	GRD	
101	1.04	GRD	
101	1.04	GRD	
102	25.5	GRD	
103	40.4	GRD	
104	43.5	GRD	
105	44	GRD	
106	40	GRD	
107	20.2	GRD	
108	34.2	GRD	
109	1.71	GRD	
110	0.642	GRD	
111	19.9	GRD	
112	14.7	GRD	
113	0.611	GRD	
114	0.25	GRD	
115	0.346	GRD	
116	0.274	GRD	
117	0.329	GRD	
118	0.34	GRD	
119	0.425	GRD	
120	0.542	GRD	
121	0.266	GRD	
122	0.131	GRD	
123	0.378	GRD	
124	14.2	GRD	
125	22.4	GRD	
126	23	GRD	
127	0.667	GRD	
128	10.1	GRD	
129	0.764	GRD	
130	29.3	GRD	
131	35.7	GRD	
132	28.6	GRD	
133	15.2	GRD	
134	22.4	GRD	
135	0.514	GRD	
136	5.35	GRD	
137	18.4	GRD	
138	34.5	GRD	
139	52.3	GRD	
140	51.1	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
141	50.4	SIL	
142	83	SIL	
143	68.2	SIL	
144	71.8	SIL	
145	49.3	GRD	
146	41.7	GRD	
147	28.7	GRD	
148	53.8	GRD	
149	50.8	GRD	
150	58.6	GRD	
151	27.5	GRD	
152	52.8	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R616158	☐	16-074			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616161	☐	16-074		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047919	☐	16-072		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047923	☐	16-072			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047935	☐	16-072		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047939	☐	16-072			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S047942	☐	16-072		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616152	☐	16-074			☑	☐	☐
38.42	39.03	0.61	SIL	0.61	100	S047907	☐	16-070			☐	☐	☐
39.03	39.53	0.50	SIL	0.50	100	S047908	☐	16-070			☐	☐	☐
39.53	40.20	0.67	SIL, GRD	0.67	100	S047909	☐	16-070			☐	☐	☐
40.20	40.81	0.61	GRD	0.61	100	S047910	☐	16-072			☐	☐	☐
40.81	41.41	0.60	GRD	0.60	100	S047911	☐	16-072			☐	☐	☐
41.41	42.47	1.06	GRD	1.06	100	S047912	☐	16-072			☐	☐	☐
42.47	42.97	0.50	GRD	0.50	100	S047913	☐	16-072			☐	☐	☐
42.97	44.00	1.03	GRD	0.87	84	S047914	☐	16-072			☐	☐	☐
52.14	52.74	0.60	GRD	0.60	100	S047915	☐	16-072			☐	☐	☐
52.14	52.74	0.60	GRD	0.60	100	S047916	☐	16-072			☐	☑	☐
52.74	53.27	0.53	GRD	0.53	100	S047917	☐	16-072			☐	☐	☐
53.27	53.91	0.64	GRD	0.64	100	S047918	☐	16-072			☐	☐	☐
53.91	56.00	2.09	GRD	2.09	100	S047920	☐	16-072			☐	☐	☐
56.00	57.79	1.79	GRD	1.44	80	S047921	☐	16-072			☐	☐	☐
57.79	58.29	0.50	GRD	0.50	100	S047922	☐	16-072			☐	☐	☐
58.29	59.00	0.71	GRD	0.61	86	S047924	☐	16-072			☐	☐	☐
59.00	61.50	2.50	GRD	2.50	100	S047925	☐	16-072			☐	☐	☐
61.50	62.20	0.70	GRD	0.70	100	S047926	☐	16-072			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
62.20	63.33	1.13	GRD	1.12	99	S047927	☐	16-072			☐	☐	☐
63.33	64.92	1.59	GRD	1.59	100	S047928	☐	16-072			☐	☐	☐
64.92	66.43	1.51	GRD	1.51	100	S047929	☐	16-072			☐	☐	☐
66.43	66.96	0.53	GRD	0.53	100	S047930	☐	16-072			☐	☐	☐
66.96	67.51	0.55	GRD	0.55	100	S047931	☐	16-072			☐	☐	☐
66.96	67.51	0.55	GRD	0.55	100	S047932	☐	16-072			☐	☐	☑
67.51	68.41	0.90	GRD	0.90	100	S047933	☐	16-072			☐	☐	☐
80.79	81.53	0.74	QFP	0.74	100	S047934	☐	16-072			☐	☐	☐
81.53	82.13	0.60	QFP	0.60	100	S047936	☐	16-072			☐	☐	☐
82.13	82.67	0.54	QFP	0.52	96	S047937	☐	16-072			☐	☐	☐
82.67	83.73	1.06	GRD	1.06	100	S047938	☐	16-072			☐	☐	☐
88.52	89.08	0.56	QFP	0.56	100	S047940	☐	16-072			☐	☐	☐
89.08	89.65	0.57	QFP	0.57	100	S047941	☐	16-072			☐	☐	☐
89.65	90.17	0.52	GRD	0.52	100	S047943	☐	16-072			☐	☐	☐
90.17	91.10	0.93	GRD	0.83	89	S047944	☐	16-072			☐	☐	☐
91.10	92.00	0.90	GRD	0.90	100	S047945	☐	16-072			☐	☐	☐
92.00	92.64	0.64	GRD	0.61	95	S047946	☐	16-074			☐	☐	☐
92.00	92.64	0.64	GRD	0.61	95	S047947	☐	16-074			☐	☑	☐
98.86	99.36	0.50	GRD	0.50	100	S047948	☐	16-074			☐	☐	☐
108.00	108.61	0.61	GRD	0.60	98	S047949	☐	16-074			☐	☐	☐
108.61	109.48	0.87	GRD	0.87	100	S047950	☐	16-074			☐	☐	☐
109.48	110.00	0.52	GRD	0.52	100	R616151	☐	16-074			☐	☐	☐
110.00	111.00	1.00	GRD	1.00	100	R616153	☐	16-074			☐	☐	☐
111.00	111.61	0.61	GRD	0.61	100	R616154	☐	16-074			☐	☐	☐
111.61	112.22	0.61	GRD	0.61	100	R616155	☐	16-074			☐	☐	☐
120.17	121.13	0.96	GRD	0.96	100	R616160	☐	16-074			☐	☐	☐
121.13	121.94	0.81	GRD	0.81	100	R616162	☐	16-074			☐	☐	☐
121.94	122.59	0.65	GRD	0.64	98	R616163	☐	16-074			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
122.59	123.09	0.50	GRD	0.50	100	R616164	☐	16-074			☐	☐	☐
123.09	124.16	1.07	GRD	0.97	91	R616165	☐	16-074			☐	☐	☐
134.31	134.84	0.53	GRD	0.53	100	R616156	☐	16-074			☐	☐	☐
134.84	135.44	0.60	GRD	0.60	100	R616157	☐	16-074			☐	☐	☐
135.44	136.39	0.95	GRD	0.95	100	R616159	☐	16-074			☐	☐	☐

KL-16-321
Central Klaza

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	38.42			☐	☐	☐	☐	
16-074	R616152	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-074	R616158	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-074	R616161	0.00	0.00	4.32	1320	☐	☐	☐	☑ KL-STD1	
16-072	S047919	0.00	0.00	4.39	270	☐	☐	☐	☑ KL-STD1	
16-072	S047923	0.00	0.00	0.00	250	☐	☐	☑	☐	
16-072	S047935	0.00	0.00	4.58	250	☐	☐	☐	☑ KL-STD1	
16-072	S047939	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-072	S047942	0.00	0.00	1.73	140	☐	☐	☐	☑ KL-STD6	
16-070	S047907	38.42	39.03	0.01	1390	☐	☐	☐	☐	
16-070	S047908	39.03	39.53	0.02	2250	☐	☐	☐	☐	
16-070	S047909	39.53	40.20	0.23	1040	☐	☐	☐	☐	
16-072	S047910	40.20	40.81	0.70	980	☐	☐	☐	☐	
16-072	S047911	40.81	41.41	0.10	1740	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-072	S047912	41.41	42.47	0.01	2350	☐	☐	☐	☐	
16-072	S047913	42.47	42.97	0.02	1240	☐	☐	☐	☐	
16-072	S047914	42.97	44.00	0.00	2460	☐	☐	☐	☐	
		44.00	52.14			☐	☐	☐	☐	
16-072	S047915	52.14	52.74	0.00	800	☐	☐	☐	☐	
16-072	S047916	52.14	52.74	0.00	1460	☑	☐	☐	☐	
16-072	S047917	52.74	53.27	0.17	550	☐	☐	☐	☐	
16-072	S047918	53.27	53.91	0.16	1960	☐	☐	☐	☐	
16-072	S047920	53.91	56.00	0.00	1550	☐	☐	☐	☐	
16-072	S047921	56.00	57.79	0.00	2020	☐	☐	☐	☐	
16-072	S047922	57.79	58.29	0.16	520	☐	☐	☐	☐	
16-072	S047924	58.29	59.00	0.00	1880	☐	☐	☐	☐	
16-072	S047925	59.00	61.50	0.00	2320	☐	☐	☐	☐	
16-072	S047926	61.50	62.20	0.20	2270	☐	☐	☐	☐	
16-072	S047927	62.20	63.33	0.00	2130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-072	S047928	63.33	64.92	0.00	2090	☐	☐	☐	☐	
16-072	S047929	64.92	66.43	0.01	1900	☐	☐	☐	☐	
16-072	S047930	66.43	66.96	0.32	540	☐	☐	☐	☐	
16-072	S047931	66.96	67.51	0.01	2890	☐	☐	☐	☐	
16-072	S047932	66.96	67.51	0.01	2980	☐	☑	☐	☐	
16-072	S047933	67.51	68.41	0.00	2330	☐	☐	☐	☐	
		68.41	80.79			☐	☐	☐	☐	
16-072	S047934	80.79	81.53	0.01	2420	☐	☐	☐	☐	
16-072	S047936	81.53	82.13	0.78	1880	☐	☐	☐	☐	
16-072	S047937	82.13	82.67	0.01	1410	☐	☐	☐	☐	
16-072	S047938	82.67	83.73	0.01	2240	☐	☐	☐	☐	
		83.73	88.52			☐	☐	☐	☐	
16-072	S047940	88.52	89.08	0.00	990	☐	☐	☐	☐	
16-072	S047941	89.08	89.65	0.44	700	☐	☐	☐	☐	
16-072	S047943	89.65	90.17	9.85	450	☐	☐	☐	☐	
16-072	S047944	90.17	91.10	0.11	510	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-072	S047945	91.10	92.00	0.02	2680	☐	☐	☐	☐	
16-074	S047946	92.00	92.64	0.01	2260	☐	☐	☐	☐	
16-074	S047947	92.00	92.64	0.01	2150	☑	☐	☐	☐	
		92.64	98.86			☐	☐	☐	☐	
16-074	S047948	98.86	99.36	0.02	2310	☐	☐	☐	☐	
		99.36	######			☐	☐	☐	☐	
16-074	S047949	108.00	108.61	0.00	2250	☐	☐	☐	☐	
16-074	S047950	108.61	109.48	0.10	1120	☐	☐	☐	☐	
16-074	R616151	109.48	110.00	0.14	620	☐	☐	☐	☐	
16-074	R616153	110.00	111.00	0.00	2240	☐	☐	☐	☐	
16-074	R616154	111.00	111.61	0.27	510	☐	☐	☐	☐	
16-074	R616155	111.61	112.22	0.00	1860	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-074	R616160	120.17	121.13	0.01	1380	☐	☐	☐	☐	
16-074	R616162	121.13	121.94	0.14	760	☐	☐	☐	☐	
16-074	R616163	121.94	122.59	0.14	1530	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-074	R616164	122.59	123.09	0.50	280	☐	☐	☐	☐	
16-074	R616165	123.09	124.16	0.01	2420	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-074	R616156	134.31	134.84	0.08	680	☐	☐	☐	☐	
16-074	R616157	134.84	135.44	0.60	340	☐	☐	☐	☐	
16-074	R616159	135.44	136.39	0.00	1970	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
40.26	40.33	VN	37	80	NUL	1	7cm quartz/smokey quartz vein found within argillic/phyllic granodiorite. Vein hosts blebby pyrite, and minor disseminated sphalerite.			
								Py	2	DI
								Sp	1	DI
								Py	1	BL
40.63	40.76	BX	34	30	NUL	1	13cm black breccia hosting clasts of host granodiorite, quartz, and disseminated to blebby pyrite.			
								Py	0.5	BL
								Py	2	DI
53.00	53.16	VN	37	-	NUL	1	Smokey quartz/carbonate vein hosting disseminated to blebby pyrite, and disseminated sphalerite.			
								Py	1	BL
								Sp	2	DI
								Py	2	DI
57.87	58.15	BX	34	55	NUL	1	27cm black breccia vein with Smokey quartz carbonate veinlets found along the upper selvedge of the breccia. Brecciates surrounding argillic/weak phyllic/weak potassic granodiorite, and carries sand to large cobble sized clasts of carbonate, quartz, host granodiorite, and disseminated to blebby pyrite.			
								Py	3	DI
								Py	1	BL
61.60	61.86	BX	34	-	NUL	1	26cm black breccia carrying clasts of host granodiorite, disseminated pyrite, carbonate, and quartz.			
								Py	1	DI
62.00	62.12	BX	34	75	NUL	1	Black breccia with quartz/carbonate along the outer selvedges of the breccia. Hosts clasts of host granodiorite, carbonate, quartz, and disseminated pyrite.			
								Py	1	DI
66.68	66.75	VN	37	60	NUL	1	Phyllic granodiorite carrying a 3cm quartz vein that hosts blebby pyrite, disseminated galena, and disseminated blebs of sphalerite. Along the upper selvedge of the vein,			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
81.55	81.76	VN	37	80	NUL	2	Two 3.5cm quartz veins found within argillic/propylitic granodiorite that has been enveloped by light green quartz feldspar porphyry dyke. Veins are seperated by 13cm of weakly gouged granodiorite. The first vein hosts blebby pyrite and disseminated tourmaline, while the second vein (which is much more gouged) hosts dissemintaed pyrite.			
								Py	2	DI
								Py	8	BL
								Sp	2	DI
82.18	82.36	VN	37	-	NUL	1	gouged quartz flooded granodiorite hosting disseminated pyrite throughout. Found along lower contact of quartz feldspar porphyry dyke			
								Py	2	DI
89.70	90.12	VN	37	80	NUL	1	Significant polymetallic breccia/smokey quartz vein crosscutting argillic/phyllic altered granodiorite. Found in close proximity to footwall of red quartz feldspar porphyry dyke, after a gouge altered contact. Vein zone starts as a smokey quartz brecciating quartz, granodiorite, blebby pyrite, and then transitions into a quartz vein hosting semi-massive pyrite, blebby arsenopyrite, galena, pyrite, dissemianted sphalerite, jamesonite, and sporadic blebs of chalcopyrite.			
								Jm	1	DI
								Py	45	MA
								As	11	BL
								Sp	1	DI
								Cp	3	BL
								Gn	2	BL
99.10	99.15	BX	34	75	NUL	1	Black breccia crosscutting argillic/propylitic granodiorite.			
109.63	110.00	BV		70	NUL	1	Black breccia carrying clasts of host phyllic granodiorite, carbonate, quartz, and disseminated pyrite. Within breccia zone, a 6.5cm quartz carbonate vein (tan ankerite) is found hosting blebby pyrite, sphalerite, and disseminated galena.			
								Gn	1	DI
								Sp	1	BL
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
111.12	111.50	VN	37	80	NUL	1	2.5cm quartz vein hosting blebby pyrite, and sphalerite			
								Py	24	BL
								Sp	15	BL
121.25	121.62	BX	34	-	NUL	1	Phyllic/potassic granodiorite carrying gouged smokey quartz veinlets throughout. Minor pyrite throughout.			
								Py	1	DI
123.02	123.09	VN	37	85	NUL	1	Quartz/carboante vein hosting blebby pyrite, chalcopyrite, and disseminated galena.			
								Gn	3	DI
								Py	20	BL
								Cp	5	BL
134.50	135.53	VN	37	85	NUL	1	3cm quartz carbonate vein within a propylitic/phyllic altered halo. Vein hosts semi-massive to blebby pyrite, blebby sphalerite, disseminated grains of tourmaline, and trace molybdenite. Rhodocrosite present in blebs.			
								Sp	8	BL
								Ja	0.1	DI
								Py	70	MA
								To	2	DI
135.09	135.37	FO	49	80	NUL	1	28cm flooded quartz breccia vein. Vein hosts blebby and disseminated pyrite, sphalerite, and galena. Vein zone displays foliated-like textures of elongated granodiorite, quartz, and carbonate grains throughout, oriented roughly between 30-40*TCA. Interval contains clasts of quartz, phyllic/propylitic granodiorite, carbonate, and sulfides.			
								Sp	2	DI
								Gn	2	DI
								Py	3	DI
								Gn	1	BL
								Sp	10	BL
								Py	20	BL
138.39	138.42	VN	37	75	NUL	1	2.5cm quartz vein crosscutting argillic/phyllic granodiorite. Vein hosts blebby pyrite.			
								Py	22	BL
146.97	147.09	DY	37	55	NUL	2	Two red aplite dykes (6cm, 4cm) crosscutting unaltered granodiorite.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382469	6886936	1243.75	96.62

ZONE: Exploration

SECTION:

HOLE: KL-16-322

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: -

Geology Logged By: J. Tarswell

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	113.8	-50	Reflex
93.57	91.5	-49.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.4	1.4	CAS
1.4	2.13	0.73	OVB
2.13	9.15	7.02	GRD
9.15	36.9	27.75	SIL
36.9	48.3	11.4	VOL
48.3	96.62	48.32	VOL

SAMPLES	
Numbers:	R614425 to R614450
Total:	26
Batch:	071, 073
Certificates:	VA16126414, VA16126417

COMMENTS

Box Log

KL-16-322

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.4	4.36
2	4.36	6.51
3	6.51	9.15
4	9.15	12.15
5	12.15	14.71
6	14.71	17.54
7	17.54	20.58
8	20.58	23.32
9	23.32	26.19
10	26.19	29.18
11	29.18	32.28
12	32.28	35.45
13	35.45	39.2
14	39.2	41.76
15	41.76	44.37
16	44.37	48.3
17	48.3	50.94
18	50.94	54.1
19	54.1	56.79
20	56.79	60
21	60	63
22	63	66.04
23	66.04	69
24	69	72.1
25	72.1	75.12
26	75.12	78.33
27	78.33	81.46
28	81.46	84.62
29	84.62	87.65
30	87.65	90.77
31	90.77	94.07
32	94.07	96.62

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-322									
	17.38	17	HQ	SIL	1311.8	786.9	2.48	2.5	Oxidized siliceous dyke
	81.38	8.5	HQ	VOL	744	746.8	2.81	-265.7	Black unaltered volcanic hosting epidote veinlets

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	9.15	7.02	GRD	FG	Rubbly, oxidized propylitic altered granodiorite.							
						LT	GY					
						DK	OR		PRO	2I		
9.15	36.90	27.75	SIL	FG	Very oxidized siliceous dyke. Fine grained, few phenocrysts. Dyke hosts crosscutting vein breccias and trace carbonates.							
						LT	GY	RB	OXI	5I		
						DK	OR		PHC	1I		
36.90	48.30	11.40	VOL	FG	Chilled margin/volcanic unit. Strongly argillic. Phyllic altered. Very rubbly.							
						LT	GN	RB	PHC	4I		
						LT	GY					
						DK	GY		ARG	1I		
48.30	96.62	48.32	VOL	FG	Black, unaltered mount Nansen volcanics.							
						DK	GY					
						DK	BK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	9.15	7.02	GRD	FG	Rubbly, oxidized propylitic altered granodiorite.							
						LT	GY		OXI	5I		
						DK	OR	RB	PRO	2I		
9.15	36.90	27.75	SIL	FG	Very oxidized siliceous dyke. Fine grained, few phenocrysts. Dyke hosts crosscutting vein breccias and trace carbonates.							
						DK	OR		PHC	1I		
						LT	GY	RB	OXI	5I		
36.90	48.30	11.40	VOL	FG	Chilled margin/volcanic unit. Strongly argillic. Phyllic altered. Very rubbly.							
						LT	GY					
						DK	GY		ARG	1I		
						LT	GN	RB	PHC	4I		
48.30	96.62	48.32	VOL	FG	Black, unaltered mount Nansen volcanics.							
						DK	GY					
						DK	BK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.40	1.40	0	0	0.00	0	--	--	--	Cased
1.40	2.13	0.73	0.68	93	0.00	0	--	1H	5W	Soil
2.13	5.18	3.05	1.68	55	0.10	3	--	3H	5W	
5.18	8.23	3.05	2.85	93	0.52	17	--	3H	4W	
8.23	11.28	3.05	2.56	84	0.78	26	--	3H	4W	
11.28	14.33	3.05	2.8	92	0.40	13	--	3H	4W	
14.33	17.37	3.04	2.89	95	1.85	61	--	3H	4W	
17.37	20.42	3.05	2.85	93	1.11	36	--	3H	3W	
20.42	23.47	3.05	3.04	100	1.61	53	--	4H	3W	
23.47	26.52	3.05	3.04	100	1.96	64	--	3H	3W	
26.52	29.57	3.05	3.05	100	1.76	58	--	4H	4W	
29.57	32.61	3.04	3.04	100	1.50	49	--	3H	3W	
32.61	35.66	3.05	3.02	99	1.95	64	--	3H	4W	
35.66	38.71	3.05	2.21	72	0.95	31	--	2H	3W	
38.71	41.76	3.05	3.03	99	0.36	12	--	2H	1W	
41.76	44.81	3.05	1.95	64	0.00	0	--	2H	1W	
44.81	47.85	3.04	1.52	50	0.72	24	--	2H	1W	
47.85	50.90	3.05	2.81	92	1.48	49	--	3H	1W	
50.90	53.95	3.05	2.9	95	1.59	52	--	4H	1W	
53.95	57.00	3.05	3.05	100	1.69	55	--	4H	1W	
57.00	60.05	3.05	3.05	100	2.14	70	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.14	70	--	5H	1W	
63.09	66.14	3.05	3.05	100	1.95	64	--	5H	1W	
66.14	69.19	3.05	3.05	100	2.18	71	--	5H	1W	
69.19	72.24	3.05	3.05	100	2.11	69	--	5H	1W	
72.24	75.29	3.05	3.05	100	1.68	55	--	5H	1W	
75.29	78.33	3.04	3.04	100	2.35	77	--	5H	1W	
78.33	81.38	3.05	3.05	100	2.15	70	--	5H	1W	
81.38	84.43	3.05	3.04	100	2.67	88	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	2.09	69	--	5H	1W	
87.48	90.53	3.05	3.05	100	2.24	73	--	5H	1W	
90.53	93.57	3.04	3.04	100	2.43	80	--	5H	1W	
93.57	96.62	3.05	2.81	92	2.76	90	--	5H	1W	EOH

Magnetic Suscepatibility

KL-16-322

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
7	21.1	GRD	
8	2.12	GRD	
9	0.199	GRD	
10	0.26	SIL	
11	0.253	SIL	
12	0.278	SIL	
13	0.115	SIL	
14	0.249	SIL	
15	0.176	SIL	
16	0.149	SIL	
17	0.27	SIL	
18	0.329	SIL	
19	0.434	SIL	
20	24.2	SIL	
21	24.9	SIL	
22	0.541	SIL	
23	1.94	SIL	
24	0.898	SIL	
25	0.312	SIL	
26	0.381	SIL	
27	0.247	SIL	
28	0.272	SIL	
29	0.447	SIL	
30	0.25	SIL	
31	0.206	SIL	
32	0.307	SIL	
33	0.251	SIL	
34	0.248	SIL	
35	0.308	SIL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
36	0.393	SIL	
37	0.524	VOL	
38	0.32	VOL	
39	0.587	VOL	
40	6.36	VOL	
41	1.04	VOL	
42	1.26	VOL	
43	33.6	VOL	
44	28.3	VOL	
45	1.29	VOL	
46	11.7	VOL	
47	9.78	VOL	
48	38.8	VOL	
49	41.1	VOL	
50	27.9	VOL	
51	30.7	VOL	
52	38.3	VOL	
53	32.6	VOL	
54	15.5	VOL	
55	40.4	VOL	
56	35.1	VOL	
57	31.4	VOL	
58	21.1	VOL	
59	32.9	VOL	
60	30	VOL	
61	29.5	VOL	
62	34.9	VOL	
63	34.8	VOL	
64	38.6	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
65	31.8	VOL	
66	38.7	VOL	
67	39.9	VOL	
68	36.3	VOL	
69	23.3	VOL	
70	41.1	VOL	
71	39.6	VOL	
72	38.4	VOL	
73	36.5	VOL	
74	34.9	VOL	
75	39.9	VOL	
76	38.5	VOL	
77	40.5	VOL	
78	39.4	VOL	
79	21.2	VOL	
80	43.4	VOL	
81	43.9	VOL	
82	44.9	VOL	
83	42	VOL	
84	39.5	VOL	
85	14.2	VOL	
86	16.2	VOL	
87	23.5	VOL	
88	19.6	VOL	
89	13.6	VOL	
90	21.6	VOL	
91	19.7	VOL	
92	30.5	VOL	
93	30.9	VOL	
94	39.7	VOL	
95	32.3	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
96	40.5	VOL	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614443	☐	16-073		KL-STD1	☐	☐	☐
8.50	9.35	0.85	GRD	0.75	88	R614425	☐	16-071			☐	☐	☐
9.35	10.65	1.30	SIL	1.20	92	R614426	☐	16-071			☐	☐	☐
10.65	12.00	1.35	SIL	1.35	100	R614427	☐	16-071			☐	☐	☐
12.00	13.00	1.00	SIL	1.00	100	R614428	☐	16-071			☐	☐	☐
13.00	14.33	1.33	SIL	1.30	98	R614429	☐	16-071			☐	☐	☐
13.00	14.33	1.33	SIL	1.30	98	R614430	☐	16-071			☐	☐	☑
14.33	15.69	1.36	SIL	1.30	96	R614431	☐	16-071			☐	☐	☐
15.69	16.25	0.56	SIL	0.55	98	R614432	☐	16-071			☐	☐	☐
16.25	17.37	1.12	SIL	1.10	98	R614433	☐	16-071			☐	☐	☐
17.37	18.37	1.00	SIL	1.00	100	R614434	☐	16-071			☐	☐	☐
18.37	19.37	1.00	SIL	1.00	100	R614435	☐	16-071			☐	☐	☐
19.37	20.42	1.05	SIL	1.00	95	R614436	☐	16-071			☐	☐	☐
20.42	23.47	3.05	SIL	3.05	100	R614437	☐	16-071			☐	☐	☐
23.47	25.93	2.46	SIL	1.45	59	R614438	☐	16-071			☐	☐	☐
25.93	26.93	1.00	SIL	1.00	100	R614439	☐	16-073			☐	☐	☐
26.93	27.93	1.00	SIL	1.00	100	R614440	☐	16-073			☐	☐	☐
27.93	29.57	1.64	SIL	1.60	98	R614441	☐	16-073			☐	☐	☐
29.57	32.61	3.04	SIL	3.04	100	R614442	☐	16-073			☐	☐	☐
32.61	33.75	1.14	SIL	1.00	88	R614444	☐	16-073			☐	☐	☐
33.75	35.66	1.91	SIL	1.90	99	R614445	☐	16-073			☐	☐	☐
35.66	36.66	1.00	SIL	1.00	100	R614446	☐	16-073			☐	☐	☐
35.66	36.66	1.00	SIL	1.00	100	R614447	☐	16-073			☐	☑	☐
36.66	37.66	1.00	SIL	1.00	100	R614448	☐	16-073			☐	☐	☐
37.66	38.71	1.05	VOL	0.80	76	R614449	☐	16-073			☐	☐	☐
44.77	45.27	0.50	VOL	0.50	100	R614450	☐	16-073			☐	☐	☐

KL-16-322

Exploration

Sample Results

##########

Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.50			☐	☐	☐	☐	
16-073	R614443	0.00	0.00	4.45	460	☐	☐	☐	☑ KL-STD1	
16-071	R614425	8.50	9.35	0.04	1390	☐	☐	☐	☐	
16-071	R614426	9.35	10.65	0.06	1190	☐	☐	☐	☐	
16-071	R614427	10.65	12.00	0.17	290	☐	☐	☐	☐	
16-071	R614428	12.00	13.00	0.02	1680	☐	☐	☐	☐	
16-071	R614429	13.00	14.33	0.02	1580	☐	☐	☐	☐	
16-071	R614430	13.00	14.33	0.02	1560	☐	☑	☐	☐	
16-071	R614431	14.33	15.69	0.07	760	☐	☐	☐	☐	
16-071	R614432	15.69	16.25	0.03	730	☐	☐	☐	☐	
16-071	R614433	16.25	17.37	0.01	1580	☐	☐	☐	☐	
16-071	R614434	17.37	18.37	0.03	1600	☐	☐	☐	☐	
16-071	R614435	18.37	19.37	0.02	2120	☐	☐	☐	☐	
16-071	R614436	19.37	20.42	0.01	1500	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-071	R614437	20.42	23.47	0.02	1570	☐	☐	☐	☐	
16-071	R614438	23.47	25.93	0.02	1740	☐	☐	☐	☐	
16-073	R614439	25.93	26.93	0.07	900	☐	☐	☐	☐	
16-073	R614440	26.93	27.93	0.04	800	☐	☐	☐	☐	
16-073	R614441	27.93	29.57	0.02	1330	☐	☐	☐	☐	
16-073	R614442	29.57	32.61	0.05	620	☐	☐	☐	☐	
16-073	R614444	32.61	33.75	0.06	210	☐	☐	☐	☐	
16-073	R614445	33.75	35.66	0.02	910	☐	☐	☐	☐	
16-073	R614446	35.66	36.66	0.00	1280	☐	☐	☐	☐	
16-073	R614447	35.66	36.66	0.00	1240	☑	☐	☐	☐	
16-073	R614448	36.66	37.66	0.01	690	☐	☐	☐	☐	
16-073	R614449	37.66	38.71	0.00	1290	☐	☐	☐	☐	
		38.71	44.77			☐	☐	☐	☐	
16-073	R614450	44.77	45.27	0.04	720	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
10.85	11.20	VB	37	-	NUL	1	Vein breccia. Milky and smokey quartz. Swirling textures. Hosting very fine grained disseminated sulphides.			
								Un	3	DI
26.45	26.55	VB	37	70	NUL	1	Vein breccia. Milky and smokey quartz. Swirling textures. Hosting very fine grained disseminated sulphides.			
								Py	3	DI
32.61	35.20	BX	34	-	NUL	-	Intense calcite and carbonate veining brecciating the siliceous dyke over a wide area. No sulphides present.			
36.60	37.00	BX	34	65	NUL	1	Breccia zone comprising calcite and carbonate veining and gouge at contact between dyke and GRD. Very rubbly. Clasts comprise both dyke and GRD material.			
44.81	44.90	VN	37	70	NUL	1	Swirling milky quartz vein hosting blebby pyrite and smokey quartz.			
								Py	5	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382935	6889793	1408.77	335

ZONE: Central Klaza

SECTION:

HOLE: KL-16-323

CLAIM: Klaza 20

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 24 - Jul 26, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
5	25.9	-50.5	Reflex
335	34.4	-52.4	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.95	0.95	CAS
0.95	3.88	2.93	OVB
3.88	9.48	5.6	GRD
9.48	36.64	27.16	GRD
36.64	39.58	2.94	GRD
39.58	54.5	14.92	QFP
54.5	71.46	16.96	GRD
71.46	87.04	15.58	GRD
87.04	92.6	5.56	QFP
92.6	118.09	25.49	GRD
118.09	120.83	2.74	GRD
120.83	140.37	19.54	GRD
140.37	175.32	34.95	GRD
175.32	183.32	8	GRD
183.32	188	4.68	QFP
188	207	19	GRD

SAMPLES	
Numbers:	K292779, R615651 to R615750, R616167 to R616200
Total:	135
Batch:	060, 074, 077, 080, 081, 082
Certificates:	VA16126419, VA16126435, VA16126453, VA16126457, VA16126466, VA16127969

COMMENTS

207	208.83	1.83	QFP
208.83	215.26	6.43	GRD
215.26	229.47	14.21	QFP
229.47	268.85	39.38	GRD
268.85	275.84	6.99	GRD
275.84	335	59.16	GRD

KL-16-323

Box Number	From (m)	To (m)
1	0.95	4.69
2	4.69	7.82
3	7.82	10.52
4	10.52	13.75
5	13.75	16.64
6	16.64	20
7	20	23
8	23	26.07
9	26.07	29.27
10	29.27	32.44
11	32.44	35.32
12	35.32	38.23
13	38.23	41
14	41	44.37
15	44.37	47.42
16	47.42	50.64
17	50.64	53.61
18	53.61	56.72
19	56.72	59.91
20	59.91	63.03
21	63.03	66.38
22	66.38	69.45
23	69.45	72.22
24	72.22	75.55
25	75.55	78.71
26	78.71	81.83
27	81.83	84.78
28	84.78	87.64
29	87.64	90.52
30	90.52	93.5
31	93.5	96.73
32	96.73	99.9
33	99.9	103.02
34	103.02	106.46
35	106.46	109.67
36	109.67	112.31
37	112.31	114.79
38	114.79	117.95
39	117.95	121.19
40	121.19	124.3
41	124.3	127.5
42	127.5	130.72
43	130.72	133.77
44	133.77	136.68
45	136.68	139.91
46	139.91	142.79
47	142.79	146
48	146	149
49	149	151.7
50	151.7	154.53
51	154.53	157.86
52	157.86	161
53	161	164.33
54	164.33	167.4
55	167.4	170.45
56	170.45	173.39
57	173.39	175.84
58	175.84	178.72
59	178.72	181.82
60	181.82	184.66
61	184.66	187.36
62	187.36	190.59
63	190.59	193.82
64	193.82	197
65	197	200.27
66	200.27	203.34
67	203.34	206.27
68	206.27	209.4
69	209.4	212.48
70	212.48	215.61
71	215.61	218.84
72	218.84	221.85
73	221.85	225.04
74	225.04	227.89
75	227.89	231.11
76	231.11	234.06
77	234.06	237.29
78	237.29	240.44
79	240.44	243.65
80	243.65	246.86
81	246.86	250
82	250	253
83	253	256.11
84	256.11	259.08
85	259.08	262.2
86	262.2	265.54
87	265.54	268.4
88	268.4	271.24
89	271.24	274.13
90	274.13	277.13

Box Number	From (m)	To (m)
91	277.13	279.24
92	279.24	283.2
93	283.2	286.23
94	286.23	289.24
95	289.24	292.22
96	292.22	295.08
97	295.08	298.07
98	298.07	300.97
99	300.97	303.57
100	303.57	306.52
101	306.52	309.68
102	309.68	312.58
103	312.58	315.76
104	315.76	319.14
105	319.14	322.36
106	322.36	325.37
107	325.37	328.37
108	328.37	331.35
109	331.35	334.26
110	334.26	335

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-323									
	64.71	17	HQ	GRD	1534.5	987.8	2.9	2.8	Phyllic altered granodiorite with pyrite stringers
	124.42	22.5	HQ	GRD	1915.4	1195.2	2.73	2.7	Zone of phyllic granodiorite brecciated by quartz carbonate veining. Carbonate veinlets intrude granodiorite throughout.
	136.38	13	HQ	GRD	1184	766	2.92	2.8	3cm Milky quartz/carbonate vein hosting blebby sphalerite and disseminated pyrite. Found within argillic/phyllic granodiorite
	156.58	17	HQ	GRD	1623.8	1085.5	3.06	3.0	7cm quartz carbonate vein found within argillic/propylitic altered granodiorite. Vein hosts massive sphalerite with blebby pyrite around the rim of sphalerite mineralization, and minor disseminated galena.
	186.59	10	HQ	QFP	1377.4	1048.7	4.42	4.2	Quartz carbonate vein hosting massive pyrite and blackjack sphalerite, blebby galena, disseminated arsenopyrite. Found in medium green quartz feldspar dyke.
	196.73	26	HQ	GRD	2238.4	1406.3	2.76	2.7	lightly silicious granodiorite with patchy potassic propylitic and phyllic alteration.
	207.97	19.5	HQ	QFP	1879.3	1209.3	3.09	2.8	Black magnetic quartz feldspar porphyry dyke

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	215	13	HQ	GRD	1246.6	818.2	3.08	2.9	4 cm Quartz carbonate vein hosting blebby blackjack sphalerite and blebby to disseminated pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.95	3.88	2.93	OVB	--	Organics and overburden							
						MD	BR					
						LT	BR					
3.88	9.48	5.60	GRD	--	Highly oxidized, and fractured granodiorite.							
						MD	BR	PA	OXI	3I		
						LT	BR	FR	OXI	2I		
						LT	OR					
9.48	36.64	27.16	GRD	MG	Unaltered granodiorite with patchy halos of moderate argillic/phyllic to argillic/propylitic alteration. Small carbonate and quartz stringers and veinlets sporadically present. Joint planes and fractures display moderate to strong oxidation.							
						MD	GN		ARG	2I		
						MD	WH		PHC	2I		
						LT	GN	PA	PRO	2I		
36.64	39.18	2.54	GRD	MG	Moderate to strong argillic altered granodiorite with propylitic/phyllic overprinting. Contains a 45cm zone along the upper selvedge of a quartz feldspar porphyry contact that displays brecciation and mineralization. Banded-like texture is found between porphyry and granodiorite.							
						MD	GN	FR	ARG	4I	Py	1
						MD	WH		PHC	2I	Sp	1
						LT	GN	PA	ARG	3I	Gn	1
									PRO	2I		
									PRO	3I		
39.58	54.50	14.92	QFP	FG	Light green quartz feldspar porphyry dyke with white and light green clasts. Carbonate veinlets found throughout.							
						LT	GN	PO				
71.46	87.04	15.58	GRD	MG	Unaltered granodiorite alternating with larger zones of argillic/phyllic/propylitic granodiorite (both halos, and patchy alteration). Halos carry quartz veins with minor mineralization.							
						MD	GN		PHC	3I	To	1
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	YW		PRO	2I	Sp	1
									ARG	2I	Py	1
									PRO	3I		
87.04	92.60	5.56	QFP	FG	Light green to brown quartz feldspar porpyry dyke. Displays potassic overprinting along lower selvedge of dyke. Weak gouge present, along with carbonate stringers.							
						LT	GN	PO	POT	2I		
						LT	BR	PA				
						LT	RD					
92.60	118.09	25.49	GRD	MG	Granodiorite displaying alternating intervals of moderate to strongly phyllic, propyllitic, argillic/phyllic, argillic/propylitic altered granodiorite. Interval has small patches of moderate to strongly potassic altered granodiorite within argillic/phyllic zones. Zone begins along a dyke contact, and displays gouge alteration throughout the first 50cm. Throughout the entire interval, quartz and carbonate veins to veinlets are present, carrying sulfide mineralization. Tourmaline is disseminated throughout, and found in blebs within and outside of veins. Concentration of quartz veins distal to dyke contact.							
						MD	GN	FR	PHC	4I	To	1
						MD	RD		PHC	2I	Py	1
						MD	WH		PRO	2I	Py	1
						LT	GN	PA	PHC	3I	To	1
									POT	3I		
									PRO	4I		
									POT	4I		
									PRO	3I	Sp	1
									ARG	3I		
									ARG	2I	Sp	1
120.83	140.37	19.54	GRD	MG	Granodiorite alternating between patches of argillic, argillic/phyllic and argillic to propylitic altered granodiorite. Contains small patches of rubbly argillic/propylitic granodiorite. Interval carries veins and veinlets of quartz/carbonate throughout, hosting mineralization sporadically. Patches of trace to weak potassic overprinting found in patches throughout.							
						MD	GN	FR	PHC	3I	To	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PRO	3I	Py	1
						LT	WH	RB	PRO	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK		ARG	2I		
									ARG	3I		
									POT	2I		
140.37	175.32	34.95	GRD	MG	Unaltered granodiorite alternating between weak to moderate argillic/phyllic, argillic/propylitic, and patchy weak to moderate phyllic and propylitic alteration. Interval carries veins and veinlets of quartz/carbonate throughout, hosting mineralization sporadically. Unaltered granodiorite contains patchy trace propylitic/potassic overprinting.							
						MD	GN		PRO	2I	Gn	1
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I	Sp	3
						LT	PK		PHC	3I	Py	1
						LT	WH		PRO	3I		
									ARG	3I		
									POT	1I		
									PRO	1I		
175.32	183.32	8.00	GRD	MG	Unaltered granodiorite alternating with propylitic alteration. Interval ends along a quartz feldspar porphyry dyke with phyllic altered and quartz/carbonate flooded granodiorite. Contains a zone of intensely fractured and gouged propylitic granodiorite with a mottled texture.							
						MD	GN	FR	PRO	3I	Py	1
						LT	GN	PA	PHC	3I	Py	1
											Cp	1
											Gn	1
											Sp	1
183.32	188.00	4.68	QFP	FG	Light green quartz feldspar porphyry dyke. Dyke contains a zone of dark green dyke, hosting a significant quartz carbonate vein zone, which carrries massive pyrite, sphalerite, blebby galena, and pyrite.							
						MD	GN				Py	5
						LT	GN	PO	HYD	3I	Sp	5
						DK	GN				Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Py	1
207.00	208.83	1.83	QFP	FG	Black magnetic quartz feldspar porphyry dyke.							
						DK	BL	PO				
208.83	215.26	6.43	GRD	MG	Unaltered to patchy weak propylitic, moderate argillic, and moderate phyllic granodiorite. Minearlized zone along lower dyke contact.							
						MD	GN	FR	PHC	3I	Sp	1
						MD	WH		PRO	2I		
						LT	GN	PA	PHC	2I	Py	1
									PRO	3I		
									ARG	2I		
									ARG	3I		
215.26	216.50	1.24	QFP	FG	Propylitic granodiorite transitioning into and out of recurring light green to medium black magnetic quartz feldspar dyke. Interval could be an irregular dyke contact roughly parallel to dip. Dyke carries sulfide mineralization along fractures, as well as in quartz/carbonate veins crosscutting dyke							
						MD	GN	PA	PRO	3I	Gn	1
						MD	BL				Py	2
						LT	GN	PO	PRO	2I	Sp	1
216.50	218.67	2.17	GRD	MG	Granodiorite with trace propylitic alteration patches. Interval is mottled with patches of epidots, and green to black dyke.							
						MD	GN	PA	PRO	2I		
						MD	BL					
						DK	GN	MO				
218.67	220.11	1.44	QFP	FG	medium black magnetic dyke transitioning into medium to light green quartz feldspar porphyry dyke with pyrite filed stringers throughout. Dyke then transitions back to medium black magnetic dyke.							
						MD	GN					
						MD	BL					
						LT	GN	PO			Py	3
220.11	222.00	1.89	GRD	MG	Unaltered granodiorite with patchy trace to weak propylitic alteration							
						LT	GN	PA	PRO	1I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
222.00	223.91	1.91	QFP	FG	Medium green quartz feldspar porphyry dyke with mottled phenocrysts and carbonate stringers.							
						MD	GN	PO				
223.91	228.52	4.61	GRD	MG	Propylitic to argillic/propylitic granodiorite with potassic overprinting displaying weak signs of quartz flooding towards end of interval. Highly fractured and rubbly in patches throughout.							
						MD	GN	FR	PRO	3I		
						LT	PK	RB	ARG	2I		
						LT	GN	PA	PRO	2I		
									ARG	3I		
									POT	1I		
228.52	229.47	0.95	QFP	FG	Medium green quartz feldspar porphyry dyke with pyrite stringers and quartz veins throughout.							
						MD	GN	PO			Py	3
											Sp	1
229.47	238.11	8.64	GRD	MG	Quartz flooded phyllic altered granodiorite alternating with argillic/phyllic alteration. Quartz veins are present throughout hosting sulfide mineralization in some veins.							
						MD	GN		SIL	3I	Py	1
						MD	WH		PHC	2I	Sp	1
						LT	GN	PA	SIL	2I	Py	1
									PHC	3I		
									ARG	2I		
243.65	259.68	16.03	GRD	MG	Quartz flooded phyllic to argillic/phyllic altered granodiorite alternating with unaltered granodiorite. Patchy alteration occurs in medium sized intervals throughout. Quartz veins are present throughout hosting sulfide mineralization in some veins.							
						MD	GN		PHC	3I		
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I	Py	1
									PRO	2I		
268.85	275.84	6.99	GRD	MG	highlty fractured zone of moderate argillic/phyllic altered granodiorite. Interval hosts smokey quartz and quartz carbonate veinlets throughout. Sporadic patches of gouge altered granodiorite with black glay from sulfide breakdown.							
						MD	GN	FR	PHC	3I	Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I	Py	2
									ARG	3I		
275.84	300.64	24.80	GRD	MG	Alternating weak to slightly strong propyitic, phyllic, and argillic/phyllic to argillic/propylitic altered granodiorite. Zone contains small patches of highly fractured granodiorite. Sulfide veins present, bearing dominantly pyrite. Patchy weak to moderate silicification and quartz flooding present.							
						MD	GN	FR	PHC	3I	Py	1
						MD	WH		PHC	4I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
									PRO	3I		
									PRO	2I		
									ARG	2I		
									ARG	3I		
300.64	302.00	1.36	FLT	MG	Highly fractured and gouged moderate to strong argillic altered granodiorite with weak propylitic overprinting.							
						LT	GN	RB	ARG	4I		
						LT	WH	FR	ARG	3I		
									PRO	2I		
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.95	3.88	2.93	OVB	--	Organics and overburden							
						MD	BR					
						LT	BR					
3.88	9.48	5.60	GRD	--	Highly oxidized, and fractured granodiorite.							
						MD	BR	PA	OXI	3I		
						LT	BR	FR	OXI	2I		
						LT	OR					
9.48	36.64	27.16	GRD	MG	Unaltered granodiorite with patchy halos of moderate argillic/phyllic to argillic/propylitic alteration. Small carbonate and quartz stringers and veinlets sporadically present. Joint planes and fractures display moderate to strong oxidation.							
						LT	GN	PA	PRO	2I		
						MD	GN		ARG	2I		
						MD	WH		PHC	2I		
36.64	39.58	2.94	GRD	MG	Moderate to strong argillic altered granodiorite with propylitic/phyllic overprinting. Contains a 45cm zone along the upper selvedge of a quartz feldspar porphyry contact that displays brecciation and mineralization. Banded-like texture is found between porphyry and granodiorite.							
						MD	WH		PHC	2I	Sp	1
						MD	GN	FR	ARG	4I	Py	1
									PRO	2I		
									PRO	3I		
						LT	GN	PA	ARG	3I	Gn	1
39.58	54.50	14.92	QFP	FG	Light green quartz feldspar porphyry dyke with white and light green clasts. Carbonate veinlets found throughout.							
						LT	GN	PO				
71.46	87.04	15.58	GRD	MG	Unaltered granodiorite alternating with larger zones of argillic/phyllic/propylitic granodiorite (both halos, and patchy alteration). Halos carry quartz veins with minor mineralization.							
						LT	GN	PA	PHC	2I	Py	1
						LT	YW		PRO	2I	Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I	To	1
									PRO	3I		
									ARG	2I	Py	1
87.04	92.60	5.56	QFP	FG	Light green to brown quartz feldspar porpyry dyke. Displays potassic overprinting along lower selvedge of dyke. Weak gouge present, along with carbonate stringers.							
						LT	BR	PA				
						LT	RD	PA				
						LT	GN	PO	POT	2I		
92.60	118.09	25.49	GRD	MG	Granodiorite displaying alternating intervals of moderate to strongly phyllic, propyllitic, argillic/phyllic, argillic/propylitic altered granodiorite. Interval has small patches of moderate to strongly potassic altered granodiorite within argillic/phyllic zones. Zone begins along a dyke contact, and displays gouge alteration throughout the first 50cm. Throughout the entire interval, quartz and carbonate veins to veinlets are present, carrying sulfide mineralization. Tourmaline is disseminated throughout, and found in blebs within and outside of veins. Concentration of quartz veins distal to dyke contact.							
						MD	WH		PRO	2I	Py	1
									PRO	4I		
									POT	4I		
									POT	3I		
									ARG	3I		
									ARG	2I	Sp	1
						MD	RD		PHC	2I	Py	1
						MD	GN	FR	PHC	4I	To	1
						LT	GN	PA	PHC	3I	To	1
									PRO	3I	Sp	1
120.83	140.37	19.54	GRD	MG	Granodiorite alternating between weak to moderate argillic, argillic/phyllic and argillic/propylitic altered granodiorite with small patches of weak phyllic and propylitic alteration. Contains small patches of rubbly argillic/propylitic granodiorite. Interval carries veins and veinlets of quartz/carbonate throughout, hosting mineralization sporadically. Patches of trace to weak potassic overprinting found in patches throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	RB	PRO	2I	Sp	1
									POT	2I		
									ARG	3I		
						MD	WH		PRO	3I	Py	1
						MD	GN	FR	PHC	3I	To	1
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK		ARG	2I		
140.37	175.32	34.95	GRD	MG	Unaltered granodiorite alternating between weak to moderate argillic/phyllic, argillic/propylitic, and patchy weak to moderate phyllic and propylitic alteration. Interval carries veins and veinlets of quartz/carbonate throughout, hosting mineralization sporadically. Unaltered granodiorite contains patchy trace propylitic/potassic overprinting.							
						MD	WH		ARG	2I		
						LT	GN	PA	PHC	2I	Sp	3
									ARG	3I		
									POT	1I		
						LT	WH		PRO	3I		
						MD	GN		PRO	2I	Gn	1
									PRO	1I		
						LT	PK		PHC	3I	Py	1
175.32	183.32	8.00	GRD	MG	Unaltered granodiorite alternating with propylitic alteration. Interval ends along a quartz feldspar porphyry dyke with phyllic altered and quartz/carbonate flooded granodiorite. Contains a zone of intensely fractured and gouged propylitic granodiorite with a mottled texture.							
											Sp	1
											Gn	1
											Cp	1
						MD	GN	PA	PRO	3I	Py	1
						LT	GN	FR	PHC	3I	Py	1
183.32	188.00	4.68	QFP	FG	Light green quartz feldspar porphyry dyke. Dyke contains a zone of dark green dyke, hosting a significant quartz carbonate vein zone, which carrries massive pyrite, sphalerite, blebby galena, and pyrite.							
											Py	1
						MD	GN				Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN				Gn	1
						LT	GN	PO	HYD	3I	Sp	5
207.00	208.83	1.83	QFP	FG	Black magnetic quartz feldspar porphyry dyke.							
						DK	BL	PO				
208.83	215.26	6.43	GRD	MG	Unaltered to patchy weak propylitic, moderate argillic, and moderate phyllic granodiorite. Minearlized zone along lower dyke contact.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Sp	1
						MD	WH		PRO	2I		
									PRO	3I		
									ARG	2I		
									ARG	3I		
215.26	229.47	14.21	QFP	FG	Propylitic granodiorite transitioning into and out of recurring light green quartz feldspar porphyry dyke to light black magnetic dyke. Interval could be an irregular dyke contact roughly parallel to dip. Dyke carries sulfide mineralization along fractures throughout, as well as in quartz/carbonate veins crosscutting dyke							
						LT	GN	PO	PRO	2I	Py	2
						MD	GN	PA	PRO	3I	Sp	1
						MD	BL				Gn	1
229.47	268.85	39.38	GRD	MG	Quartz flooded weak to moderately phyllic altered granodiorite alternating with unaltered granodiorite and argillic/phyllic alteration. Quartz/carbonate veins are present throughout hosting sulfide mineralization in some veins. No significant veins of mineralization. Highly gouged zone of granodiorite from 259.68-259.71 may represent small fault.							
						MD	GN		SIL	3I	Py	1
									ARG	2I		
						MD	WH		PHC	2I	Py	1
						LT	GN	PA	SIL	2I	Sp	1
									PHC	3I		
268.85	275.84	6.99	GRD	MG	highlty fractured zone of moderate argillic/phyllic altered granodiorite. Interval hosts smokey quartz and quartz carbonate veinlets throughout. Sporadic patches of gouge altered granodiorite with black glay from sulfide breakdown.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	2I	Py	2
						MD	GN	FR	PHC	3I	Gn	1
						MD	WH		ARG	2I		
									ARG	3I		
275.84	335.00	59.16	GRD	MG	Alternating weak to slightly strong propyitic, phyllic, and argillic/phyllic to argillic/propylitic altered granodiorite. Zone contains small patches of highly fractured granodiorite. Small zone of highly gouged and faulted rock found at ~301m, that may represent potential fault zone. Sulfide veins present, bearing dominantly pyrite. Patchy weak to moderate silicification and quartz flooding present.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Py	1
						MD	WH		PHC	4I	Sp	1
						LT	WH		PRO	3I		
									PRO	2I		
									ARG	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	0.95	0.95	0	0	0.00	0	--	--	--	cased
0.95	2.00	1.05	0.35	33	0.00	0	--	3H	4W	
2.00	5.00	3.00	1.9	63	0.34	11	--	3H	4W	
5.00	8.00	3.00	2.34	78	0.72	24	--	3H	3W	
8.00	11.00	3.00	2.79	93	1.31	44	--	3H	3W	
11.00	14.00	3.00	2.8	93	1.99	66	--	4H	2W	
14.00	17.00	3.00	2.83	94	1.77	59	--	4H	2W	
17.00	20.00	3.00	2.83	94	1.72	57	--	4H	2W	
20.00	23.00	3.00	2.73	91	2.14	71	--	3H	2W	
23.00	26.00	3.00	2.49	83	1.89	63	--	3H	4W	
26.00	29.00	3.00	3	100	2.50	83	--	3H	2W	
29.00	32.00	3.00	2.55	85	2.13	71	--	4H	4W	
32.00	35.00	3.00	2.83	94	1.49	50	--	3H	3W	
35.00	38.00	3.00	2.39	80	1.34	45	--	3H	2W	
38.00	41.00	3.00	3	100	0.95	32	--	3H	1W	
41.00	44.00	3.00	2.66	89	2.11	70	--	3H	2W	
44.00	47.00	3.00	2.94	98	2.78	93	--	3H	2W	
47.00	50.00	3.00	2.88	96	2.76	92	--	3H	1W	
50.00	53.00	3.00	2.88	96	2.63	88	--	3H	2W	
53.00	56.00	3.00	2.77	92	1.29	43	--	2H	3W	
56.00	59.00	3.00	2.75	92	1.86	62	--	3H	2W	
59.00	62.00	3.00	2.95	98	2.10	70	--	3H	2W	
62.00	65.00	3.00	2.79	93	1.98	66	--	3H	3W	
65.00	68.00	3.00	2.83	94	2.19	73	--	3H	3W	
68.00	71.00	3.00	2.98	99	2.10	70	--	4H	2W	
71.00	74.00	3.00	2.88	96	2.31	77	--	3H	2W	
74.00	77.00	3.00	2.88	96	2.70	90	--	3H	2W	
77.00	80.00	3.00	2.92	97	2.63	88	--	3H	2W	
80.00	83.00	3.00	2.53	84	2.11	70	--	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
83.00	86.00	3.00	2.04	68	1.22	41	--	3H	3W	
86.00	89.00	3.00	2.75	92	2.34	78	--	3H	1W	
89.00	92.00	3.00	2.62	87	1.96	65	--	3H	1W	
92.00	95.00	3.00	2.86	95	1.71	57	--	2H	2W	
95.00	98.00	3.00	2.83	94	2.36	79	--	3H	1W	
98.00	101.00	3.00	2.84	95	2.38	79	--	4H	1W	
101.00	104.00	3.00	2.96	99	2.37	79	--	4H	1W	
104.00	107.00	3.00	2.98	99	2.52	84	--	3H	1W	
107.00	110.00	3.00	2.85	95	1.66	55	--	4H	1W	
110.00	113.00	3.00	2.65	88	1.03	34	--	4H	1W	
113.00	116.00	3.00	2.78	93	1.32	44	--	4H	1W	
116.00	119.00	3.00	2.92	97	1.98	66	--	4H	1W	
119.00	122.00	3.00	2.85	95	1.86	62	--	4H	1W	
122.00	125.00	3.00	2.79	93	1.92	64	--	3H	1W	
125.00	128.00	3.00	2.79	93	1.94	65	--	4H	1W	
128.00	131.00	3.00	2.91	97	1.84	61	--	3H	1W	
131.00	134.00	3.00	2.48	83	1.16	39	--	3H	1W	
134.00	137.00	3.00	2.95	98	2.02	67	--	3H	1W	
137.00	140.00	3.00	3	100	1.95	65	--	4H	1W	
140.00	143.00	3.00	3	100	2.51	84	--	4H	1W	
143.00	146.00	3.00	2.99	100	2.29	76	--	4H	1W	
146.00	149.00	3.00	2.98	99	2.00	67	--	4H	1W	
149.00	152.00	3.00	3	100	0.75	25	--	3H	1W	Interval contains 30 cm rubbly interval
152.00	155.00	3.00	2.81	94	1.41	47	--	3H	1W	
155.00	158.00	3.00	3	100	2.17	72	--	3H	1W	
158.00	161.00	3.00	3	100	2.91	97	--	5H	1W	
161.00	164.00	3.00	3	100	2.42	81	--	5H	1W	
164.00	167.00	3.00	2.99	100	2.07	69	--	5H	1W	
167.00	170.00	3.00	3	100	2.09	70	--	5H	1W	
170.00	173.00	3.00	2.87	96	1.58	53	--	4H	1W	
173.00	176.00	3.00	2.63	88	0.51	17	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
176.00	179.00	3.00	2.63	88	1.05	35	--	3H	1W	
179.00	182.00	3.00	2.87	96	1.53	51	--	4H	1W	
182.00	185.00	3.00	2.78	93	0.75	25	--	3H	1W	
185.00	188.00	3.00	2.7	90	1.24	41	--	3H	1W	
188.00	191.00	3.00	2.96	99	2.51	84	--	4H	1W	
191.00	194.00	3.00	2.85	95	2.12	71	--	4H	1W	
194.00	197.00	3.00	2.99	100	2.86	95	--	4H	1W	
197.00	200.00	3.00	2.88	96	2.01	67	--	4H	1W	
200.00	203.00	3.00	2.91	97	2.06	69	--	4H	1W	
203.00	206.00	3.00	2.98	99	1.98	66	--	4H	1W	
206.00	209.00	3.00	2.8	93	1.57	52	--	3H	1W	
209.00	212.00	3.00	2.92	97	1.64	55	--	3H	1W	
212.00	215.00	3.00	2.93	98	1.86	62	--	3H	2W	
215.00	218.00	3.00	2.98	99	2.50	83	--	4H	2W	
218.00	221.00	3.00	2.97	99	2.40	80	--	4H	1W	
221.00	224.00	3.00	2.96	99	2.20	73	--	4H	1W	
224.00	227.00	3.00	2.43	81	1.13	38	--	2H	1W	
227.00	230.00	3.00	2.9	97	2.27	76	--	3H	1W	
230.00	233.00	3.00	2.87	96	2.52	84	--	5H	1W	
233.00	236.00	3.00	2.73	91	1.13	38	--	3H	1W	
236.00	239.00	3.00	2.97	99	2.37	79	--	4H	1W	
239.00	242.00	3.00	2.89	96	2.45	82	--	5H	1W	
242.00	245.00	3.00	2.91	97	2.50	83	--	5H	1W	
245.00	248.00	3.00	2.93	98	2.58	86	--	4H	1W	
248.00	251.00	3.00	2.89	96	1.77	59	--	4H	1W	
251.00	254.00	3.00	3	100	2.29	76	--	4H	1W	
254.00	257.00	3.00	3	100	2.39	80	--	4H	1W	
257.00	260.00	3.00	3	100	2.68	89	--	4H	1W	
260.00	263.00	3.00	3	100	2.10	70	--	4H	1W	
263.00	266.00	3.00	3	100	1.94	65	--	4H	1W	
266.00	269.00	3.00	2.98	99	1.71	57	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
269.00	272.00	3.00	3	100	0.44	15	--	2H	1W	
272.00	275.00	3.00	2.99	100	1.24	41	--	3H	1W	
275.00	278.00	3.00	3	100	1.95	65	--	4H	1W	
278.00	281.00	3.00	3	100	1.87	62	--	4H	1W	
281.00	284.00	3.00	3	100	2.30	77	--	3H	1W	
284.00	287.00	3.00	3	100	1.09	36	--	4H	1W	
287.00	290.00	3.00	3	100	1.81	60	--	4H	1W	
290.00	293.00	3.00	2.99	100	1.71	57	--	4H	1W	
293.00	296.00	3.00	2.95	98	1.38	46	--	3H	1W	
296.00	299.00	3.00	3	100	0.75	25	--	2H	1W	
299.00	302.00	3.00	2.85	95	0.66	22	--	2H	1W	Rubble
302.00	305.00	3.00	3	100	1.61	54	--	4H	1W	
305.00	308.00	3.00	3	100	1.44	48	--	3H	1W	
308.00	311.00	3.00	2.99	100	2.07	69	--	3H	1W	
311.00	314.00	3.00	3	100	1.85	62	--	3H	1W	
314.00	317.00	3.00	2.85	95	1.21	40	--	3H	1W	
317.00	320.00	3.00	3	100	1.55	52	--	3H	1W	
320.00	323.00	3.00	3	100	2.10	70	--	3H	1W	
323.00	326.00	3.00	3	100	2.18	73	--	4H	1W	
326.00	329.00	3.00	3	100	2.51	84	--	5H	1W	
329.00	332.00	3.00	2.89	96	1.38	46	--	2H	1W	
332.00	335.00	3.00	2.95	98	1.71	57	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	2.427	OVB	
2	0	OVB	casing/rubble
3	0.282	OVB	
4	0.447	GRD	
5	0.425	GRD	
6	0.679	GRD	
7	0.627	GRD	
8	0.603	GRD	
9	2.15	GRD	
10	4.487	GRD	
11	32.15	GRD	
12	16.43	GRD	
13	42.73	GRD	
14	8.707	GRD	
15	20.08	GRD	
16	25.96	GRD	
17	30.77	GRD	
18	34.27	GRD	
19	27.31	GRD	
20	32.6	GRD	
21	22.46	GRD	
22	28.7	GRD	
23	1.33	GRD	
24	12.9	GRD	
25	0.671	GRD	
26	11.1	GRD	
27	30.9	GRD	
28	29.3	GRD	
29	30.7	GRD	
30	31.3	GRD	
31	0.564	GRD	
32	16.3	GRD	
33	2.24	GRD	
34	0.38	GRD	
35	0.671	GRD	
36	9.76	GRD	
37	0.477	GRD	
38	0.243	GRD	
39	0.376	GRD	
40	0.378	QFP	
41	0.312	QFP	
42	0.296	QFP	
43	0.326	QFP	
44	0.238	QFP	
45	0.259	QFP	
46	0.249	QFP	
47	0.242	QFP	
48	0.371	QFP	
49	0.233	QFP	
50	0.676	QFP	
51	0.292	QFP	
52	0.261	QFP	
53	0.204	QFP	
54	0.997	QFP	
55	0.439	GRD	
56	0.347	GRD	
57	0.606	GRD	
58	0.324	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.242	GRD	
60	0.503	GRD	
61	0.484	GRD	
62	0.582	GRD	
63	1.066	GRD	
64	0.569	GRD	
65	0.294	GRD	
66	0.25	GRD	
67	0.265	GRD	
68	0.349	GRD	
69	0.23	GRD	
70	0.234	GRD	
71	0.524	GRD	
72	0.803	GRD	
73	10.1	GRD	
74	0.603	GRD	
75	4.9	GRD	
76	33.7	GRD	
77	0.511	GRD	
78	0.365	GRD	
79	0.413	GRD	
80	0.211	GRD	
81	1.34	GRD	
82	6.74	GRD	
83	0.004	GRD	
84	0.106	GRD	
85	0.156	GRD	
86	0.176	GRD	
87	0.373	GRD	
88	0.26	QFP	
89	0.112	QFP	
90	0.178	QFP	
91	0.181	QFP	
92	0.144	QFP	
93	0.178	GRD	
94	0.352	GRD	
95	0.405	GRD	
96	0.459	GRD	
97	0.845	GRD	
98	0.802	GRD	
99	0.478	GRD	
100	0.336	GRD	
101	0.273	GRD	
102	0.657	GRD	
103	0.409	GRD	
104	0.39	GRD	
105	0.255	GRD	
106	0.472	GRD	
107	0.436	GRD	
108	0.389	GRD	
109	0.545	GRD	
110	0.521	GRD	
111	0.226	GRD	
112	0	GRD	Rubble. No mag taken
113	0.411	GRD	
114	0.312	GRD	
115	5.3	GRD	
116	3.17	GRD	
117	0.417	GRD	
118	0.868	GRD	
119	0.679	GRD	
120	11.3	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.667	GRD	
122	18.3	GRD	
123	25.5	GRD	
124	0.363	GRD	
125	0.726	GRD	
126	0.616	GRD	
127	0.441	GRD	
128	0.489	GRD	
129	23.4	GRD	
130	24.5	GRD	
131	16.9	GRD	
132	1.36	GRD	
133	1.64	GRD	
134	3.7	GRD	
135	0.391	GRD	
136	0.48	GRD	
137	0.444	GRD	
138	0.355	GRD	
139	0.508	GRD	
140	0.315	GRD	
141	0.313	GRD	
142	45	GRD	
143	14.9	GRD	
144	5.49	GRD	
145	11	GRD	
146	22.4	GRD	
147	17.2	GRD	
148	9.2	GRD	
149	10.5	GRD	
150	0.867	GRD	
151	1.98	GRD	
152	0.307	GRD	
153	0.338	GRD	
154	0.421	GRD	
155	0.508	GRD	
156	4.38	GRD	
157	0.472	GRD	
158	20	GRD	
159	31.1	GRD	
160	5.28	GRD	
161	43.4	GRD	
162	45	GRD	
163	37.8	GRD	
164	37.4	GRD	
165	0.972	GRD	
166	29.7	GRD	
167	27.3	GRD	
168	10	GRD	
169	38.9	GRD	
170	0.444	GRD	
171	4.76	GRD	
172	19.1	GRD	
173	0.566	GRD	
174	0.77	GRD	
175	0.931	GRD	
176	0.512	GRD	
177	0	GRD	Rubble. No mag taken
178	1.06	GRD	
179	1.35	GRD	
180	2.11	GRD	
181	21.5	GRD	
182	10.8	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	0.775	GRD	
184	0.295	QFP	
185	0.226	QFP	
186	0.244	QFP	
187	0.416	QFP	
188	0.251	GRD	
188	0.251	QFP	
189	0.759	GRD	
190	1.2	GRD	
191	7.3	GRD	
192	26	GRD	
193	45.9	GRD	
194	41.4	GRD	
195	36.7	GRD	
196	39.3	GRD	
197	2.89	GRD	
198	0.51	GRD	
199	1.29	GRD	
200	0.93	GRD	
201	0.809	GRD	
202	1.14	GRD	
203	0.864	GRD	
204	0.327	GRD	
205	0.219	GRD	
206	0.172	GRD	
207	8.36	GRD	
207	8.36	QFP	
208	3.73	QFP	
209	2.4	GRD	
210	0.892	GRD	
211	0.802	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
212	0.216	GRD	
213	0.943	GRD	
214	0.307	GRD	
215	0.345	GRD	
216	1.05	QFP	
217	30.1	QFP	
218	13.6	QFP	
219	8.24	QFP	
220	47.6	QFP	
221	36.1	QFP	
222	0.474	QFP	
223	0.283	QFP	
224	8.58	QFP	
225	7.13	QFP	
226	0.453	QFP	
227	0.273	QFP	
228	0.751	QFP	
229	0.798	QFP	
230	8.86	GRD	
231	0.707	GRD	
232	0.226	GRD	
233	0.625	GRD	
234	0.387	GRD	
235	0.577	GRD	
236	0.29	GRD	
237	0.369	GRD	
238	0.965	GRD	
239	47.6	GRD	
240	38	GRD	
241	40.9	GRD	
242	33.3	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
243	41.7	GRD	
244	42.4	GRD	
245	2.55	GRD	
246	1.03	GRD	
247	38.5	GRD	
248	1.2	GRD	
249	8.78	GRD	
250	0.189	GRD	
251	0.299	GRD	
252	0.641	GRD	
253	0.969	GRD	
254	1.67	GRD	
255	0.843	GRD	
256	1.31	GRD	
257	18.5	GRD	
258	27.6	GRD	
259	0.403	GRD	
260	0.323	GRD	
261	0.231	GRD	
262	0.435	GRD	
263	0.339	GRD	
264	0.194	GRD	
265	0.386	GRD	
266	0.528	GRD	
267	0.415	GRD	
268	0.486	GRD	
269	0.321	GRD	
270	0.223	GRD	
271	0.274	GRD	
272	0.269	GRD	
273	0.378	GRD	
274	0.859	GRD	
275	0.328	GRD	
276	0.372	GRD	
277	0.7	GRD	
278	0.428	GRD	
279	0.659	GRD	
280	0.146	GRD	
281	0.319	GRD	
282	0.6	GRD	
283	0.397	GRD	
284	2.23	GRD	
285	0.637	GRD	
286	0.503	GRD	
287	1.68	GRD	
288	0.454	GRD	
289	0.407	GRD	
290	0.284	GRD	
291	1.96	GRD	
292	3.35	GRD	
293	1.74	GRD	
294	0.826	GRD	
295	0.599	GRD	
296	0.236	GRD	
297	0.718	GRD	
298	26.2	GRD	
299	14.8	GRD	
300	0.709	GRD	
301	3.36	GRD	
302	3.84	GRD	
303	8.62	GRD	
304	5.51	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
305	3.89	GRD	
306	5.08	GRD	
307	0.393	GRD	
308	0.464	GRD	
309	3.83	GRD	
310	7.34	GRD	
311	1.05	GRD	
312	3.03	GRD	
313	0.401	GRD	
314	0.167	GRD	
315	0.514	GRD	
316	0.213	GRD	
317	0.229	GRD	
318	0.222	GRD	
319	0.21	GRD	
320	0.241	GRD	
321	0.363	GRD	
322	0.273	GRD	
323	0.226	GRD	
324	0.375	GRD	
325	0.174	GRD	
326	0.412	GRD	
327	13.82	GRD	
328	0.339	GRD	
329	0.445	GRD	
330	0.119	GRD	Rubble
331	0.204	GRD	
332	0.267	GRD	
333	0.14	GRD	
334	0.218	GRD	
335	0.196	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615721	☐	16-081			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616193	☐	16-077		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616188	☐	16-077			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615744	☐	16-082		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615658	☐	16-077			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615726	☐	16-081		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615718	☐	16-081		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615693	☐	16-080		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615689	☐	16-080			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615677	☐	16-080		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615673	☐	16-080			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615662	☐	16-077		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615730	☐	16-081			☑	☐	☐
24.36	24.88	0.52	GRD	0.52	100	R616167	☐	16-074			☐	☐	☐
38.23	38.73	0.50	GRD	0.50	100	R616168	☐	16-074			☐	☐	☐
38.73	39.38	0.65	GRD	0.65	100	R616169	☐	16-074			☐	☐	☐
39.38	40.18	0.80	GRD	0.80	100	R616170	☐	16-074			☐	☐	☐
53.49	54.32	0.83	QFP	0.83	100	R616171	☐	16-074			☐	☐	☐
54.32	54.95	0.63	QFP	0.63	100	R616172	☐	16-074			☐	☐	☐
54.95	57.05	2.10	GRD	2.10	100	R616173	☐	16-074			☐	☐	☐
57.05	57.65	0.60	GRD	0.60	100	R616174	☐	16-074			☐	☐	☐
57.65	59.91	2.26	GRD	2.26	100	R616175	☐	16-074			☐	☐	☐
57.65	59.91	2.26	GRD	2.26	100	R616176	☐	16-074			☐	☐	☑
59.91	61.72	1.81	GRD	1.61	89	R616177	☐	16-074			☐	☐	☐
61.72	62.24	0.52	GRD	0.52	100	R616178	☐	16-074			☐	☐	☐
62.24	63.12	0.88	GRD	0.88	100	R616179	☐	16-074			☐	☐	☐
63.12	63.62	0.50	GRD	0.50	100	R616180	☐	16-074			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
63.62	64.20	0.58	GRD	0.58	100	R616181	☐	16-074			☐	☐	☐
64.20	64.76	0.56	GRD	0.55	98	R616182	☐	16-077			☐	☐	☐
64.76	65.31	0.55	GRD	0.55	100	R616183	☐	16-077			☐	☐	☐
65.31	67.75	2.44	GRD	2.44	100	R616184	☐	16-077			☐	☐	☐
67.75	69.38	1.63	GRD	0.63	39	R616185	☐	16-077			☐	☐	☐
92.00	92.59	0.59	QFP	0.59	100	R616186	☐	16-077			☐	☐	☐
92.59	93.15	0.56	QFP	0.56	100	R616187	☐	16-077			☐	☐	☐
93.15	93.68	0.53	GRD	0.53	100	R616189	☐	16-077			☐	☐	☐
93.68	95.23	1.55	GRD	1.55	100	R616190	☐	16-077			☐	☐	☐
95.23	95.73	0.50	GRD	0.50	100	R616191	☐	16-077			☐	☐	☐
95.73	97.73	2.00	GRD	2.00	100	R616192	☐	16-077			☐	☐	☐
97.73	99.73	2.00	GRD	2.00	100	R616194	☐	16-077			☐	☐	☐
99.73	100.23	0.50	GRD	0.50	100	R616195	☐	16-077			☐	☐	☐
100.23	100.75	0.52	GRD	0.52	100	R616196	☐	16-077			☐	☐	☐
100.75	101.64	0.89	GRD	0.89	100	R616197	☐	16-077			☐	☐	☐
101.64	102.14	0.50	GRD	0.50	100	R616198	☐	16-077			☐	☐	☐
101.64	102.14	0.50	GRD	0.50	100	R616199	☐	16-077			☐	☑	☐
123.30	124.30	1.00	GRD	1.00	100	R616200	☐	16-077			☐	☐	☐
124.30	124.80	0.50	GRD	0.50	100	R615651	☐	16-077			☐	☐	☐
124.80	125.56	0.76	GRD	0.76	100	R615652	☐	16-077			☐	☐	☐
134.00	134.50	0.50	GRD	0.50	100	R615653	☐	16-077			☐	☐	☐
134.00	134.50	0.50	GRD	0.50	100	R615654	☐	16-077			☐	☐	☑
134.50	135.40	0.90	GRD	0.90	100	R615655	☐	16-077			☐	☐	☐
135.40	135.90	0.50	GRD	0.50	100	R615656	☐	16-077			☐	☐	☐
135.90	136.50	0.60	GRD	0.60	100	R615657	☐	16-077			☐	☐	☐
136.50	137.00	0.50	GRD	0.50	100	R615659	☐	16-077			☐	☐	☐
137.00	138.25	1.25	GRD	1.25	100	R615660	☐	16-077			☐	☐	☐
138.25	138.75	0.50	GRD	0.50	100	R615661	☐	16-077			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
155.14	156.26	1.12	GRD	1.12	100	R615663	☐	16-077			☐	☐	☐
156.26	156.86	0.60	GRD	0.60	100	R615664	☐	16-077			☐	☐	☐
156.86	157.77	0.91	GRD	0.91	100	R615665	☐	16-077			☐	☐	☐
175.84	176.45	0.61	GRD	0.61	100	R615666	☐	16-077			☐	☐	☐
185.74	186.46	0.72	QFP	0.72	100	R615667	☐	16-077			☐	☐	☐
186.46	186.88	0.42	QFP	0.42	100	K292779	☐	16-060	HG		☐	☐	☐
186.88	187.74	0.86	QFP	0.86	100	R615668	☐	16-080			☐	☐	☐
187.74	188.71	0.97	QFP	0.87	90	R615669	☐	16-080			☐	☐	☐
188.71	189.22	0.51	GRD	0.51	100	R615670	☐	16-080			☐	☐	☐
189.22	189.72	0.50	GRD	0.50	100	R615702	☐	16-080			☐	☐	☐
189.72	190.59	0.87	GRD	0.87	100	R615703	☐	16-080			☐	☐	☐
195.19	196.23	1.04	GRD	1.04	100	R615671	☐	16-080			☐	☐	☐
196.23	196.73	0.50	GRD	0.50	100	R615672	☐	16-080			☐	☐	☐
196.73	197.23	0.50	GRD	0.50	100	R615674	☐	16-080			☐	☐	☐
197.23	197.73	0.50	GRD	0.50	100	R615675	☐	16-080			☐	☐	☐
197.73	200.00	2.27	GRD	2.23	98	R615676	☐	16-080			☐	☐	☐
200.00	200.52	0.52	GRD	0.52	100	R615678	☐	16-080			☐	☐	☐
200.52	201.07	0.55	GRD	0.55	100	R615679	☐	16-080			☐	☐	☐
201.07	202.07	1.00	GRD	1.00	100	R615680	☐	16-080			☐	☐	☐
201.07	202.07	1.00	GRD	1.00	100	R615681	☐	16-080			☐	☐	☑
202.07	203.34	1.27	GRD	1.27	100	R615682	☐	16-080			☐	☐	☐
203.34	204.23	0.89	GRD	0.89	100	R615683	☐	16-080			☐	☐	☐
204.23	205.13	0.90	GRD	0.90	100	R615684	☐	16-080			☐	☐	☐
204.23	205.13	0.90	GRD	0.90	100	R615685	☐	16-080			☐	☑	☐
205.13	206.80	1.67	GRD	1.67	100	R615686	☐	16-080			☐	☐	☐
213.70	215.00	1.30	GRD	1.30	100	R615687	☐	16-080			☐	☐	☐
215.00	215.93	0.93	GRD	0.93	100	R615688	☐	16-080			☐	☐	☐
215.93	218.96	3.03	QFP	3.03	100	R615690	☐	16-080			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
218.96	219.46	0.50	QFP	0.50	100	R615691	☐	16-080			☐	☐	☐
219.46	220.03	0.57	QFP	0.57	100	R615692	☐	16-080			☐	☐	☐
220.03	220.71	0.68	QFP	0.68	100	R615694	☐	16-080			☐	☐	☐
227.97	228.55	0.58	QFP	0.58	100	R615695	☐	16-080			☐	☐	☐
228.55	229.05	0.50	QFP	0.50	100	R615696	☐	16-080			☐	☐	☐
229.05	229.64	0.59	QFP	0.59	100	R615697	☐	16-080			☐	☐	☐
229.64	231.88	2.24	GRD	2.24	100	R615698	☐	16-080			☐	☐	☐
231.88	232.39	0.51	GRD	0.51	100	R615699	☐	16-080			☐	☐	☐
232.39	233.23	0.84	GRD	0.71	85	R615700	☐	16-080			☐	☐	☐
233.23	234.06	0.83	GRD	0.83	100	R615701	☐	16-080			☐	☐	☐
234.06	234.56	0.50	GRD	0.50	100	R615707	☐	16-081			☐	☐	☐
245.54	246.04	0.50	GRD	0.50	100	R615708	☐	16-081			☐	☐	☐
246.04	246.54	0.50	GRD	0.50	100	R615704	☐	16-081			☐	☐	☐
246.54	247.62	1.08	GRD	1.08	100	R615705	☐	16-081			☐	☐	☐
247.62	248.12	0.50	GRD	0.50	100	R615706	☐	16-081			☐	☐	☐
257.48	258.00	0.52	GRD	0.52	100	R615709	☐	16-081			☐	☐	☐
258.00	258.69	0.69	GRD	0.69	100	R615710	☐	16-081			☐	☐	☐
258.00	258.69	0.69	GRD	0.69	100	R615711	☐	16-081			☐	☑	☐
258.69	259.31	0.62	GRD	0.62	100	R615712	☐	16-081			☐	☐	☐
259.31	260.19	0.88	GRD	0.88	100	R615713	☐	16-081			☐	☐	☐
260.19	261.19	1.00	GRD	1.00	100	R615714	☐	16-081			☐	☐	☐
261.19	263.00	1.81	GRD	1.81	100	R615715	☐	16-081			☐	☐	☐
263.00	263.50	0.50	GRD	0.50	100	R615716	☐	16-081			☐	☐	☐
263.50	264.00	0.50	GRD	0.50	100	R615717	☐	16-081			☐	☐	☐
264.00	265.46	1.46	GRD	1.46	100	R615719	☐	16-081			☐	☐	☐
265.46	266.00	0.54	GRD	0.54	100	R615720	☐	16-081			☐	☐	☐
266.00	268.70	2.70	GRD	2.70	100	R615722	☐	16-081			☐	☐	☐
268.70	269.33	0.63	GRD	0.63	100	R615723	☐	16-081			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
269.33	270.41	1.08	GRD	1.08	100	R615724	☐	16-081			☐	☐	☐
270.41	270.91	0.50	GRD	0.50	100	R615725	☐	16-081			☐	☐	☐
270.91	272.11	1.20	GRD	1.03	86	R615727	☐	16-081			☐	☐	☐
272.11	272.66	0.55	GRD	0.55	100	R615728	☐	16-081			☐	☐	☐
272.66	273.26	0.60	GRD	0.60	100	R615729	☐	16-081			☐	☐	☐
273.26	274.40	1.14	GRD	1.14	100	R615731	☐	16-081			☐	☐	☐
274.40	275.00	0.60	GRD	0.60	100	R615732	☐	16-081			☐	☐	☐
275.00	275.86	0.86	GRD	0.86	100	R615733	☐	16-081			☐	☐	☐
275.86	277.27	1.41	GRD	1.34	95	R615734	☐	16-081			☐	☐	☐
275.86	277.27	1.41	GRD	1.34	95	R615735	☐	16-081			☐	☐	☑
277.27	277.77	0.50	GRD	0.50	100	R615736	☐	16-081			☐	☐	☐
277.77	278.32	0.55	GRD	0.55	100	R615737	☐	16-081			☐	☐	☐
278.32	279.28	0.96	GRD	0.96	100	R615738	☐	16-081			☐	☐	☐
279.28	280.41	1.13	GRD	1.13	100	R615739	☐	16-081			☐	☐	☐
294.09	294.80	0.71	GRD	0.71	100	R615740	☐	16-082			☐	☐	☐
294.80	295.33	0.53	GRD	0.53	100	R615741	☐	16-082			☐	☐	☐
295.33	295.83	0.50	GRD	0.50	100	R615742	☐	16-082			☐	☐	☐
295.83	296.43	0.60	GRD	0.60	100	R615743	☐	16-082			☐	☐	☐
296.43	297.47	1.04	GRD	1.03	99	R615745	☐	16-082			☐	☐	☐
314.11	315.11	1.00	GRD	1.00	100	R615746	☐	16-082			☐	☐	☐
315.11	315.61	0.50	GRD	0.50	100	R615747	☐	16-082			☐	☐	☐
323.33	324.40	1.07	GRD	1.07	100	R615748	☐	16-082			☐	☐	☐
324.40	324.90	0.50	GRD	0.50	100	R615749	☐	16-082			☐	☐	☐
324.90	326.00	1.10	GRD	1.10	100	R615750	☐	16-082			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	24.36			☐	☐	☐	☐	
16-082	R615744	0.00	0.00	4.44	130	☐	☐	☐	☑ KL-STD1	
16-077	R616188	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-077	R616193	0.00	0.00	4.22	1310	☐	☐	☐	☑ KL-STD1	
16-077	R615658	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-077	R615662	0.00	0.00	0.34	670	☐	☐	☐	☑ KL-STD4	
16-080	R615673	0.00	0.00	0.02	40	☐	☐	☑	☐	
16-080	R615677	0.00	0.00	0.35	410	☐	☐	☐	☑ KL-STD4	
16-080	R615689	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-080	R615693	0.00	0.00	4.49	650	☐	☐	☐	☑ KL-STD1	
16-081	R615718	0.00	0.00	4.54	90	☐	☐	☐	☑ KL-STD1	
16-081	R615721	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-081	R615726	0.00	0.00	0.34	280	☐	☐	☐	☑ KL-STD4	
16-081	R615730	0.00	0.00	0.00	20	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-074	R616167	24.36	24.88	0.29	1190	☐	☐	☐	☐	
		24.88	38.23			☐	☐	☐	☐	
16-074	R616168	38.23	38.73	0.01	1260	☐	☐	☐	☐	
16-074	R616169	38.73	39.38	0.18	780	☐	☐	☐	☐	
16-074	R616170	39.38	40.18	0.01	1360	☐	☐	☐	☐	
		40.18	53.49			☐	☐	☐	☐	
16-074	R616171	53.49	54.32	0.00	1110	☐	☐	☐	☐	
16-074	R616172	54.32	54.95	0.02	1430	☐	☐	☐	☐	
16-074	R616173	54.95	57.05	0.01	1440	☐	☐	☐	☐	
16-074	R616174	57.05	57.65	0.05	1030	☐	☐	☐	☐	
16-074	R616175	57.65	59.91	0.00	1710	☐	☐	☐	☐	
16-074	R616176	57.65	59.91	0.00	1750	☐	☑	☐	☐	
16-074	R616177	59.91	61.72	0.02	1500	☐	☐	☐	☐	
16-074	R616178	61.72	62.24	15.25	740	☐	☐	☐	☐	
16-074	R616179	62.24	63.12	0.03	1490	☐	☐	☐	☐	
16-074	R616180	63.12	63.62	2.62	370	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-074	R616181	63.62	64.20	0.01	950	☐	☐	☐	☐	
16-077	R616182	64.20	64.76	0.01	1720	☐	☐	☐	☐	
16-077	R616183	64.76	65.31	0.06	1150	☐	☐	☐	☐	
16-077	R616184	65.31	67.75	0.00	2360	☐	☐	☐	☐	
16-077	R616185	67.75	69.38	0.00	2450	☐	☐	☐	☐	
		69.38	92.00			☐	☐	☐	☐	
16-077	R616186	92.00	92.59	0.55	500	☐	☐	☐	☐	
16-077	R616187	92.59	93.15	0.92	240	☐	☐	☐	☐	
16-077	R616189	93.15	93.68	0.31	480	☐	☐	☐	☐	
16-077	R616190	93.68	95.23	0.01	1450	☐	☐	☐	☐	
16-077	R616191	95.23	95.73	0.41	1190	☐	☐	☐	☐	
16-077	R616192	95.73	97.73	0.06	1580	☐	☐	☐	☐	
16-077	R616194	97.73	99.73	0.00	2870	☐	☐	☐	☐	
16-077	R616195	99.73	100.23	0.00	3450	☐	☐	☐	☐	
16-077	R616196	100.23	100.75	0.00	3750	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-077	R616197	100.75	101.64	0.00	4380	☐	☐	☐	☐	
16-077	R616198	101.64	102.14	0.01	2350	☐	☐	☐	☐	
16-077	R616199	101.64	102.14	0.01	2340	☑	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-077	R616200	123.30	124.30	0.00	1730	☐	☐	☐	☐	
16-077	R615651	124.30	124.80	0.01	9310	☐	☐	☐	☐	
16-077	R615652	124.80	125.56	0.00	1800	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-077	R615653	134.00	134.50	0.07	2230	☐	☐	☐	☐	
16-077	R615654	134.00	134.50	0.12	2290	☐	☑	☐	☐	
16-077	R615655	134.50	135.40	0.02	1860	☐	☐	☐	☐	
16-077	R615656	135.40	135.90	1.25	800	☐	☐	☐	☐	
16-077	R615657	135.90	136.50	6.41	900	☐	☐	☐	☐	
16-077	R615659	136.50	137.00	0.10	500	☐	☐	☐	☐	
16-077	R615660	137.00	138.25	0.03	1990	☐	☐	☐	☐	
16-077	R615661	138.25	138.75	1.31	910	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######			☐	☐	☐	☐	
16-077	R615663	155.14	156.26	0.03	1980	☐	☐	☐	☐	
16-077	R615664	156.26	156.86	2.53	790	☐	☐	☐	☐	
16-077	R615665	156.86	157.77	0.02	1760	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-077	R615666	175.84	176.45	0.07	1550	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-077	R615667	185.74	186.46	0.06	1000	☐	☐	☐	☐	
16-060	K292779	186.46	186.88	18.90	130	☐	☐	☐	☐	
16-080	R615668	186.88	187.74	0.00	2930	☐	☐	☐	☐	
16-080	R615669	187.74	188.71	0.12	680	☐	☐	☐	☐	
16-080	R615670	188.71	189.22	16.60	230	☐	☐	☐	☐	
16-080	R615702	189.22	189.72	0.05	1730	☐	☐	☐	☐	
16-080	R615703	189.72	190.59	0.00	2150	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-080	R615671	195.19	196.23	0.03	2120	☐	☐	☐	☐	
16-080	R615672	196.23	196.73	2.80	180	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-080	R615674	196.73	197.23	0.00	1770	☐	☐	☐	☐	
16-080	R615675	197.23	197.73	0.26	460	☐	☐	☐	☐	
16-080	R615676	197.73	200.00	0.01	1470	☐	☐	☐	☐	
16-080	R615678	200.00	200.52	0.01	1190	☐	☐	☐	☐	
16-080	R615679	200.52	201.07	0.19	760	☐	☐	☐	☐	
16-080	R615680	201.07	202.07	0.02	770	☐	☐	☐	☐	
16-080	R615681	201.07	202.07	0.03	740	☐	☑	☐	☐	
16-080	R615682	202.07	203.34	0.01	950	☐	☐	☐	☐	
16-080	R615683	203.34	204.23	0.00	700	☐	☐	☐	☐	
16-080	R615684	204.23	205.13	0.00	790	☐	☐	☐	☐	
16-080	R615685	204.23	205.13	0.00	810	☑	☐	☐	☐	
16-080	R615686	205.13	206.80	0.03	620	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-080	R615687	213.70	215.00	0.05	720	☐	☐	☐	☐	
16-080	R615688	215.00	215.93	0.40	740	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-080	R615690	215.93	218.96	0.01	750	☐	☐	☐	☐	
16-080	R615691	218.96	219.46	0.08	310	☐	☐	☐	☐	
16-080	R615692	219.46	220.03	0.00	880	☐	☐	☐	☐	
16-080	R615694	220.03	220.71	0.01	1680	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-080	R615695	227.97	228.55	0.00	990	☐	☐	☐	☐	
16-080	R615696	228.55	229.05	0.18	1050	☐	☐	☐	☐	
16-080	R615697	229.05	229.64	0.06	520	☐	☐	☐	☐	
16-080	R615698	229.64	231.88	0.00	1020	☐	☐	☐	☐	
16-080	R615699	231.88	232.39	0.11	1030	☐	☐	☐	☐	
16-080	R615700	232.39	233.23	0.09	980	☐	☐	☐	☐	
16-080	R615701	233.23	234.06	0.19	450	☐	☐	☐	☐	
16-081	R615707	234.06	234.56	1.61	150	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-081	R615708	245.54	246.04	0.00	910	☐	☐	☐	☐	
16-081	R615704	246.04	246.54	0.03	600	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-081	R615705	246.54	247.62	0.00	2570	☐	☐	☐	☐	
16-081	R615706	247.62	248.12	1.03	820	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-081	R615709	257.48	258.00	0.00	1990	☐	☐	☐	☐	
16-081	R615710	258.00	258.69	0.03	1340	☐	☐	☐	☐	
16-081	R615711	258.00	258.69	0.02	1520	☑	☐	☐	☐	
16-081	R615712	258.69	259.31	0.83	150	☐	☐	☐	☐	
16-081	R615713	259.31	260.19	0.31	210	☐	☐	☐	☐	
16-081	R615714	260.19	261.19	0.04	770	☐	☐	☐	☐	
16-081	R615715	261.19	263.00	0.20	1380	☐	☐	☐	☐	
16-081	R615716	263.00	263.50	0.13	950	☐	☐	☐	☐	
16-081	R615717	263.50	264.00	0.75	220	☐	☐	☐	☐	
16-081	R615719	264.00	265.46	0.10	970	☐	☐	☐	☐	
16-081	R615720	265.46	266.00	0.11	130	☐	☐	☐	☐	
16-081	R615722	266.00	268.70	0.02	1550	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-081	R615723	268.70	269.33	0.51	230	☐	☐	☐	☐	
16-081	R615724	269.33	270.41	0.04	1230	☐	☐	☐	☐	
16-081	R615725	270.41	270.91	0.09	860	☐	☐	☐	☐	
16-081	R615727	270.91	272.11	0.19	920	☐	☐	☐	☐	
16-081	R615728	272.11	272.66	3.11	130	☐	☐	☐	☐	
16-081	R615729	272.66	273.26	0.52	630	☐	☐	☐	☐	
16-081	R615731	273.26	274.40	0.00	760	☐	☐	☐	☐	
16-081	R615732	274.40	275.00	1.94	110	☐	☐	☐	☐	
16-081	R615733	275.00	275.86	0.70	640	☐	☐	☐	☐	
16-081	R615734	275.86	277.27	0.06	1870	☐	☐	☐	☐	
16-081	R615735	275.86	277.27	0.07	1830	☐	☑	☐	☐	
16-081	R615736	277.27	277.77	0.01	1420	☐	☐	☐	☐	
16-081	R615737	277.77	278.32	0.74	520	☐	☐	☐	☐	
16-081	R615738	278.32	279.28	0.00	1550	☐	☐	☐	☐	
16-081	R615739	279.28	280.41	0.03	930	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######			☐	☐	☐	☐	
16-082	R615740	294.09	294.80	0.01	1170	☐	☐	☐	☐	
16-082	R615741	294.80	295.33	0.00	1840	☐	☐	☐	☐	
16-082	R615742	295.33	295.83	0.33	390	☐	☐	☐	☐	
16-082	R615743	295.83	296.43	0.01	760	☐	☐	☐	☐	
16-082	R615745	296.43	297.47	0.03	1700	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-082	R615746	314.11	315.11	0.05	1100	☐	☐	☐	☐	
16-082	R615747	315.11	315.61	0.07	1270	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-082	R615748	323.33	324.40	0.01	750	☐	☐	☐	☐	
16-082	R615749	324.40	324.90	0.23	170	☐	☐	☐	☐	
16-082	R615750	324.90	326.00	0.00	2230	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
24.55	24.62	VN	37	40	NUL	1	gouged 5.5cm quartz carbonate vein hosting disseminated to blebby pyrite. Vein has oxidation throughout, and along selvedges.			
								Py	5	BL
38.08	38.58	BX	34	-	NUL	1	green propylitic/quartz feldspar porphyry dyke contact that is brecciated by smokey quartz breccia. Interval displays irregular banding between green quartz feldspar porphyry dyke and smokey quartz vein breccia. Interval hsots blebby sphalerite, disseminated to blebby pyrite, and minor galena and tourmaline.			
								Sp	1	BL
								Gn	1	BL
								Py	2	DI
54.37	54.59	VN	37	70	NUL	1	Moderately gouged phyllic to propylitic granodiorite hosting a 3cm gouged quartz vein carrying disseminated pyrite.			
								Py	1	DI
57.17	57.22	VN	37	45	NUL	1	5cm quartz vein found in gouged argillic/phyllic granodiorite. Vein hosts disseminated pyrite and blebby tourmaline.			
								Py	3	DI
								To	6	BL
61.88	62.00	VN	37	80	NUL	1	12cm quartz vein hosting semi-massive blebby pyrite, sphalerite, disseminated galena, and disseminated arsenopyrite. Mineralization occurs throughout entire vein. Carbonate veinlets found along upper selvedge of vein.			
								Sp	45	MA
								As	7	DI
								Gn	3	DI
								Py	30	MA
63.15	63.25	VN	37	70	NUL	1	10cm quartz carbonate vein hosting disseminated to blebby pyrite throughout entire vein. Vein has a fracture crusscutting it, with pyrite infill. Oxidation found within vein along fractues.			
								Py	5	DI
								Py	35	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
64.97	64.99	VN	37	75	NUL	1	2cm quartz vein hosting blebby zones honey brown sphalerite throughout, and disseminated pyrite along both selvedges of the vein.			
								Py	10	DI
								Sp	35	BL
67.86	67.94	VN	37	30	NUL	1	8cm quartz vein hosting disseminated pyrite and tourmaline. Odixation found around vein, with oxidized stringers crosscutting.			
								To	3	DI
								Py	2	DI
92.58	93.20	VN	37	-	NUL	5	Gouged zone of phyllic granodiorite along red/brown quartz feldspar porphyry dyke. Gouged zone carries 5 gouged smokey quartz veins ranging from 0.5 to 3cm, hosting disseminated pyrite and sphalerite.			
								Py	3	DI
								Sp	1	DI
95.47	95.68	VN	37	70	NUL	1	3cm Smokey quartz vein hosting blebby sphalerite. Vein transitions into a series of carbonate veinlets displaying net texture. Found within propylitic granodiorite.			
								Sp	2	BL
100.28	100.33	VN	37	70	NUL	1	Quartz vein hosting blebby tourmaline both within the vein, and around the grain within argillic/phyllic granodiorite.			
								To	50	BL
101.32	101.37	VN	37	70	NUL	1	Argillic phyllic granodiorite hosting a series of net texture carbonate veins. Displays quartz filled vugs.			
112.62	112.15	GO	34	-	NUL	1	Rubbled zone of weakly phyllic granodiorite carrying a gouged smokey quartz vein. Minerals are not visible, but may be present.			
120.72	120.75	VN	37	55	NUL	1	3cm milky quartz carbonate vein hosting disseminated pyrite and sphalerite.			
								Py	3	DI
								Sp	1	DI
121.30	121.38	VN	37	80	NUL	1	Vuggy smokey quartz carbonte vein found within phyllic granodiorite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
122.86	122.91	VN	37	40	NUL	1	Quartz vein found within propylitic altered granodiorite. Displays disseminted blebs of tourmaline and pyrite. Epidote present along vein selvedges.			
								To	6	BL
								Py	6	BL
124.30	124.72	BX	34	75	NUL	1	Zone of phyllic granodiorite brecciated by quartz carbonate veining. Carbonate veinlets intrude granodiorite throughout.			
135.90	135.95	VN	37	75	NUL	1	5cm milky to smokey quartz/carbonate vein hosting blebby to dissmeminated pyrite and sphalerite. Disseminated tourmaline found in close proximity to vein. Vein is carried by argillic/phyllic granodiorite.			
								Sp	19	BL
								Py	6	BL
136.39	136.42	VN	37	85	NUL	1	3cm Milky quartz/carbonate vein hosting blebby sphalerite and disseminated pyrite. Found within argillic/phyllic granodiorite			
								Py	15	DI
								Sp	65	BL
153.68	153.70	VN	37	80	NUL	1	2cm quartz carbonate vein hosting blebby pyrite and sphalerite. Tan ankerite found on lower selvedge of vein.			
								Sp	24	BL
								Py	16	BL
153.74	154.40	VT	37	75	NUL	4	Quartz carbonate veinlets ranging from 0.1 to 0.6cm carrying disseminated pyrite and sphalerite over ~70cm. Interval carries disseminted tourmaline throughout			
								Py	5	DI
								Sp	8	DI
156.70	165.83	VN	37	80	NUL	1	7cm quartz carbonate vein found within argillic/propylitic altered granodiorite. Vein hosts massive sphalerite with blebby pyrite around the rim of sphalerite mineralization, and minor disseminated galena. This first vein is found in close proximity to a second 4cm smokey quartz vein displaying blebby pyrite, sphalerite, and galena. Second vein is highly fractured.			
								Gn	2	BL
								Sp	80	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	8	BL
166.11	166.15	VN	37	85	NUL	1	5cm quartz carbonate vein found within a propylitic granodiorite halo. Vein hosts disseminated to blebby pyrite, sphalerite, and disseminated galena throughout.			
								Sp	2	DI
								Py	3	BL
								Sp	4	BL
								Py	6	DI
								Gn	2	DI
171.83	171.86	VN	37	80	NUL	1	3cm milky quartz vein hosting blebby sphalerite and pyrite.			
								Sp	3	BL
								Py	3	BL
176.05	176.07	VN	37	75	NUL	1	2cm milky quartz vein hosting blebby pyrite and sphalerite.			
								Py	15	BL
								Sp	9	BL
186.51	186.53	VN	37	80	NUL	1	2cm smokey quartz/carbonate vein hosting disseminated to blebby pyrite and disseminated sphalerite.			
								Py	5	DI
								Sp	9	DI
								Py	20	BL
186.66	186.94	VN	37	75	NUL	1	28cm quartz carbonate vein zone found within medium green quartz feldspar porphyry dyke. Vein hosts massive pyrite, massive black to honey brown sphalerite, disseminated arsenopyrite, and disseminated blebs of chalcopyrite and galena. Vein zone has unknown amount of zone lost to re-drill along lower selvedge.			
								Cp	1	BL
								Gn	1	BL
								Py	50	MA
								As	4	DI
								Sp	20	MA
187.90	188.00	BX	34	-	NUL	1	Smokey quartz breccia with clasts of quartz and carbonate found along lower selvedge of quartz feldspar porphyry dyke.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
188.82	188.95	VN	37	80	NUL	1	13cm smokey quartz carbonate vein found within propylitic altered granodiorite. Carbonate veining occurs in bands throughout quartz vein. Vein hosts blebby sphalerite, galena, and pyrite throughout. Vein of rhodocrosite present with blebby sphalerite and galena found along outer selvedges.			
								Sp	10	BL
								Py	45	BL
								Gn	1	BL
196.47	196.58	VN	37	85	NUL	1	11cm milky quartz vein with a carbonate vein crosscutting the centre of the vein. Vein hosts blebby pyrite, sphalerite (both black and honey brown), and blebby chalcopyrite.			
								Sp	20	BL
								Cp	4	BL
								Py	50	BL
197.57	195.62	VN	37	85	NUL	1	4.5cm milky quartz vein found within phyllic to propylitic altered granodiorite. Vein hosts blebby pyrite throughout, with blebby to disseminated sphalerite along the upper selvedge.			
								Py	70	BL
								Sp	3	BL
200.93	200.99	VN	37	70	NUL	1	6cm milky quartz vein hosting blebby pyrite, and minor disseminated galena, chalcopyrite, and sphalerite.			
								Gn	1	DI
								Cp	1	DI
								Sp	1	DI
								Py	30	BL
215.00	215.27	VN	37	50	NUL	2	Carbonate vein hosting disseminated blebs of sphalerite, leading into a smokey quartz carbonate breccia vein. Smokey quartz/carbonate vein is interfingered with green quartz feldspar porphyry dyke, with carbonate brecciating smokey quartz. Hosts disseminated pyrite.			
								Py	1	DI
								Sp	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
215.77	215.87	VN	37	40	NUL	1	Quartz vein with bands of carbonate veining along upper and lower selvedges. Carbonate brecciates both host green quartz feldspar porphyry dyke, and smokey quartz. Vein breccia hosts blebby pyrite and sphalerite.			
								Py	9	BL
								Sp	9	BL
219.11	219.42	VT	37	-	NUL	10	Medium green quartz feldspar porphyry dyke with pyrite filled stringers and veinlets throughout.			
								Py	5	DI
229.24	229.26	VN	37	80	NUL	1	2cm quartz vein within dark green quartz feldspar porphyry dyke hosting disseminated to blebby pyrite and sphalerite.			
								Py	10	BL
								Sp	6	BL
229.34	229.39	VN	37	40	NUL	1	Quartz carbonate vein hosting blebby pyrite, sphalerite. Vein is found in gradual contact between phyllic granodiorite and medium green quartz feldspar porphyry dyke.			
								Py	50	BL
								Sp	5	BL
232.89	232.92	VN	37	80	NUL	1	2cm quartz carbonate vein hosting blebby pyrite and disseminated sphalerite.			
								Sp	5	DI
								Py	65	BL
236.64	237.32	VN	37	40	NUL	7	Quartz veins within propylitic / phyllic granodiorite.			
247.95	247.99	VN	37	80	NUL	1	4cm milky quartz vein crosscutting propylitic granodiorite. Vein hosts blebby pyrite and sphalerite.			
								Sp	4	BL
								Py	6	BL
252.34	252.36	VN	37	80	NUL	1	2cm quart vein blebby pyrite.			
								Py	3	BL
258.71	258.76	VN	37	75	NUL	1	5cm quartz/ tan ankerite vein hosting blebby sphalerite, pyrite. Vein is dominantly tan ankerite, with quartz found within.			
								Sp	9	BL
								Py	5	BL
								Ak	60	PA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
258.79	260.00	VT	37	65	NUL	9	Small quartz carbonate veinlets carrying disseminated pyrite, and sporadic disseminated to blebby arsenopyrite, and disseminated sphalerite, galena.			
								Gn	0.1	DI
								As	3	BL
								Sp	1	DI
								Py	5	DI
263.62	263.68	VN	37	80	NUL	1	6cm quartz vein hosting blebby pyrite.			
								Py	3	BL
263.90	263.93	VN	37	80	NUL	1	3cm quartz vein crosscutting propylitic granodiorite. Vein hosts blebby pyrite, disseminated arsenopyrite.			
								As	10	DI
								Py	25	BL
268.88	269.02	VN	37	40	NUL	1	smokey quartz vein found within gouged phyllic/argillic granodiorite. Broken down vein zone hosts fine pyrite disseminated throughout, and blebby pyrite.			
								Py	55	DI
								Py	5	BL
272.43	272.52	VN	37	75	NUL	1	9cm quartz vein crosscutting quartz flooded phyllic granodiorite. Vein hosts semi-massive blebby pyrite, blebby galena, disseminated sphalerite, and disseminated arsenopyrite.			
								Gn	3	BL
								Py	30	BL
								As	4	DI
								Sp	7	DI
274.87	274.92	VN	37	80	NUL	1	5cm quartz vein hosting blebby pyrite, and disseminated sphalerite.			
								Sp	3	DI
								Py	75	BL
278.05	278.09	VN	37	75	NUL	1	4cm banded quartz carbonate vein hosting blebby pyrite, and disseminated sphalerite, arsenopyrite.			
								As	2	DI
								Py	20	BL
								Sp	4	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
295.60	295.75	VB	37	70	NUL	1	15cm multiphase quartz/smokey quartz/carbonate vein. Milky quartz hosting blebby to disseminated pyrite is brecciated by smokey quartz. Calcite veinlets and stringers intrude entire zone as a final fluid stage.			
								Py	6	BL
296.16	296.20	VN	37	40	NUL	1	3.5cm calcite vein crosscutting propylitic granodiorite that is highly fractured.			
309.83	309.87	VN	37	15	NUL	1	Low angle 4cm barren calcite vein.			
315.30	315.38	VN	37	60	NUL	1	Net texture carbonate/quartz vein hosting disseminated pyrite and sphalerite.			
								Sp	1	DI
								Py	1	DI
324.56	324.70	VN	37	85	NUL	1	Quartz/smokey quartz/carbonate vein displaying weak net texture. Vein hosts blebby pyrite, disseminated sphalerite.			
								Sp	1	DI
								Py	4	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382657	6887085	1277.97	117.35

ZONE: Exploration

SECTION:

HOLE: KL-16-324

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: -

Geology Logged By: J. Tarswell

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	40	-50.6	Reflex
111.86	36.5	-51.4	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.13	2.13	CAS
2.13	6.58	4.45	SIL
6.58	10.28	3.7	VOL
10.28	18.57	8.29	SIL
18.57	20.72	2.15	VOL
20.72	36.66	15.94	SIL
36.66	43.85	7.19	VOL
43.85	52.1	8.25	SIL
52.1	117.35	65.25	VOL

SAMPLES	
Numbers:	R614451 to R614511
Total:	61
Batch:	073, 075, 076
Certificates:	VA16126417, VA16126420, VA16126433

COMMENTS

Box Log

KL-16-324

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.68	4.16
2	4.16	7.05
3	7.05	10.03
4	10.03	12.83
5	12.83	15.83
6	15.83	18.66
7	18.66	21.7
8	21.7	24.78
9	24.78	27.64
10	27.64	30.74
11	30.74	33.77
12	33.77	36.44
13	36.44	39.25
14	39.25	42.18
15	42.18	44.81
16	44.81	47.94
17	47.94	50.98
18	50.98	53.98
19	53.98	56.9
20	56.9	59.94
21	59.94	63.09
22	63.09	65.78
23	65.78	68.78
24	68.78	72.05
25	72.05	74.8
26	74.8	77.8
27	77.8	80.92
28	80.92	84
29	84	87.22
30	87.22	90.02
31	90.02	92.78
32	92.78	95.52
33	95.52	98.81
34	98.81	101.77
35	101.77	104.88
36	104.88	107.49
37	107.49	109.75
38	109.75	112.33
39	112.33	115.18
40	115.18	117.35

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-324									
	13.89	12	HQ	SIL	1034.8	673.8	2.77	2.9	Oxidized siliceous dyke carrying a quartz vein that hosts disseminated pyrite.
	45.57	20.5	HQ	SIL	1627.8	1011.3	2.55	2.6	Massive milky and smokey quartz breccia with frequent calcite veins cutting breccia. Breccia is hosted in siliceous dyke.
	47.16	22	HQ	SIL	1747	1099.3	2.55	2.7	milky and smokey quartz breccia with frequent calcite veins cutting breccia. Breccia hosts blebby disseminated pyrite. Breccia is hosted in siliceous dyke.
	73	23.5	HQ	VOL	1967.1	1254.2	2.69	2.8	Medium gray volcanics with mottled black grains of biotite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	6.58	4.45	SIL	FG	Very rubbly oxidized siliceous dyke. Hosting vein zones.							
						LT	GY					
						LT	OR					
						DK	OR					
6.58	10.28	3.70	VOL	FG	black, very oxidized and rubbly unaltered to lightly altered volcanic unit.							
						LT	OR		OXI	5I		
						DK	OR					
						DK	BK					
10.28	18.57	8.29	SIL	FG	Very rubbly oxidized siliceous dyke. Hosting vein zones.							
						LT	GY					
						LT	OR		OXI	4I		
						DK	OR					
18.57	20.72	2.15	VOL	FG	Black volcanic unit. Strongly oxidized fractures. Largely unaltered. Crosscut by frequent limonite veinlets.							
						LT	OR					
						DK	BK					
20.72	36.66	15.94	SIL	FG	Rubbly, argillic and phyllic altered siliceous dyke crosscut by frequent carbonate veins. Minor sulphide veins also present.							
						LT	OR		OXI	1I		
						LT	GN		ARG	2I		
						LT	GY		PHC	2I		
36.66	43.85	7.19	VOL	FG	Largely unaltered black to dark grey volcanic unit.							
						DK	BK					
						DK	GY					
43.85	52.10	8.25	SIL	FG	Siliceous dyke hosting many calcite and other carbonate veins. Veins frequently develop into vein breccias up to 5 cm wide. Dyke is strongly argillic altered.							
						LT	WH		ARG	4I		
						LT	GY					
52.10	117.35	65.25	VOL	FG	Largely unaltered or very lightly propylitic altered dark volcanic unit. Progresses to a chilled margin texture in areas. Unit hosts carbonate on fractures and very little mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY					
						DK	BK		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.13	6.58	4.45	SIL	FG	Very rubbly oxidized siliceous dyke. Hosting vein zones.							
						LT	GY					
						DK	OR					
						LT	OR		OXI	5I		
6.58	10.28	3.70	VOL	FG	black, very oxidized and rubbly unaltered to lightly altered volcanic unit.							
						LT	OR		OXI	5I		
						DK	OR					
						DK	BK					
10.28	18.57	8.29	SIL	FG	Very rubbly oxidized siliceous dyke. Hosting vein zones.							
						LT	GY					
						LT	OR		OXI	4I		
						DK	OR					
18.57	20.72	2.15	VOL	FG	Black volcanic unit. Strongly oxidized fractures. Largely unaltered. Crosscut by frequent limonite veinlets.							
						DK	BK					
						LT	OR					
20.72	36.66	15.94	SIL	FG	Rubbly, argillic and phyllic altered siliceous dyke crosscut by frequent carbonate veins. Minor sulphide veins also present.							
						LT	OR		OXI	1I		
						LT	GN		ARG	2I		
						LT	GY		PHC	2I		
36.66	43.85	7.19	VOL	FG	Largely unaltered black to dark grey volcanic unit.							
						DK	GY					
						DK	BK					
43.85	52.10	8.25	SIL	FG	Siliceous dyke hosting many calcite and other carbonate veins. Veins frequently develop into vein breccias up to 5 cm wide. Dyke is strongly argillic altered.							
						LT	WH		ARG	4I		
						LT	GY					
52.10	117.35	65.25	VOL	FG	Largely unaltered or very lightly propylitic altered dark volcanic unit. Progresses to a chilled margin texture in areas. Unit hosts carbonate on fractures and very little mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	BK		PRO	1I		
						DK	GY					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.68	1.68	0	0	0.00	0	--	--	--	Cased
1.68	2.13	0.45	0.34	76	0.00	0	--	1H	4W	Soil
2.13	5.18	3.05	3	98	0.48	16	--	2H	4W	
5.18	8.23	3.05	2.65	87	0.69	23	--	3H	3W	
8.23	11.28	3.05	2.75	90	1.52	50	--	3H	3W	
11.28	14.33	3.05	2.98	98	0.90	30	--	3H	4W	
14.33	17.37	3.04	3.04	100	1.11	37	--	3H	4W	
17.37	20.42	3.05	3.03	99	1.96	64	--	3H	2W	
20.42	23.47	3.05	3.03	99	1.56	51	--	3H	2W	
23.47	26.52	3.05	3	98	1.91	63	--	4H	2W	
26.52	29.57	3.05	2.44	80	2.36	77	--	4H	3W	
29.57	32.61	3.04	2.98	98	1.49	49	--	4H	3W	
32.61	35.66	3.05	3.05	100	1.65	54	--	4H	2W	
35.66	38.71	3.05	3.04	100	1.15	38	--	4H	3W	
38.71	41.76	3.05	3.04	100	0.94	31	--	4H	1W	
41.76	44.81	3.05	3	98	0.62	20	--	3H	1W	
44.81	47.85	3.04	2.97	98	1.82	60	--	3H	1W	
47.85	50.90	3.05	3.01	99	1.92	63	--	4H	1W	
50.90	53.95	3.05	3.05	100	1.88	62	--	3H	1W	
53.95	57.00	3.05	3.05	100	1.60	52	--	4H	1W	
57.00	60.05	3.05	3.05	100	1.84	60	--	4H	1W	
60.05	63.09	3.04	3.03	100	2.35	77	--	4H	1W	
63.09	66.14	3.05	2.98	98	0.76	25	--	4H	1W	
66.14	69.19	3.05	3.04	100	2.11	69	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.39	78	--	4H	1W	
72.24	75.29	3.05	3.04	100	2.51	82	--	4H	1W	
75.29	78.33	3.04	3.04	100	1.89	62	--	4H	1W	
78.33	81.38	3.05	2.99	98	2.37	78	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.81	92	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	1.86	61	--	4H	1W	
87.48	90.53	3.05	3.03	99	2.56	84	--	4H	1W	
90.53	93.57	3.04	3.04	100	1.40	46	--	4H	1W	
93.57	96.62	3.05	3.04	100	1.79	59	--	4H	1W	
96.62	99.67	3.05	3	98	2.22	73	--	4H	1W	
99.67	102.72	3.05	3.03	99	2.17	71	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.36	77	--	4H	1W	
105.77	108.81	3.04	2.96	97	0.88	29	--	4H	1W	
108.81	111.86	3.05	3.03	99	0.76	25	--	4H	1W	
111.86	114.91	3.05	2.68	88	0.51	17	--	4H	1W	
114.91	117.35	2.44	2.4	98	0.00	0	--	4H	1W	EOH

Magnetic Suscepatibility

KL-16-324

Klaza Exploration Zone

Archer, Cathro & Associates (1981) Limited

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
0	0	CAS	Cased
1	0	CAS	Cased
2	1.31	CAS	
3	0.861	SIL	
4	0.184	SIL	
5	0.209	SIL	
6	0.588	SIL	
7	7.65	VOL	
8	17.2	VOL	
9	10.45	VOL	
10	9.75	VOL	
11	4.32	SIL	
12	0.671	SIL	
13	0.207	SIL	
14	0.181	SIL	
15	6.05	SIL	
16	0.246	SIL	
17	0.303	SIL	
18	0.936	SIL	
19	5.26	VOL	
20	2.16	VOL	
21	0.503	SIL	
22	0.238	SIL	
23	1.07	SIL	
24	0.477	SIL	
25	0.755	SIL	
26	0.396	SIL	
27	0.711	SIL	
28	0.204	SIL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.322	SIL	
30	0.054	SIL	
31	0.185	SIL	
32	0.542	SIL	
33	0.502	SIL	
34	0.464	SIL	
35	0.344	SIL	
36	0.383	SIL	
37	6.27	VOL	
38	11.3	VOL	
39	3.3	VOL	
40	3.01	VOL	
41	0.334	VOL	
42	1.69	VOL	
43	1.97	VOL	
44	0.242	SIL	
45	0.232	SIL	
46	0.283	SIL	
47	0.362	SIL	
48	0.332	SIL	
49	0.346	SIL	
50	0.422	SIL	
51	0.27	SIL	
52	0.457	SIL	
53	0.646	VOL	
54	0.765	VOL	
55	0.719	VOL	
56	2.26	VOL	
57	11.1	VOL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	7.36	VOL	
59	3.19	VOL	
60	0.432	VOL	
61	21.1	VOL	
62	33.2	VOL	
63	7.44	VOL	
64	9.61	VOL	
65	10.3	VOL	
66	39.4	VOL	
67	21.9	VOL	
68	16.4	VOL	
69	31.9	VOL	
70	29.7	VOL	
71	12	VOL	
72	39	VOL	
73	40.4	VOL	
74	41.4	VOL	
75	34.6	VOL	
76	24.7	VOL	
77	7.36	VOL	
78	31.2	VOL	
79	8.31	VOL	
80	37.6	VOL	
81	29	VOL	
82	13.5	VOL	
83	4.67	VOL	
84	17.5	VOL	
85	15.87	VOL	
86	14.7	VOL	
87	23.5	VOL	
88	29.5	VOL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	34.5	VOL	
90	30.9	VOL	
91	28.2	VOL	
92	32.4	VOL	
93	30.7	VOL	
94	29.4	VOL	
95	29.9	VOL	
96	34.7	VOL	
97	27.4	VOL	
98	27.5	VOL	
99	31.1	VOL	
100	25.1	VOL	
101	3.18	VOL	
102	22.1	VOL	
103	29.7	VOL	
104	28.5	VOL	
105	14.1	VOL	
106	20.7	VOL	
107	17.4	VOL	
108	19.4	VOL	
109	1.56	VOL	
110	1.17	VOL	
111	1.17	VOL	
112	1.91	VOL	
113	2.02	VOL	
114	0.214	VOL	
115	0.459	VOL	
116	0.398	VOL	
117	0.344	VOL	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614460	☐	16-073			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614470	☐	16-073			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614480	☐	16-075			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614484	☐	16-075		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614488	☐	16-075			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614499	☐	16-075		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614452	☐	16-073		KL-STD6	☐	☐	☐
1.94	2.79	0.85	CAS	0.50	59	R614451	☐	16-073			☐	☐	☐
2.79	3.53	0.74	SIL	0.56	76	R614453	☐	16-073			☐	☐	☐
3.53	4.16	0.63	SIL	0.63	100	R614454	☐	16-073			☐	☐	☐
4.16	5.00	0.84	SIL	0.84	100	R614455	☐	16-073			☐	☐	☐
5.00	6.00	1.00	SIL	1.00	100	R614456	☐	16-073			☐	☐	☐
6.00	6.50	0.50	SIL	0.50	100	R614457	☐	16-073			☐	☐	☐
6.50	7.75	1.25	SIL	0.80	64	R614458	☐	16-073			☐	☐	☐
7.75	9.65	1.90	VOL	1.80	95	R614459	☐	16-073			☐	☐	☐
9.65	10.57	0.92	VOL	0.92	100	R614461	☐	16-073			☐	☐	☐
10.57	11.58	1.01	SIL	0.97	96	R614462	☐	16-073			☐	☐	☐
11.58	12.24	0.66	SIL	0.55	83	R614463	☐	16-073			☐	☐	☐
12.24	13.29	1.05	SIL	1.00	95	R614464	☐	16-073			☐	☐	☐
13.29	13.84	0.55	SIL	0.55	100	R614465	☐	16-073			☐	☐	☐
13.29	13.84	0.55	SIL	0.55	100	R614466	☐	16-073			☐	☐	☑
13.84	14.51	0.67	SIL	0.67	100	R614467	☐	16-073			☐	☐	☐
14.51	15.58	1.07	SIL	0.97	91	R614468	☐	16-073			☐	☐	☐
15.58	16.32	0.74	SIL	0.74	100	R614469	☐	16-073			☐	☐	☐
16.32	16.83	0.51	SIL	0.50	98	R614471	☐	16-073			☐	☐	☐
16.83	17.33	0.50	SIL	0.50	100	R614472	☐	16-073			☐	☐	☐
17.33	17.83	0.50	SIL	0.50	100	R614473	☐	16-073			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
17.83	18.66	0.83	SIL	0.83	100	R614474	☐	16-073			☐	☐	☐
18.66	20.69	2.03	VOL	2.00	99	R614475	☐	16-075			☐	☐	☐
20.69	22.00	1.31	VOL	1.31	100	R614476	☐	16-075			☐	☐	☐
22.00	23.00	1.00	SIL	0.80	80	R614477	☐	16-075			☐	☐	☐
23.00	24.17	1.17	SIL	1.17	100	R614478	☐	16-075			☐	☐	☐
24.17	24.92	0.75	SIL	0.75	100	R614479	☐	16-075			☐	☐	☐
24.92	26.52	1.60	SIL	1.60	100	R614481	☐	16-075			☐	☐	☐
26.52	27.56	1.04	SIL	1.04	100	R614482	☐	16-075			☐	☐	☐
27.56	28.06	0.50	SIL	0.50	100	R614483	☐	16-075			☐	☐	☐
28.06	29.89	1.83	SIL	0.83	45	R614485	☐	16-075			☐	☐	☐
29.89	30.61	0.72	SIL	0.72	100	R614486	☐	16-075			☐	☐	☐
30.61	31.61	1.00	SIL	1.00	100	R614492	☐	16-075			☐	☐	☐
31.61	32.61	1.00	SIL	1.00	100	R614493	☐	16-075			☐	☐	☐
31.61	32.61	1.00	SIL	1.00	100	R614494	☐	16-075			☐	☑	☐
32.61	33.41	0.80	SIL	0.80	100	R614495	☐	16-075			☐	☐	☐
33.41	33.97	0.56	SIL	0.55	98	R614510	☐	16-075			☐	☐	☐
33.97	35.00	1.03	SIL	1.00	97	R614487	☐	16-075			☐	☐	☐
35.00	35.90	0.90	SIL	0.80	89	R614489	☐	16-075			☐	☐	☐
35.90	36.50	0.60	SIL	0.60	100	R614490	☐	16-075			☐	☐	☐
36.50	39.20	2.70	SIL	2.70	100	R614491	☐	16-075			☐	☐	☐
39.20	41.76	2.56	VOL	2.50	98	R614496	☐	16-075			☐	☐	☐
41.76	44.10	2.34	VOL	2.27	97	R614497	☐	16-075			☐	☐	☐
44.10	44.81	0.71	SIL	0.70	99	R614498	☐	16-075			☐	☐	☐
44.81	46.95	2.14	SIL	2.10	98	R614500	☐	16-075			☐	☐	☐
46.95	48.43	1.48	SIL	1.47	99	R614501	☐	16-075			☐	☐	☐
48.43	49.27	0.84	SIL	0.80	95	R614502	☐	16-075			☐	☐	☐
49.27	50.90	1.63	SIL	1.63	100	R614503	☐	16-075			☐	☐	☐
49.27	50.90	1.63	SIL	1.63	100	R614504	☐	16-075			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.90	52.02	1.12	SIL	1.10	98	R614505	☐	16-075			☐	☐	☐
52.02	54.30	2.28	SIL	2.28	100	R614506	☐	16-075			☐	☐	☐
54.30	55.00	0.70	VOL	0.70	100	R614507	☐	16-075			☐	☐	☐
112.50	113.63	1.13	VOL	1.00	88	R614508	☐	16-075			☐	☐	☐
113.63	114.23	0.60	VOL	0.60	100	R614509	☐	16-075			☐	☐	☐
114.23	114.91	0.68	VOL	0.60	88	R614511	☐	16-076			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	1.94			☐	☐	☐	☐	
16-073	R614452	0.00	0.00	1.77	970	☐	☐	☐	☑ KL-STD6	
16-073	R614460	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-073	R614470	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-075	R614480	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-075	R614484	0.00	0.00	0.95	750	☐	☐	☐	☑ KL-STD5	
16-075	R614488	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-075	R614499	0.00	0.00	1.78	350	☐	☐	☐	☑ KL-STD6	
16-073	R614451	1.94	2.79	0.01	1150	☐	☐	☐	☐	
16-073	R614453	2.79	3.53	0.01	110	☐	☐	☐	☐	
16-073	R614454	3.53	4.16	0.07	2050	☐	☐	☐	☐	
16-073	R614455	4.16	5.00	0.02	90	☐	☐	☐	☐	
16-073	R614456	5.00	6.00	0.01	310	☐	☐	☐	☐	
16-073	R614457	6.00	6.50	0.01	1460	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-073	R614458	6.50	7.75	0.00	1700	☐	☐	☐	☐	
16-073	R614459	7.75	9.65	0.00	1650	☐	☐	☐	☐	
16-073	R614461	9.65	10.57	0.02	1890	☐	☐	☐	☐	
16-073	R614462	10.57	11.58	0.03	2110	☐	☐	☐	☐	
16-073	R614463	11.58	12.24	0.21	60	☐	☐	☐	☐	
16-073	R614464	12.24	13.29	0.27	2690	☐	☐	☐	☐	
16-073	R614465	13.29	13.84	0.43	2180	☐	☐	☐	☐	
16-073	R614466	13.29	13.84	0.43	2170	☐	☑	☐	☐	
16-073	R614467	13.84	14.51	0.47	410	☐	☐	☐	☐	
16-073	R614468	14.51	15.58	0.03	1570	☐	☐	☐	☐	
16-073	R614469	15.58	16.32	0.05	1090	☐	☐	☐	☐	
16-073	R614471	16.32	16.83	0.05	590	☐	☐	☐	☐	
16-073	R614472	16.83	17.33	0.07	50	☐	☐	☐	☐	
16-073	R614473	17.33	17.83	0.05	110	☐	☐	☐	☐	
16-073	R614474	17.83	18.66	0.08	1300	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-075	R614475	18.66	20.69	0.04	1420	☐	☐	☐	☐	
16-075	R614476	20.69	22.00	0.04	700	☐	☐	☐	☐	
16-075	R614477	22.00	23.00	0.07	810	☐	☐	☐	☐	
16-075	R614478	23.00	24.17	0.08	1080	☐	☐	☐	☐	
16-075	R614479	24.17	24.92	0.08	1090	☐	☐	☐	☐	
16-075	R614481	24.92	26.52	0.16	770	☐	☐	☐	☐	
16-075	R614482	26.52	27.56	0.09	960	☐	☐	☐	☐	
16-075	R614483	27.56	28.06	0.03	450	☐	☐	☐	☐	
16-075	R614485	28.06	29.89	0.13	340	☐	☐	☐	☐	
16-075	R614486	29.89	30.61	3.78	210	☐	☐	☐	☐	
16-075	R614492	30.61	31.61	0.15	1250	☐	☐	☐	☐	
16-075	R614493	31.61	32.61	0.10	1750	☐	☐	☐	☐	
16-075	R614494	31.61	32.61	0.09	1660	☑	☐	☐	☐	
16-075	R614495	32.61	33.41	0.12	1560	☐	☐	☐	☐	
16-075	R614510	33.41	33.97	0.08	1710	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-075	R614487	33.97	35.00	0.19	1090	☐	☐	☐	☐	
16-075	R614489	35.00	35.90	0.07	1610	☐	☐	☐	☐	
16-075	R614490	35.90	36.50	0.02	1610	☐	☐	☐	☐	
16-075	R614491	36.50	39.20	0.01	1560	☐	☐	☐	☐	
16-075	R614496	39.20	41.76	0.04	1750	☐	☐	☐	☐	
16-075	R614497	41.76	44.10	0.04	1790	☐	☐	☐	☐	
16-075	R614498	44.10	44.81	0.06	1610	☐	☐	☐	☐	
16-075	R614500	44.81	46.95	0.07	60	☐	☐	☐	☐	
16-075	R614501	46.95	48.43	0.03	50	☐	☐	☐	☐	
16-075	R614502	48.43	49.27	0.04	60	☐	☐	☐	☐	
16-075	R614503	49.27	50.90	0.04	1130	☐	☐	☐	☐	
16-075	R614504	49.27	50.90	0.02	1120	☐	☑	☐	☐	
16-075	R614505	50.90	52.02	0.01	1330	☐	☐	☐	☐	
16-075	R614506	52.02	54.30	0.09	1270	☐	☐	☐	☐	
16-075	R614507	54.30	55.00	0.02	1010	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		55.00	######			☐	☐	☐	☐	
16-075	R614508	112.50	113.63	0.08	1780	☐	☐	☐	☐	
16-075	R614509	113.63	114.23	0.04	1520	☐	☐	☐	☐	
16-076	R614511	114.23	114.91	0.01	1510	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
3.13	4.13	VB	37	-	NUL	2	smokey quartz breccia. Very rubbly. Strongly oxidized. Breccia hosts a fine grained silver sulphide mineral disseminated throughout.			
								Un	0.5	DI
9.80	9.93	VN	37	70	NUL	1	Milky/clear quartz vein with very strong hematite on selvages.			
								He	20	BL
14.33	14.53	VN	37	-	NUL	1	extremely oxidized and rubbly quartz vein hosting strong hematite and blebby pyrite.			
								Py	1	BL
								He	2	BL
16.37	16.87	VN	37	65	NUL	1	Swirling milky quartz vein hosting blebby pyrite. Smokey quartz clasts hosted in milky quartz.			
								Py	1	BL
22.37	22.41	VB	37	55	NUL	1	Clear and smokey quartz breccia hosting blebby galena and disseminated pyrite. Siliceous dyke makes up breccia clasts.			
								Py	2	BL
								Gn	2	BL
24.21	25.13	VN	37	70	NUL	3	swirling smokey and milky quartz veins 4-8 cm wide hosting pervasive disseminated pyrite. Some vuggy areas to veins.			
								Py	10	DI
26.58	26.62	VB	37	60	NUL	1	Calcite breccia vein.			
								Ca	100	MA
28.05	31.22	VN	37	-	NUL	20	Very frequent, stacked ankerite and other carbonate veins hosting blebby sphalerite and pervasive disseminated pyrite. Pyrite stringers also present in zone.			
								Py	5	DI
								Sp	1	BL
32.61	35.86	VN	37	-	NUL	15	Very frequent, stacked ankerite and other carbonate veins hosting blebby sphalerite and pervasive disseminated pyrite. Pyrite stringers also present in zone.			
								Sp	1	BL
								Py	1	DI
								Py	4	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
44.81	49.20	BX	34	-	NUL	1	Massive milky and smokey quartz breccia with frequent calcite veins cutting breccia. Breccia hosts blebby disseminated pyrite and rarely a very fine-grained silver sulphide. Breccia is hosted in siliceous dyke.			
								Py	1	DI
								Un	0.1	DI
114.00	114.10	VN	37	-	NUL	1	Rubbled milky quartz vein hosting blebby chalcopyrite and pyrite.			
								Cp	3	BL
								Py	3	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383053	6889908	1381.27	149

ZONE: Eastern Klaza

SECTION:

HOLE: KL-16-325

CLAIM: Klaza 20

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: -

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
14	34.6	-47.2	Reflex
149	34.4	-48	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.13	1.13	CAS
1.13	5	3.87	OVB
5	21.3	16.3	GRD
21.3	28.41	7.11	GRD
28.41	29.04	0.63	QFP
29.04	35.54	6.5	GRD
35.54	48.55	13.01	GRD
48.55	74	25.45	GRD
74	75.63	1.63	GRD
75.63	83	7.37	GRD
83	88.83	5.83	GRD
88.83	92.58	3.75	VEN
92.58	92.69	0.11	GRD
92.69	94.05	1.36	VEN
94.05	101.58	7.53	GRD
101.58	128.68	27.1	GRD

SAMPLES	
Numbers:	K292785 to K292793, R614751 to R614777, R615751 to R615800
Total:	86
Batch:	060, 082, 085, 087
Certificates:	VA16126466, VA16126468, VA16126470, VA16127969

COMMENTS

128.68	130.15	1.47	VEN
130.15	142.87	12.72	GRD
142.87	149	6.13	GRD

Box Log

KL-16-325

Klaza

stern Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.13	4.39
2	4.39	7.55
3	7.55	10.77
4	10.77	13.81
5	13.81	16.41
6	16.41	19.51
7	19.51	22.81
8	22.81	25.73
9	25.73	28.72
10	28.72	31.8
11	31.8	34.53
12	34.53	37.44
13	37.44	40.15
14	40.15	42.95
15	42.95	45.6
16	45.6	48.44
17	48.44	51.56
18	51.56	54.26
19	54.26	57.27
20	57.27	60.26
21	60.26	63.16
22	63.16	66.06
23	66.06	69.05
24	69.05	71.88
25	71.88	74.63
26	74.63	77.45
27	77.45	80.44
28	80.44	83.5
29	83.5	86.4
30	86.4	89.44
31	89.44	92.43
32	92.43	95.51
33	95.51	98.57
34	98.57	101.6
35	101.6	104.61
36	104.61	107.24
37	107.24	110.4
38	110.4	113.31
39	113.31	116.16
40	116.16	119.07
41	119.07	122.17
42	122.17	125
43	125	128
44	128	130.95
45	130.95	134
46	134	136.81
47	136.81	139.93
48	139.93	142.61
49	142.61	145.54
50	145.54	148.4
51	148.4	149

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-325									
	19.31	18	HQ	GRD	1730.5	1136.7	3.08	2.9	9cm smokey quartz carbonate vein found within a propylitic/phyllic granodiorite halo. Carbonate brecciates smokey quartz, which hosts disseminated to blebby pyrite, disseminated galena, sphalerite, and possible arsenopyrite (?). Weak oxidation staining found throughout breccia vein.
	21.45	19	HQ	GRD	1560.7	970.5	2.64	2.6	Propylitic granodiorite with oxidation along fractures.
	48.31	13	HQ	GRD	1185.9	785.3	2.93	3.0	Quartz carbonate vein found within argillic/phyllic granodiorite. Blebby to disseminated pyrite, disseminated galena, and disseminated to blebby sphalerite are found within quarttz veining, with zoned carbonate veining found along the upper quartz selvedge. Brecciation is also seen, along the upper selvedge of the carbonate veining by black breccia (roughly 2cm).
	99.04	22	HQ	GRD	2206.3	1503.6	3.22	3.1	13cm milky quartz/smokey quartz carbonate vein found within argillic/propylitic altered granodiorite. Vein hosts blebby to disseminated pyrite throughout. Carbonate veining brecciates quartz.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	129.86	17	HQ	VEN	1886.1	1341.6	3.56	3.5	Part of 1.47m vein zone found within phyllic to propylitic altered granodiorite. Vein zone displays patchy weak oxidation along both joint and fracture planes, as well as within sporadic stringers. Zone dominantly consists of milky quartz veining with intermittent smokey quartz and carbonate pulses throughout (smokey quartz veining occurs in a net texture within milky quartz veins). Patches of phyllic/propylitic granodiorite up to 5cm long between veins. Zone hosts blebby pyrite, chalcopyrite, sphalerite, disseminated galena, arsenopyrite, and possibly fine grained disseminated jamesonite (needle like, fine grained, silver. Might be arsenopyrite).

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.13	5.00	3.87	OVB	MG	Overburden and organics, as well as small amounts of weathered granodiorite.							
						MD	BR	RB	OXI	3I		
						LT	BR	FR				
						LT	OR					
5.00	21.30	16.30	GRD	MG	Weak to moderately argillic altered granodiorite with oxidation found in large patches throuhgout. Argillic granodiorite displays weak phyllic and propylitic alteration towards the end of the zone. Zone is highly fractured throughout.							
						MD	OR	FR	OXI	4I		
						LT	OR	PA	OXI	3I		
						LT	GN		OXI	2I		
									ARG	2I		
									ARG	3I		
									PHC	2I		
									PHC	1I		
21.30	28.41	7.11	GRD	MG	Granodiorite alternating between unaltered granodiorite and propylitic to argillic/propylitic granodiorite. Oxidation occurs in patches throughout, in moderate to strong intensity.							
						MD	GN	FR	PRO	2I		
						MD	OR		PRO	3I		
						MD	WH		OXI	3I		
						LT	GN	PA	PHC	2I		
						LT	OR		OXI	2I		
									OXI	4I		
									ARG	2I		
28.41	29.04	0.63	QFP	FG	Fine grained green quartz feldspar porphyry dyke with black clasts.							
						MD	GN	PO				
29.04	35.54	6.50	GRD	MG	Unaltered granodiorite with patchy moderate oxidation. Contains a small zone of propylitic to phyllic alteration. Fractured throughout.							
						MD	GN	FR	PHC	2I		
						MD	OR		PRO	3I		
						LT	GN	PA	PRO	2I		
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
35.54	48.55	13.01	GRD	MG	Alternating weak to moderate propylitic to phyllic altered granodiorite. Interval is highly fractured, and displays strong pervasive oxidation along fractures throughout.							
						MD	OR	RB	PRO	2I		
						MD	GN	PA	OXI	2I		
						LT	GN	FR	OXI	3I		
						LT	OR		PHC	2I		
48.55	74.00	25.45	GRD	MG	Alternating intervals of unaltered granodioriote, weak propylitic alteration, moderate phyllic altereation, and moderate to strong argillic oxidation with strong patchy potassic overprinting. Interval displays weak oxidatio along fracture and joint faces. Quartz to quartz carbonate veins present sporadically throughout.							
						MD	GN	FR	PHC	3I	Sp	1
						MD	WH		POT	3I		
						LT	GN	PA	PHC	2I	Py	1
						LT	WH		POT	4I		
						LT	OR		PRO	2I	Gn	1
						DK	PK		PRO	3I	As	1
									ARG	2I		
									ARG	3I		
									OXI	2I		
									OXI	3I		
74.00	75.63	1.63	GRD	MG	Argillic granodiorite that has been severely fractured and is rubbly. Could be a potential fault zone. Argillic granodiorite has an earthy brown colour.							
						MD	BR	RB				
						LT	BR	FR	ARG	3I		
75.63	83.00	7.37	GRD	MG	Ulantered granodiorite alternating with weak phyllic to propylitic alteration. Minor quartz flooding found throughout. Quartz/carbonate veins present with no significant mineralization.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		
83.00	88.83	5.83	GRD	MG	Weak to moderately argillic/phyllic altered granodiorite alternating with small patches of argillic/propylitic alteartion.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.83	92.58	3.75	VEN	--	Large 3.75m vein zone (Lower Klaza Splay?). Vein zone is a series of smokey quartz/carbonate breccia veins found within argillic/propylitic to argillic/phyllic granodiorite. Zone is consists dominantly of smokey quartz carbonate veins throughout, with small patches (up to 6cm) of granodiorite between that host stringers and disseminated mineralization. Hosts blebby to disseminated pyrite, blebby sphalerite, blebby galena, blebby to disseminated arsenopyrite, and possible fine grained disseminated jamesonite. Multiple phases are displayed, with quartz veining intruded by smokey quartz, which is in turn all brecciated by carbonate veining. Occasional vug texture found within carbonate.							
								VU			Sp	3
								FR			As	3
											Py	2
											Py	5
											Jm	0.5
											Gn	1.5
92.58	92.69	0.11	GRD	MG	Moderately phyllic altered grandiorite transitioning into pervasively oxidized and moderately gouged granodiorite. Clay and gouge present throughout.							
						LT	GN	PA	PHC	3I		
						LT	OR	FR	OXI	2I		
						LT	BR		OXI	3I		
92.69	94.05	1.36	VEN	MG	Quartz flooded vein zone of slightly gouged propylitic altered granodiorite. 1.45m vein zone displays patchy oxidization, and gouge alteration. Carries disseminated to blebby pyrite throughout, found proximal to quartz flooding.							
									OXI	2I	Py	3
									SIL	3I	Py	4
									PRO	2I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.05	101.58	7.53	GRD	MG	Moderate to strong phyllic altered granodiorite with minor quartz flooding. Interval contains patches of weakly gouged phyllic granodiorite. Gouged granodiorite has a quartz vein along its upper selvedge, and has small quartz/pyrite stringers within. More competent granodiorite carries two significant veins, along with smaller quartz/minor sulfide veins throughout. Small patch of gouged and oxidized granodiorite present.							
						LT	GN	PA	PHC	3I	Py	1
						LT	OR	FR	PHC	4I	Py	1
									OXI	2I		
									SIL	3I		
101.58	128.68	27.10	GRD	MG	Recurring patches of highly fractured and broken down trace argillic granodiorite with weak propylitic overprinting (looks similar to staining) transitioning into patchy weak phyllic, argillic/potassic altertion. Small patches of weakly oxidized and highly fractured propylitic granodiorite present.							
						MD	GN	FR	PRO	3I		
						MD	WH		PHC	3I		
						MD	PK		POT	2I		
						LT	GN	PA	PRO	2I		
						LT	PK		ARG	2I		
						DK	GN	RB	PHC	2I		
									POT	3I		
128.68	130.15	1.47	VEN	MG	1.47m vein zone found within phyllic to propylitic altered granodiorite. Vein zone displays patchy weak oxidation along both joint and fracture planes, as well as within sporadic stringers. Zone dominantly consists of milky quartz veining with intermittent smokey quartz and carbonate pulses throughout (smokey quartz veining occurs in a net texture within milky quartz veins). Patches of phyllic/propylitic granodiorite up to 5cm long between veins. Zone hosts blebby pyrite, chalcopyrite,							
						LT	GN	MA				
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
130.15	142.87	12.72	GRD	MG	Granodiorite alternating between unaltered, weakly propylitic, argillic with weak propylitic overprinting, and phyllic altered granodiorite. Patchy weak potassic overprinting present.							
						MD	GN		ARG	2I		
						MD	WH		PHC	2I		
						LT	PK	PA	PRO	2I		
						LT	GN		POT	2I		
						DK	GN		PRO	3I		
142.87	149.00	6.13	GRD	MG	Quartz flooded propylitic to unaltered granodiorite with a small phyllic halo found within. Small fractured and rubbly zone present.							
						MD	GN	PA	PRO	2I		
						LT	GN	FR	PRO	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.13	5.00	3.87	OVB	MG	Overburden and organics, as well as small amounts of weathered granodiorite.							
						LT	OR					
						MD	BR	RB	OXI	3I		
						LT	BR	FR				
5.00	21.30	16.30	GRD	MG	Weak to moderately argillic altered granodiorite with oxidation found in large patches throuhgout. Argillic granodiorite displays weak phyllic and propylitic alteration towards the end of the zone. Zone is highly fractured throughout.							
									ARG	3I		
						LT	OR	PA	OXI	3I		
						MD	OR	FR	OXI	4I		
						LT	GN		OXI	2I		
									PHC	1I		
									PHC	2I		
									ARG	2I		
21.30	28.41	7.11	GRD	MG	Granodiorite alternating between unaltered granodiorite and propylitic to argillic/propylitic granodiorite. Oxidation occurs in patches throughout, in moderate to strong intensity. Sporadic quartz carbonate veins throughout.							
						MD	GN	FR	PRO	2I	Sp	1
						MD	OR		PRO	3I		
						LT	OR		OXI	2I		
						MD	WH		OXI	3I		
									OXI	4I		
									ARG	2I		
						LT	GN	PA	PHC	2I	Py	1
28.41	29.04	0.63	QFP	FG	Fine grained green quartz feldspar porphyry dyke with black clasts.							
						MD	GN	PO				
29.04	35.54	6.50	GRD	MG	Unaltered granodiorite with patchy moderate oxidation. Contains a small zone of propylitic to phyllic alteration. Fractured throughout.							
						MD	OR		PRO	3I		
						MD	GN	FR	PHC	2I		
						LT	OR					
						LT	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
35.54	48.55	13.01	GRD	MG	Alternating weak to moderate propylitic to phyllic altered granodiorite. Interval is highly fractured, and displays strong pervasive oxidation along fractures throughout.							
						MD	GN	PA	OXI	2I		
						LT	GN	FR	OXI	3I		
						MD	OR	RB	PRO	2I		
						LT	OR		PHC	2I		
48.55	74.00	25.45	GRD	MG	Alternating intervals of unaltered granodioriote, weak propylitic alteration, moderate phyllic altereation, and moderate to strong argillic oxidation with strong patchy potassic overprinting. Interval displays weak oxidatio along fracture and joint faces. Quartz to quartz carbonate veins present sporadically throughout.							
						LT	WH		POT	4I		
						MD	WH		POT	3I		
									ARG	2I		
									OXI	3I		
									OXI	2I		
						LT	OR		PRO	2I	Gn	1
						DK	PK		PRO	3I	As	1
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Sp	1
									ARG	3I		
74.00	75.63	1.63	GRD	MG	Argillic granodiorite that has been severely fractured and is rubbly. Could be a potential fault zone. Argillic granodiorite has an earthy brown colour.							
						LT	BR	FR	ARG	3I		
						MD	BR	RB				
75.63	83.00	7.37	GRD	MG	Ulantered granodiorite alternating with weak phyllic to propylitic alteration. Minor quartz flooding found throughout. Quartz/carbonate veins present with no significant mineralization.							
						LT	GN	PA	PHC	2I		
						MD	GN		PRO	2I		
83.00	88.83	5.83	GRD	MG	Weak to moderately argillic/phyllic altered granodiorite alternating with small patches of argillic/propylitic alteartion.							
						LT	GN	PA	PHC	2I	Sp	0.1
						MD	GN		PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.83	92.58	3.75	VEN	--	Large 3.75m vein zone (Lower Klaza Splay?). Vein zone is a series of smokey quartz/carbonate breccia veins found within argillic/propylitic to argillic/phyllic granodiorite. Zone is consists dominantly of smokey quartz carbonate veins throughout, with small patches (up to 6cm) of granodiorite between that host stringers and disseminated mineralization. Hosts blebby to disseminated pyrite, blebby sphalerite, blebby galena, blebby to disseminated arsenopyrite, and possible fine grained disseminated jamesonite. Multiple phases are displayed, with quartz veining intruded by smokey quartz, which is in turn all brecciated by carbonate veining. Occasional vug texture found within carbonate.							
											Jm	0.5
											Py	2
								VU			Sp	3
								FR			As	3
											Gn	1.5
											Py	5
92.58	92.69	0.11	GRD	MG	Moderately phyllic altered grandiorite transitioning into pervasively oxidized and moderately gouged granodiorite. Clay and gouge present throughout.							
						LT	GN	NE	PHC	3I		
						LT	OR	VU	OXI	2I		
						LT	BR	PA	OXI	3I		
								FR				
92.69	94.05	1.36	VEN	MG	Quartz flooded vein zone of slightly gouged propylitic altered granodiorite. 1.45m vein zone displays patchy oxidization, and gouge alteration. Carries disseminated to blebby pyrite throughout, found proximal to quartz flooding.							
									PRO	3I		
									OXI	2I	Py	3
									SIL	3I	Py	4
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.05	101.58	7.53	GRD	MG	Moderate to strong phyllic altered granodiorite with minor quartz flooding. Interval contains patches of weakly gouged phyllic granodiorite. Gouged granodiorite has a quartz vein along its upper selvedge, and has small quartz/pyrite stringers within. More competent granodiorite carries two significant veins, along with smaller quartz/minor sulfide veins throughout. Small patch of gouged and oxidized granodiorite present.							
						LT	OR	FR	PHC	4I	Py	1
									SIL	3I		
									OXI	2I		
						LT	GN	PA	PHC	3I	Py	1
101.58	128.68	27.10	GRD	MG	Recurring patches of highly fractured and broken down trace argillic granodiorite with weak propylitic overprinting (looks similar to staining) transitioning into patchy weak phyllic, argillic/potassic altertion. Small patches of weakly oxidized and highly fractured propylitic granodiorite present. Interval							
						LT	GN	PA	PRO	2I		
									POT	3I		
						MD	PK		POT	2I		
						LT	PK		ARG	2I		
						MD	WH		PHC	3I		
						MD	GN	FR	PRO	3I		
						DK	GN	RB	PHC	2I		
128.68	130.15	1.47	VEN	MG	1.47m vein zone found within phyllic to propylitic altered granodiorite. Vein zone displays patchy weak oxidation along both joint and fracture planes, as well as within sporadic stringers. Zone dominantly consists of milky quartz veining with intermittent smokey quartz and carbonate pulses throughout (smokey quartz veining occurs in a net texture within milky quartz veins). Patches of phyllic/propylitic granodiorite up to 5cm long between veins. Zone hosts blebby pyrite, chalcopyrite,							
						LT	GN	MA				
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
130.15	142.87	12.72	GRD	MG	Granodiorite alternating between unaltered, weakly propylitic, argillic with weak propylitic overprinting, and phyllic altered granodiorite. Patchy weak potassic overprinting present.							
						MD	WH		PHC	2I		
						LT	PK	PA	PRO	2I		
						DK	GN		PRO	3I		
						MD	GN		ARG	2I		
						LT	GN		POT	2I		
142.87	149.00	6.13	GRD	MG	Quartz flooded propylitic to unaltered granodiorite with a small phyllic halo found within. Small fractured and rubbly zone present.							
						LT	GN	FR	PRO	3I		
						MD	GN	PA	PRO	2I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.13	1.13	0	0	0.00	0	--	--	--	Casing
1.13	5.00	3.87	0	0	0.00	0	--	--	--	No 2m measure block, inaccurate measurements.
5.00	8.00	3.00	2.85	95	1.84	61	--	3H	3W	
8.00	11.00	3.00	2.82	94	1.68	56	--	3H	3W	
11.00	14.00	3.00	2.71	90	1.32	44	--	3H	4W	
14.00	17.00	3.00	2.79	93	1.22	41	--	3H	3W	
17.00	20.00	3.00	2.92	97	1.91	64	--	4H	3W	
20.00	23.00	3.00	2.86	95	1.61	54	--	4H	3W	
23.00	26.00	3.00	2.89	96	1.23	41	--	4H	3W	
26.00	29.00	3.00	2.92	97	1.59	53	--	4H	2W	
29.00	32.00	3.00	2.87	96	1.78	59	--	4H	2W	
32.00	35.00	3.00	2.79	93	0.56	19	--	3H	3W	
35.00	38.00	3.00	2.86	95	0.46	15	--	3H	2W	
38.00	41.00	3.00	2.89	96	0.65	22	--	3H	2W	
41.00	44.00	3.00	2.91	97	0.32	11	--	3H	3W	
44.00	47.00	3.00	2.9	97	0.87	29	--	3H	2W	
47.00	50.00	3.00	2.91	97	1.69	56	--	4H	2W	
50.00	53.00	3.00	2.99	100	1.68	56	--	3H	2W	
53.00	56.00	3.00	2.93	98	1.53	51	--	4H	2W	
56.00	59.00	3.00	2.85	95	1.54	51	--	4H	2W	
59.00	62.00	3.00	2.83	94	1.51	50	--	4H	2W	
62.00	65.00	3.00	2.89	96	2.23	74	--	4H	2W	
65.00	68.00	3.00	2.63	88	0.57	19	--	4H	2W	
68.00	71.00	3.00	2.93	98	1.53	51	--	3H	2W	
71.00	74.00	3.00	2.6	87	0.13	4	--	2H	3W	
74.00	77.00	3.00	2.71	90	0.58	19	--	2H	3W	
77.00	80.00	3.00	2.94	98	1.36	45	--	4H	3W	
80.00	83.00	3.00	2.94	98	1.89	63	--	4H	2W	
83.00	86.00	3.00	2.94	98	1.48	49	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.77	92	1.36	45	--	4H	2W	
89.00	92.00	3.00	2.6	87	0.77	26	--	3H	2W	
92.00	95.00	3.00	2.99	100	1.25	42	--	3H	3W	
95.00	98.00	3.00	2.95	98	1.59	53	--	4H	2W	
98.00	101.00	3.00	2.82	94	0.93	31	--	3H	2W	
101.00	104.00	3.00	2.97	99	0.41	14	--	3H	2W	
104.00	107.00	3.00	2.74	91	0.44	15	--	3H	2W	
107.00	110.00	3.00	3	100	2.06	69	--	3H	2W	
110.00	113.00	3.00	2.84	95	1.27	42	--	2H	2W	
113.00	116.00	3.00	2.84	95	0.74	25	--	3H	2W	
116.00	119.00	3.00	2.95	98	1.51	50	--	3H	2W	
119.00	122.00	3.00	2.85	95	1.57	52	--	3H	2W	
122.00	125.00	3.00	2.83	94	1.01	34	--	3H	2W	
125.00	128.00	3.00	2.96	99	1.69	56	--	3H	2W	
128.00	131.00	3.00	2.97	99	1.07	36	--	3H	2W	
131.00	134.00	3.00	2.8	93	1.62	54	--	4H	2W	
134.00	137.00	3.00	2.86	95	1.10	37	--	3H	2W	
137.00	140.00	3.00	2.76	92	1.15	38	--	3H	2W	
140.00	143.00	3.00	2.87	96	1.01	34	--	3H	2W	
143.00	146.00	3.00	2.97	99	2.05	68	--	3H	2W	
146.00	149.00	3.00	2.8	93	1.25	42	--	3H	2W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	cased
2	0.513	OVB	
3	16	OVB	
4	4.46	OVB	
5	0.213	OVB	
5	0.213	GRD	
6	0.48	GRD	
7	0.264	GRD	
8	0.167	GRD	
9	0.273	GRD	
10	0.435	GRD	
11	0.725	GRD	
12	0.163	GRD	
13	0.379	GRD	
14	0.29	GRD	
15	1.21	GRD	
16	0.683	GRD	
17	20.6	GRD	
18	1.29	GRD	
19	0.32	GRD	
20	0.267	GRD	
21	10.1	GRD	
22	23.8	GRD	
23	1.33	GRD	
24	0.642	GRD	
25	0.826	GRD	
26	1.3	GRD	
27	2.48	GRD	
28	1.07	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	0.631	QFP	
30	17.3	GRD	
31	30.5	GRD	
32	0.574	GRD	
33	22.3	GRD	
34	2.25	GRD	
35	5.49	GRD	
36	1.2	GRD	
37	0.681	GRD	
38	1.54	GRD	
39	0.743	GRD	
40	0.325	GRD	
41	0.4	GRD	
42	1.6	GRD	
43	0.656	GRD	
44	19.7	GRD	
45	0.776	GRD	
46	0.567	GRD	
47	17.6	GRD	
48	0.261	GRD	
49	6.6	GRD	
50	0.515	GRD	
51	19.2	GRD	
52	9.58	GRD	
53	31.1	GRD	
54	14.4	GRD	
55	0.994	GRD	
56	0.39	GRD	
57	12.2	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	35.5	GRD	
59	36.1	GRD	
60	1.09	GRD	
61	1.15	GRD	
62	0.948	GRD	
63	0.64	GRD	
64	0.624	GRD	
65	0.654	GRD	
66	0.247	GRD	
67	0.537	GRD	
68	0.369	GRD	
69	0.419	GRD	
70	0.58	GRD	
71	0.477	GRD	
72	0.643	GRD	
73	0.571	GRD	
74	0.946	GRD	
74	0.946	GRD	
75	4.04	GRD	
76	26.3	GRD	
77	32.8	GRD	
78	13.65	GRD	
79	8.08	GRD	
80	0.867	GRD	
81	5.31	GRD	
82	3.21	GRD	
83	10.6	GRD	
83	10.6	GRD	
84	0.85	GRD	
85	0.786	GRD	
86	0.556	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
87	0.75	GRD	
88	0.551	GRD	
89	0.015	VEN	
90	0.021	VEN	
91	0.19	VEN	
92	0.419	VEN	
93	0.184	VEN	
94	0.239	VEN	
95	0.393	GRD	
96	0.665	GRD	
97	0.344	GRD	
98	0.537	GRD	
99	0.366	GRD	
100	0.373	GRD	
101	0.485	GRD	
102	0.698	GRD	
103	0.828	GRD	
104	0.413	GRD	
105	0.635	GRD	
106	0.435	GRD	
107	0.285	GRD	
108	1.056	GRD	
109	0.616	GRD	
110	0.356	GRD	
111	0.208	GRD	
112	0.343	GRD	
113	0.267	GRD	
114	0.419	GRD	
115	8.001	GRD	
116	5.145	GRD	
117	7.222	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
118	0.401	GRD	
119	1.386	GRD	
120	0.406	GRD	
121	0.38	GRD	
122	0.687	GRD	
123	0.995	GRD	
124	11.27	GRD	
125	0.37	GRD	
126	1.146	GRD	
127	5.652	GRD	
128	0.545	GRD	
129	0.236	VEN	
130	0.185	VEN	
131	0.492	GRD	
132	0.737	GRD	
133	38.68	GRD	
134	15.04	GRD	
135	0.482	GRD	
136	20.68	GRD	
137	2.283	GRD	
138	1.576	GRD	
139	0.429	GRD	
140	0.495	GRD	
141	0.346	GRD	
142	0.123	GRD	
143	0.702	GRD	
144	0.448	GRD	
145	0.307	GRD	
146	2.505	GRD	
147	46.8	GRD	
148	23.04	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
149	11.16	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614752	☐	16-085		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614767	☐	16-087		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615752	☐	16-082		KL-STD3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615768	☐	16-082			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615773	☐	16-082			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615781	☐	16-085			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615784	☐	16-085		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615792	☐	16-085			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292786	☐	16-060	HG	KL-STD6	☐	☐	☐
11.00	12.00	1.00	GRD	1.00	100	R615751	☐	16-082			☐	☐	☐
12.00	12.52	0.52	GRD	0.52	100	R615753	☐	16-082			☐	☐	☐
12.52	13.16	0.64	GRD	0.64	100	R615754	☐	16-082			☐	☐	☐
13.16	13.81	0.65	GRD	0.65	100	R615755	☐	16-082			☐	☐	☐
13.81	14.60	0.79	GRD	0.74	94	R615756	☐	16-082			☐	☐	☐
13.81	14.60	0.79	GRD	0.74	94	R615757	☐	16-082			☐	☑	☐
14.60	15.32	0.72	GRD	0.72	100	R615758	☐	16-082			☐	☐	☐
15.32	17.00	1.68	GRD	1.68	100	R615759	☐	16-082			☐	☐	☐
17.00	19.08	2.08	GRD	2.08	100	R615760	☐	16-082			☐	☐	☐
19.08	19.58	0.50	GRD	0.50	100	R615761	☐	16-082			☐	☐	☐
19.58	20.08	0.50	GRD	0.50	100	R615762	☐	16-082			☐	☐	☐
20.08	21.60	1.52	GRD	1.52	100	R615763	☐	16-082			☐	☐	☐
20.08	21.60	1.52	GRD	1.52	100	R615764	☐	16-082			☐	☐	☑
21.60	22.24	0.64	GRD	0.64	100	R615765	☐	16-082			☐	☐	☐
22.24	23.61	1.37	GRD	1.37	100	R615766	☐	16-082			☐	☐	☐
23.61	24.30	0.69	GRD	0.69	100	R615767	☐	16-082			☐	☐	☐
24.30	25.30	1.00	GRD	1.00	100	R615769	☐	16-082			☐	☐	☐
41.00	42.31	1.31	GRD	1.27	97	R615770	☐	16-082			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.31	43.08	0.77	GRD	0.77	100	R615771	☐	16-082			☐	☐	☐
43.08	43.66	0.58	GRD	0.58	100	R615772	☐	16-082			☐	☐	☐
43.66	45.60	1.94	GRD	1.94	100	R615774	☐	16-082			☐	☐	☐
45.60	46.16	0.56	GRD	0.56	100	R615775	☐	16-082			☐	☐	☐
46.16	47.00	0.84	GRD	0.74	88	R615776	☐	16-085			☐	☐	☐
47.00	48.01	1.01	GRD	1.01	100	R615777	☐	16-085			☐	☐	☐
48.01	48.59	0.58	GRD	0.58	100	R615778	☐	16-085			☐	☐	☐
48.59	49.69	1.10	GRD	1.10	100	R615779	☐	16-085			☐	☐	☐
49.69	50.21	0.52	GRD	0.52	100	R615780	☐	16-085			☐	☐	☐
50.21	51.32	1.11	GRD	1.11	100	R615782	☐	16-085			☐	☐	☐
54.55	55.52	0.97	GRD	0.97	100	R615783	☐	16-085			☐	☐	☐
55.52	56.18	0.66	GRD	0.56	85	R615785	☐	16-085			☐	☐	☐
56.18	56.68	0.50	GRD	0.50	100	R615786	☐	16-085			☐	☐	☐
56.68	57.92	1.24	GRD	1.24	100	R615787	☐	16-085			☐	☐	☐
63.84	64.74	0.90	GRD	0.90	100	R615788	☐	16-085			☐	☐	☐
64.74	66.08	1.34	GRD	1.34	100	R615789	☐	16-085			☐	☐	☐
66.08	66.58	0.50	GRD	0.50	100	R615790	☐	16-085			☐	☐	☐
66.58	67.15	0.57	GRD	0.57	100	R615791	☐	16-085			☐	☐	☐
67.15	67.65	0.50	GRD	0.50	100	R615793	☐	16-085			☐	☐	☐
67.65	68.63	0.98	GRD	0.98	100	R615794	☐	16-085			☐	☐	☐
68.63	69.23	0.60	GRD	0.60	100	R615795	☐	16-085			☐	☐	☐
68.63	69.23	0.60	GRD	0.60	100	R615796	☐	16-085			☐	☑	☐
69.23	70.19	0.96	GRD	0.96	100	R615797	☐	16-085			☐	☐	☐
70.19	71.00	0.81	GRD	0.81	100	R615798	☐	16-085			☐	☐	☐
71.00	73.50	2.50	GRD	2.50	100	R615799	☐	16-085			☐	☐	☐
73.50	75.57	2.07	GRD	2.07	100	R615800	☐	16-085			☐	☐	☐
86.00	86.51	0.51	GRD	0.51	100	R614751	☐	16-085			☐	☐	☐
86.51	88.63	2.12	GRD	2.12	100	R614753	☐	16-085			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
88.63	89.15	0.52	GRD	0.52	100	K292785	☐	16-060	HG		☐	☐	☐
89.15	90.06	0.91	VEN	0.91	100	K292787	☐	16-060	HG		☐	☐	☐
90.06	90.72	0.66	VEN	0.66	100	K292788	☐	16-060	HG		☐	☐	☐
90.72	91.60	0.88	VEN	0.88	100	K292789	☐	16-060	HG		☐	☐	☐
91.60	92.14	0.54	VEN	0.54	100	R614754	☐	16-085			☐	☐	☐
92.14	92.69	0.55	VEN	0.55	100	R614755	☐	16-085			☐	☐	☐
92.69	94.14	1.45	GRD, VEN	1.45	100	R614756	☐	16-085			☐	☐	☐
94.14	94.77	0.63	GRD	0.63	100	R614757	☐	16-085			☐	☐	☐
94.14	94.77	0.63	GRD	0.63	100	R614758	☐	16-085			☐	☐	☑
94.77	96.93	2.16	GRD	2.16	100	R614759	☐	16-085			☐	☐	☐
96.93	97.94	1.01	GRD	1.01	100	R614760	☐	16-085			☐	☐	☐
97.94	99.04	1.10	GRD	1.10	100	R614761	☐	16-085			☐	☐	☐
99.04	99.71	0.67	GRD	0.65	97	R614762	☐	16-087			☐	☐	☐
99.71	100.48	0.77	GRD	0.77	100	R614763	☐	16-087			☐	☐	☐
100.48	101.00	0.52	GRD	0.52	100	R614764	☐	16-087			☐	☐	☐
101.00	102.33	1.33	GRD	1.33	100	R614765	☐	16-087			☐	☐	☐
126.42	127.56	1.14	GRD	1.14	100	R614766	☐	16-087			☐	☐	☐
127.56	128.58	1.02	GRD	1.02	100	K292790	☐	16-060	HG		☐	☐	☐
127.56	128.58	1.02	GRD	1.02	100	K292791	☐	16-060	HG		☐	☐	☑
128.58	129.57	0.99	GRD	0.99	100	K292792	☐	16-060	HG		☐	☐	☐
129.57	130.09	0.52	VEN	0.52	100	K292793	☐	16-060	HG		☐	☐	☐
130.09	130.61	0.52	VEN	0.52	100	R614768	☐	16-087			☐	☐	☐
130.61	131.39	0.78	GRD	0.78	100	R614769	☐	16-087			☐	☐	☐
131.39	132.49	1.10	GRD	1.10	100	R614770	☐	16-087			☐	☐	☐
139.35	140.00	0.65	GRD	0.65	100	R614771	☐	16-087			☐	☐	☐
140.00	140.55	0.55	GRD	0.55	100	R614772	☐	16-087			☐	☐	☐
140.55	141.46	0.91	GRD	0.91	100	R614773	☐	16-087			☐	☐	☐
140.55	141.46	0.91	GRD	0.91	100	R614774	☐	16-087			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
141.46	142.27	0.81	GRD	0.81	100	R614775	☐	16-087			☐	☐	☐
142.27	142.77	0.50	GRD	0.50	100	R614776	☐	16-087			☐	☐	☐
142.77	143.77	1.00	GRD	1.00	100	R614777	☐	16-087			☐	☐	☐

KL-16-325

Eastern Klaza

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	11.00			☐	☐	☐	☐	
16-060	K292786	0.00	0.00	1.76	290	☐	☐	☐	☑ KL-STD6	
16-085	R614752	0.00	0.00	0.87	510	☐	☐	☐	☑ KL-STD5	
16-085	R615781	0.00	0.00	0.01	20	☐	☐	☑	☐	
16-085	R615784	0.00	0.00	4.38	230	☐	☐	☐	☑ KL-STD1	
16-085	R615792	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-082	R615752	0.00	0.00	0.77	160	☐	☐	☐	☑ KL-STD3	
16-082	R615768	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-082	R615773	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-087	R614767	0.00	0.00	0.35	610	☐	☐	☐	☑ KL-STD4	
16-082	R615751	11.00	12.00	0.00	2340	☐	☐	☐	☐	
16-082	R615753	12.00	12.52	0.01	2020	☐	☐	☐	☐	
16-082	R615754	12.52	13.16	5.69	540	☐	☐	☐	☐	
16-082	R615755	13.16	13.81	0.59	1820	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-082	R615756	13.81	14.60	0.02	1310	☐	☐	☐	☐	
16-082	R615757	13.81	14.60	0.02	1740	☑	☐	☐	☐	
16-082	R615758	14.60	15.32	1.14	1780	☐	☐	☐	☐	
16-082	R615759	15.32	17.00	0.18	2230	☐	☐	☐	☐	
16-082	R615760	17.00	19.08	0.01	2290	☐	☐	☐	☐	
16-082	R615761	19.08	19.58	0.46	210	☐	☐	☐	☐	
16-082	R615762	19.58	20.08	0.01	2370	☐	☐	☐	☐	
16-082	R615763	20.08	21.60	0.01	2140	☐	☐	☐	☐	
16-082	R615764	20.08	21.60	0.01	2120	☐	☑	☐	☐	
16-082	R615765	21.60	22.24	0.00	2260	☐	☐	☐	☐	
16-082	R615766	22.24	23.61	0.08	1860	☐	☐	☐	☐	
16-082	R615767	23.61	24.30	1.41	860	☐	☐	☐	☐	
16-082	R615769	24.30	25.30	0.06	1820	☐	☐	☐	☐	
		25.30	41.00			☐	☐	☐	☐	
16-082	R615770	41.00	42.31	0.00	1480	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-082	R615771	42.31	43.08	0.27	1280	☐	☐	☐	☐	
16-082	R615772	43.08	43.66	0.35	850	☐	☐	☐	☐	
16-082	R615774	43.66	45.60	0.07	1980	☐	☐	☐	☐	
16-082	R615775	45.60	46.16	3.00	530	☐	☐	☐	☐	
16-085	R615776	46.16	47.00	0.01	1690	☐	☐	☐	☐	
16-085	R615777	47.00	48.01	0.01	2180	☐	☐	☐	☐	
16-085	R615778	48.01	48.59	0.20	370	☐	☐	☐	☐	
16-085	R615779	48.59	49.69	0.00	2390	☐	☐	☐	☐	
16-085	R615780	49.69	50.21	4.08	180	☐	☐	☐	☐	
16-085	R615782	50.21	51.32	0.03	2170	☐	☐	☐	☐	
		51.32	54.55			☐	☐	☐	☐	
16-085	R615783	54.55	55.52	0.00	1880	☐	☐	☐	☐	
16-085	R615785	55.52	56.18	1.52	280	☐	☐	☐	☐	
16-085	R615786	56.18	56.68	0.04	1990	☐	☐	☐	☐	
16-085	R615787	56.68	57.92	0.00	2290	☐	☐	☐	☐	
		57.92	63.84			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-085	R615788	63.84	64.74	0.01	1370	☐	☐	☐	☐	
16-085	R615789	64.74	66.08	0.67	720	☐	☐	☐	☐	
16-085	R615790	66.08	66.58	0.06	1380	☐	☐	☐	☐	
16-085	R615791	66.58	67.15	0.97	190	☐	☐	☐	☐	
16-085	R615793	67.15	67.65	0.05	1310	☐	☐	☐	☐	
16-085	R615794	67.65	68.63	0.02	740	☐	☐	☐	☐	
16-085	R615795	68.63	69.23	0.06	990	☐	☐	☐	☐	
16-085	R615796	68.63	69.23	0.04	1310	☑	☐	☐	☐	
16-085	R615797	69.23	70.19	0.02	1410	☐	☐	☐	☐	
16-085	R615798	70.19	71.00	0.05	1170	☐	☐	☐	☐	
16-085	R615799	71.00	73.50	0.02	1060	☐	☐	☐	☐	
16-085	R615800	73.50	75.57	0.00	1850	☐	☐	☐	☐	
		75.57	86.00			☐	☐	☐	☐	
16-085	R614751	86.00	86.51	0.01	1580	☐	☐	☐	☐	
16-085	R614753	86.51	88.63	0.10	1230	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-060	K292785	88.63	89.15	1.99	200	☐	☐	☐	☐	
16-060	K292787	89.15	90.06	0.50	210	☐	☐	☐	☐	
16-060	K292788	90.06	90.72	8.82	80	☐	☐	☐	☐	
16-060	K292789	90.72	91.60	0.09	830	☐	☐	☐	☐	
16-085	R614754	91.60	92.14	0.01	520	☐	☐	☐	☐	
16-085	R614755	92.14	92.69	0.03	880	☐	☐	☐	☐	
16-085	R614756	92.69	94.14	0.67	130	☐	☐	☐	☐	
16-085	R614757	94.14	94.77	0.07	870	☐	☐	☐	☐	
16-085	R614758	94.14	94.77	0.06	820	☐	☑	☐	☐	
16-085	R614759	94.77	96.93	0.01	1190	☐	☐	☐	☐	
16-085	R614760	96.93	97.94	0.21	370	☐	☐	☐	☐	
16-085	R614761	97.94	99.04	0.03	810	☐	☐	☐	☐	
16-087	R614762	99.04	99.71	1.23	350	☐	☐	☐	☐	
16-087	R614763	99.71	100.48	0.22	780	☐	☐	☐	☐	
16-087	R614764	100.48	101.00	0.00	760	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-087	R614765	101.00	102.33	0.02	2740	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-087	R614766	126.42	127.56	0.01	2280	☐	☐	☐	☐	
16-060	K292790	127.56	128.58	0.01	1610	☐	☐	☐	☐	
16-060	K292791	127.56	128.58	0.00	1630	☐	☑	☐	☐	
16-060	K292792	128.58	129.57	4.92	130	☐	☐	☐	☐	
16-060	K292793	129.57	130.09	9.11	160	☐	☐	☐	☐	
16-087	R614768	130.09	130.61	0.04	820	☐	☐	☐	☐	
16-087	R614769	130.61	131.39	0.00	1130	☐	☐	☐	☐	
16-087	R614770	131.39	132.49	0.00	1140	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-087	R614771	139.35	140.00	0.02	540	☐	☐	☐	☐	
16-087	R614772	140.00	140.55	0.11	580	☐	☐	☐	☐	
16-087	R614773	140.55	141.46	0.00	340	☐	☐	☐	☐	
16-087	R614774	140.55	141.46	0.00	300	☑	☐	☐	☐	
16-087	R614775	141.46	142.27	0.01	200	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-087	R614776	142.27	142.77	0.13	1100	☐	☐	☐	☐	
16-087	R614777	142.77	143.77	0.01	550	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
5.33	5.44	VN	37	55	NUL	2	Two 2cm quartz veins hosting disseminated pyrite and possible jasper (red, quartz like). Found within argillic/propylitic granodiorite that is oxidized.			
								Py	1	DI
12.65	13.08	VN	37	-	NUL	1	Intensely oxidized argillic granodiorite with a weakl to moderately quartz flooded vein zone. Zone displays almost red oxidation, and carries a vein of blebby pyrite (could potentially be other minerals, but oxidation makes identification difficult).			
								Py	5	BL
19.31	19.40	VB	37	65	NUL	1	9cm smokey quartz carbonate vein found within a propylitic/phyllic granodiorite halo. Carbonate brecciates smokey quartz, which hosts disseminated to blebby pyrite, disseminated galena, sphalerite, and possible arsenopyrite (?). Weak oxidation staining found throughout breccia vein.			
								Py	15	BL
								Sp	5	DI
								As	0.1	DI
								Gn	1	DI
23.44	24.41	VT	37	-	NUL	9	Propylitic granodiorite carrying 9 small oxidized quartz veinlets that host disseminted pyrite throughout.			
								Py	30	DI
45.76	45.81	VN	37	85	NUL	1	5cm milky quartz vein found within quartz flooded phyllic granodiorite. Vein hosts disseminated to blebby pyrite and sphalerite.			
								Py	8	BL
								Sp	6	DI
48.32	48.39	VN	37	70	NUL	1	Quartz carbonate vein found within argillic/phyllic granodiorite. Blebby to disseminated pyrite, disseminated galena, and disseminated to blebby sphalerite are found within quarttz veining, with zoned carbonate veining found along the upper quartz selvedge. Brecciation is also seen, along the upper selvedge of the carbonate veining by black breccia (roughly 2cm).			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	1	DI
								Gn	1	DI
								Py	2	DI
								Py	15	BL
								Sp	4	BL
50.00	50.08	VN	37	65	NUL	1	7.5cm milky quartz carbonate vein found within mottled propylitic granodiorite that has undergone quartz flooding. Vein hosts blebby pyrite, arsenopyrite, sphalerite, and disseminated galena.			
								So	10	BL
								As	20	BL
								Py	25	BL
								Gn	2	DI
54.18	54.21	VN	37	80	NUL	1	3cm milky quartz vein hosting blebby pyrite, sphalerite.			
								Sp	15	BL
								Py	20	BL
55.78	55.95	VN	37	75	NUL	1	17cm quartz vein zone within quartz flooded propylitic granodiorite. A 7cm vein hosts blebby pyrite, sphalerite, and disseminated blebs of galena. Stringers of pyrite eminate from the vein. Throughout the rest of the zone.			
								Gn	3	DI
								Py	15	BL
								Sp	15	BL
64.74	65.00	VN	37	10	NUL	1	Shallow dipping quartz carbonate vein hosting blebby pyrite, sphalerite, and disseminated galena. Found within propylitic/phyllic granodiorite.			
								Gn	1	BL
								Py	7	BL
								Sp	5	BL
65.10	66.06	VN	37	-	NUL	-	Phyllic to propylitic granodiorite zone carrying numerous carbonate veins throughout. Area is highly fractured. Carbonate veins carry no minearalization, but disseminated pyrite is found throughout entire interval. Vugs within carbonate veining are found throughout.			
								Py	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
66.94	67.17	VN	37	80	NUL	1	quartz carbonate vein found within propylitic/phyllic altered granodiorite. Vein hosts disseminated to blebby pyrite, and disseminated sphalerite. Carbonate weakly brecciates smokey quartz. Carbonate veinlets also crosscut vein			
								Py	3	DI
								Py	3	BL
								Sp	1	DI
88.83	92.58	VN	37	40	NUL	1	Large 3.75m vein zone (Lower Klaza Splay?). Vein zone is a series of smokey quartz/carbonate breccia veins found within argillic/propylitic to argillic/phyllic granodiorite. Zone is consists dominantly of smokey quartz carbonate veins throughout, with small patches (up to 6cm) of granodiorite between that host stringers and disseminated mineralization. Hosts blebby to disseminated pyrite, blebby sphalerite, blebby galena, blebby to disseminated arsenopyrite, and possible fine grained disseminated Jamesonite. Multiple phases are displayed, with quartz veining intruded by smokey quartz, which is in turn all brecciated by carbonate veining.			
								Gn	1.5	BL
								Py	15	BL
								Jm	0.5	DI
								Sp	7	BL
								As	3	BL
								Py	5	DI
92.69	94.05	VN	37	-	NUL	1	Quartz flooded vein zone of slightly gouged propylitic alerted granodiorite. 1.45m vein zone displays patchy oxidization, and gouge alteration. Carries disseminated to blebby pyrite throughout, found proximal to quartz flooding.			
								Py	3	BL
								Py	4	DI
97.03	97.10	VN	37	65	NUL	1	7cm quartz/carbonate ein found within phyllic altered granodiorite. Vein hosts disseminated to blebby pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
99.04	99.17	VN	37	85	NUL	1	13cm milky quartz/smokey quartz carbonate vein found within argillic/propylitic altered granodiorite. Vein hosts blebby to disseminated pyrite throughout. Carbonate veining brecciates quartz.			
								Py	15	BL
								Py	10	DI
99.33	99.43	VN	37	60	NUL	1	9cm smokey quartz carbonate vein hosting disseminated to blebby pyrite within phyllic altered granodiorite. Vein contains white carbonate, tan ankerite, and rhodocrosite.			
								Py	3	BL
								Py	8	DI
128.68	130.15	VN	37	-	NUL	1	1.47m vein zone found within phyllic to propylitic altered granodiorite. Vein zone displays patchy weak oxidation along both joint and fracture planes, as well as within sporadic stringers. Zone dominantly consists of milky quartz veining with intermittent smokey quartz and carbonate pulses throughout (smokey quartz veining occurs in a net texture within milky quartz veins). Patches of phyllic/propylitic granodiorite up to 5cm long between veins. Zone hosts blebby pyrite, chalcopyrite, sphalerite, disseminated galena, arsenopyrite, and possibly fine grained disseminated jamesonite (needle like, fine grained, silver. Might be arsenopyrite).			
								Sp	10	MA
								Py	30	MA
								As	3	DI
								Cp	4	BL
								Gn	2	BL
140.12	140.35	VN	37	-	NUL	1	Gouged argillic/phyllic granodiorite carrying a 20cm quartz flooded zone hosting disseminated pyrite.			
142.26	142.32	VN	37	-	NUL	1	6cm smokey quartz/carbonate vein hosting disseminated to blebby pyrite. Vein is weakly gouged and broken down.			
								Py	3	DI
								Py	5	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383579	6889105	1363.27	337.41

ZONE: Eastern Klaza

SECTION:

HOLE: KL-16-326

CLAIM: Klaza 24

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 1.75m, Out

Drilling Dates: -

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	36.4	-50.4	Reflex
331.31	35.5	-52.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.75	1.75	CAS
1.75	12.75	11	VOL
12.75	14.1	1.35	VOL
14.1	35.17	21.07	GRD
35.17	40.97	5.8	GRD
40.97	47.53	6.56	GRD
47.53	48.71	1.18	GRD
48.71	51.3	2.59	QFP
51.3	53.95	2.65	GRD
53.95	140.2	86.25	GRD
140.2	206.65	66.45	GRD
206.65	210.22	3.57	GRD
210.22	212.64	2.42	VEN
212.64	221.59	8.95	GRD
221.59	258.17	36.58	GRD
258.17	277.62	19.45	GRD

SAMPLES	
Numbers:	K292774 to K292778, K292780 to K292783, R614512 to R614613, R614615 to R614688
Total:	185
Batch:	060, 076, 078, 079, 083, 084
Certificates:	VA16126433, VA16126447, VA16126451, VA16127969, VA16127971, VA16127973

COMMENTS

This hole contained native copper at 36.50m. An early zone was intercepted at 47.53-53.32m flanking a porphyry dyke.

277.62	283.6	5.98	QFP
283.6	295.48	11.88	GRD
295.48	328.12	32.64	GRD
328.12	332.54	4.42	GRD
332.54	337.41	4.87	GRD

Box Log

KL-16-326

Klaza

stern Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.75	4.2
2	4.2	6.2
3	6.2	8.9
4	8.9	11.4
5	11.4	14.33
6	14.33	16.76
7	16.76	20.1
8	20.1	22.73
9	22.73	25.82
10	25.82	29.05
11	29.05	31.6
12	31.6	35.43
13	35.43	38.71
14	38.71	42
15	42	45.8
16	45.8	48.71
17	48.71	51.42
18	51.42	54.55
19	54.55	57.37
20	57.37	60.12
21	60.12	63.27
22	63.27	66.14
23	66.14	69.18
24	69.18	72.23
25	72.23	75.16
26	75.16	78.53
27	78.53	81.58
28	81.58	84.42
29	84.42	87.47
30	87.47	90.47
31	90.47	93.34
32	93.34	96.62
33	96.62	99.71
34	99.71	103.07
35	103.07	105.77
36	105.77	108.71
37	108.71	111.86
38	111.86	115.01
39	115.01	118.07
40	118.07	121.19
41	121.19	124.26
42	124.26	127.23
43	127.23	130.41
44	130.41	133.42
45	133.42	136.35
46	136.35	139.5
47	139.5	142.42
48	142.42	145.65
49	145.65	148.71
50	148.71	151.78
51	151.78	154.87
52	154.87	158.03
53	158.03	160.63
54	160.63	163.48
55	163.48	166.36
56	166.36	168.35
57	168.35	172.48
58	172.48	175.4
59	175.4	177.95
60	177.95	181
61	181	183.71
62	183.71	186.53
63	186.53	189.64
64	189.64	192.03
65	192.03	195.3
66	195.3	198.26
67	198.26	201.08
68	201.08	203.86
69	203.86	206.93
70	206.93	209.85
71	209.85	212.77
72	212.77	215.93
73	215.93	219.06
74	219.06	221.97
75	221.97	225.03
76	225.03	228.29
77	228.29	231.31
78	231.31	234.47
79	234.47	237.43
80	237.43	240.65
81	240.65	243.86
82	243.86	247.97
83	247.97	250.12
84	250.12	253.3
85	253.3	256.56
86	256.56	259.46
87	259.46	262.47
88	262.47	265.58
89	265.58	268.68
90	268.68	271.9

Box Number	From (m)	To (m)
91	271.9	275.03
92	275.03	278.3
93	278.3	281.3
94	281.3	284.22
95	284.22	287.06
96	287.06	290.17
97	290.17	293.1
98	293.1	296.05
99	296.05	299.03
100	299.03	302.22
101	302.22	305.42
102	305.42	308.52
103	308.52	311.44
104	311.44	314.33
105	314.33	317.56
106	317.56	320.35
107	320.35	323.2
108	323.2	326.19
109	326.19	329.33
110	329.33	332.35
111	332.35	335.25
112	335.25	337.41

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-326									
	23.47	15	HQ	GRD	1336.3	834.5	2.86	2.7	lightly potassic, phyllic altered granodiorite with oxidation along fractures
	48.27	16	HQ	GRD	1917.7	1393.8	3.84	3.7	Massive quartz vein hosting massive-blebby pyrite.
	50.5	12.5	HQ	QFP	1045.9	643.4	2.68	2.6	Quartz feldspar dyke with oxidation along fractures
	87.3	16	HQ	GRD	1427.3	913.7	2.86	2.8	Lightly silicified phyllic argillic altered granodiorite with pyrite stringers.
	111.68	18	HQ	GRD	1552.6	976.8	2.77	2.7	silica flooded weakly potassic propylitic altered granodiorite
	126.11	11	HQ	GRD	977.7	616.4	2.85	2.7	Smokey quartz breccia vein hosting blebby to disseminated pyrite
	161.93	10	HQ	GRD	898.9	560.6	2.88	2.7	Siliceous lightly potassic and propylitic altered granodiorite with pyrite on fracture faces
	211.79	14	HQ	VEN	1268.9	862.1	2.91	3.1	Smokey quartz breccia vein hosting massive to blebby pyrite
	304.27	12	HQ	GRD	1006.9	636.1	2.69	2.7	Light green gray modertely hydrothermally altered quartz feldspar porphyry dyke.
	329.67	7	HQ	GRD	686.4	469.4	3.15	3.2	Quartz carbonate vein hosting massive pyrite. Smokey quartz found at lower selvedge.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.75	12.75	11.00	VOL	FG	Dark grey-black volcanic. Strongly oxidized, rubbly, fractured recovery. There are 1mm coatings of limonite on fracture faces. Volcanic is cut by few quartz veinlets, some of which show sulphide-weathering pits. Few strongly oxidized gouge seams. Larger crystal grains in volcanic are weathered to white clay.							
						DK	BK	RB	LIM	2I		
						DK	GY	FR	OXI	4I	Li	5
12.75	14.10	1.35	VOL	MG	Volcanics in faulted zone with different alteration than previous volcanic interval. Oxide is persistent. Underlying alteration is light grey-green, possibly phyllic. Fine pyrite is disseminated through groundmass. Volcanics are cut by quartz veinlets and many fractures. Fractures have oxidized coatings of gouge/clay.							
						MD	BN					
						LT	GY	FR	CLY	2I	Py	2
						LT	GN		OXI	3I		
14.10	21.75	7.65	GRD	MG	Weak-moderate patchy propylitic, phyllic, and argillic alterations are overprinted by moderate pervasive oxidiation. Recovery is quite fractured, with oxidation radiating from fracture surfaces. Fine disseminated pyrite can be found in locallized patches of the groundmass and in veins.							
						MD	GN	RB	ARG	1I		
						MD	BN	PA	PHC	2I	Py	1
						LT	GN	FR	PRO	2I		
									OXI	3I		
21.75	35.17	13.42	GRD	MG	Weak-moderately mineralized granodiorite with patchy moderate phyllic to argillic alteration around crosscutting quartz-pyrite veining. Some veining contains hematite. Recovery is often fractured and semi-pervasive oxidization stems outward from fracture planes. Weak-moderate propylitic alteration is found between phyllic-argillic vein halos.							
						MD	GN	RB	PRO	3I		
						MD	BN	FR	ARG	2I	Py	1
						LT	GN	PA	PHC	3I	Py	2
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
35.17	36.71	1.54	GRD	MG	Vein zone with dendritic copper. Host rock consists of strongly phyllic altered granodiorite with pervasive weak oxidization and few gouge seams. Fractures often have a thin coating of oxide-stained clays.							
						LT	GN	PA	PHC	4I	Cu	0.5
						LT	BN		OXI	2I	Py	1
						LT	GY					
36.71	38.96	2.25	GRD	MG	Host rock consists of strongly phyllic altered granodiorite with pervasive weak oxidization and few gouge seams. Fractures often have a thin coating of oxide-stained clays. Cut by mineralized quartz veins and veinlets, typically hosting blebby pyrite and magnetite. Few veins contain blebby galena.							
						LT	GY	PA	PHC	3I	Py	1
						LT	BN				Gn	0.5
						LT	GN		OXI	2I	Mg	1
38.96	40.97	2.01	GRD	MG	Second section of mineralized zone includes faulted area with wide massive quartz veining. Pervasive disseminated pyrite is present in both quartz veining and groundmass.							
						LT	GN	FR	CLY	2I	Py	2
						LT	GY		OXI	2I		
						LT	BN		PHC	3I		
40.97	47.53	6.56	GRD	MG	Competent granodiorite with weak-moderate pervasive potassic, phyllic, and propylitic alterations. No oxides on fracture surfaces. Patchy disseminated pyrite in groundmass. Cut by white quartz veinlets hosting disseminated pyrite.							
						MD	GN		POT	2I		
						LT	GN	PA	PHC	2I	Py	1
						LT	PK		PRO	3I		
47.53	47.97	0.44	GRD	MG	Pre-dyke mineralized zone that follows an irregular contact between granodiorite and dyke. Granodiorite is softened by locallized pervasive clay alteration. Strong massive-blebby pyrite mineralization is accompanied by a massive quartz vein. Pyrite is crumbled in clay altered intervals.							
						LT	GY				Py	5
						DK	GY	SN	CLY	2I	Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
47.97	48.20	0.23	QFP	FG	Short section of light grey quartz feldspar porpyry dyke along an irregular contact with mineralized granodiorite. Quartz feldspar porphyry dyke contains fine disseminated pyrite and weak oxide staining along fractures.							
						LT	GY	PO	HYD	4I	Py	0.5
48.20	48.71	0.51	GRD	MG	Pre-dyke mineralized zone that follows an irregular contact between granodiorite and dyke. Granodiorite is softened by locallized pervasive clay alteration. Strong massive-blebby pyrite mineralization is accompanied by a massive quartz vein. Pyrite is crumbled in clay altered intervals.							
						MD	BR					
						DK	GY	MA	CLY	1I	Py	50
48.71	51.30	2.59	QFP	FG	Light grey quartz feldspar porphyry dyke with weak oxide staining on fractures and weak disseminated pyrite mineralization. Sharp contacts with mineralized granodiorite on both sides.							
						LT	GY	FR	OXI	2I	Py	0.5
								PO	HYD	4I		
51.30	52.42	1.12	GRD	MG	Post-dyke mineralized granodiorite with strong clay alteration. Pervasive massive-blebby pyrite is intergrown with some blebby chalcopyrite.							
						DK	GY	RB	CLY	3I	Py	25
						DK	BR				Cp	2
52.42	53.32	0.90	GRD	MG	Granodiorite with pervasive moderate clay alteration leading to general softening and oxide staining. Granodiorite hosts diss-blebby pyrite throughout.							
						LT	GY	MO	CLY	3I	Py	5
						LT	BN		OXI	2I		
						DK	GY					
53.32	53.95	0.63	GRD	MG	Post-dyke mineralized granodiorite with strong clay alteration. Pervasive massive-blebby pyrite throughout, with significant softening.							
						MD	BN	FR	OXI	3I	Py	5
						LT	GY		CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
53.95	68.10	14.15	GRD	MG	Granodiorite with patchy, typically vein-associated envelopes of phyllic, argillic, and propylitic alteration, sometimes with weak potassic alteration overprinting propylitic patches. Weak oxidation persists until 62m depth, then disappears. Granodiorite is cut by quartz-carbonate veins hosting blebby-disseminated pyrite throughout.							
						MD	GN		PHC	1I		
						LT	PK		POT	2I		
						LT	BN		OXI	2I		
						LT	GN		PHC	3I	Py	0.5
68.10	84.42	16.32	GRD	MG	Granodiorite with patchy, typically vein-associated envelopes of phyllic, argillic, and propylitic alteration, sometimes with weak potassic alteration overprinting propylitic patches. Weak oxidation persists until 62m depth, then disappears. Granodiorite is cut by quartz-carbonate veins hosting blebby-disseminated pyrite throughout. Some veins contain rhodochrosite/tan ankerite. Fractures often reveal pervasive fine disseminated pyrite within groundmass.							
						MD	GN		ARG	2I		
						LT	GY	ZO	PHC	2I		
						LT	GN	PA	PRO	3I	Py	1
						LT	PK		POT	2I		
84.42	87.47	3.05	GRD	MG	Phyllic granodiorite is crosscut by many massive quartz veins and veinlets hosting blebby pyrite. Often, high density quartz veining leads to weak-moderate silicification of granodiorite host rock. Fractures introduce thin seams of clay alteration and carbonate infill.							
						MD	GN	MO	CLY	1I		
						LT	GN	PA	PHC	3I		
						LT	GY	MA	SIL	3I	Py	2
87.47	91.86	4.39	GRD	MG	Pervasive weak phyllic and trace silicification in granodiorite, cut by few quartz-pyrite veinlets.							
						LT	GN	PA	PHC	2I	Py	1
						LT	GY		SIL	2I		
91.86	95.47	3.61	GRD	MG	Granodiorite with weak pervasive propylitic and potassic alterations. Cut by a single pyrite vein.							
						MD	GN	PA	PRO	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
95.47	104.27	8.80	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veins with inner phyllic and outer argillic halos. Trace silicification within phyllic envelopes. A vein at 101.68m contains trace arsenopyrite.							
						LT	GN	PA	PHC	3I	Py	1
						LT	GY	EN	ARG	2I	As	0.1
						LT	WH		SIL	2I		
104.27	106.64	2.37	GRD	MG	Granodiorite has been significantly fractured, with up to 2mm clay on fracture surfaces. Weak-moderate patchy propylitic and potassic alteration.							
						MD	GN	PA	PRO	2I	Py	0.1
						MD	PK		POT	2I		
106.64	115.01	8.37	GRD	MG	Generally weakly altered granodiorite, cut by few quartz veinlets hosting fine blebby pyrite with phyllic envelopes.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN	EN				
115.01	126.07	11.06	GRD	MG	Patchy altered granodiorite cut by many quartz-carbonate-pyrite veins with phyllic to argillic halos.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH	EN	ARG	2I		
126.07	126.50	0.43	GRD	MG	Granodiorite cut by a smoky quartz breccia that grades into a carbonate breccia. Clay development borders the breccia. Breccia hosts blebby pyrite.							
						LT	GN	BX	PHC	4I	Py	2
						DK	GY		CLY	2I		
140.20	184.71	44.51	GRD	MG	Granodiorite with weaker alteration than seen earlier, dominated by wide patches of weak-moderate propylitic and potassic alteration. There are few patches patches of weak phyllic alteration and silicification disseminated pyrite, generally enveloping rare quartz-pyrite veinlets.							
						MD	GN	PA	PHC	2I	Py	0.1
						MD	PK		SIL	1I		
						LT	GN		PRO	3I		
									POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
184.71	206.65	21.94	GRD	MG	Weakly altered granodiorite, with patchy-pervasive weak-moderate propylitic and potassic alteration.							
						MD	GN	PA	PRO	3I		
						MD	PK		POT	2I		
206.65	210.22	3.57	GRD	MG	Strongly phyllic altered granodiorite crosscut by many quartz-carbonate-pyrite veins with weaker argillic overprint. Pervasive disseminated pyrite in granodiorite groundmass.							
						LT	GN		PHC	4I	Py	1
						LT	GY		ARG	3I		
210.22	210.63	0.41	VEN	CG	Wide vein of massive white quartz hosting massive pyrite.							
						MD	BR					
						LT	WH	MA			Py	40
210.63	211.34	0.71	GRD	MG	Strongly phyllic altered granodiorite cut by pyrite veinlets. Blebby-disseminated pyrite is hosted throughout the groundmass.							
						LT	GN		PHC	4I	Py	3
211.34	212.14	0.80	BXA	MG	Smokey quartz breccia containing fragments of white pyritic quartz-carbonate veins. Smokey quartz matrix itself hosts massive-blebby pyrite.							
						MD	BR					
						DK	GY	BX	PHC	4I	Py	50
						DK	BK					
212.14	212.64	0.50	GRD	MG	Pervasively clay altered granodiorite cut by massive quartz-pyrite veins. Pervasive blebby-disseminated pyrite in groundmass.							
						MD	GY					
						LT	GN	SN	CLY	2I	Py	8
						LT	GY		PHC	4I		
212.64	221.59	8.95	GRD	MG	Granodiorite with patchy phyllic, argillic, and propylitic alterations. There are locallized patches of potassic alteration. Cut by few quartz-pyrite veins/veinlets with phyllic envelopes.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I	Py	1
						LT	PK	MO	ARG	3I		
						LT	GY		POT	2I		
221.59	235.12	13.53	GRD	MG	Granodiorite with weaker alteration in smaller patches. Alterations tend to be phyllic to argillic envelopes around quartz-pyrite veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	PA	PHC	2I	Py	0.1
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						LT	GN					
235.12	240.34	5.22	GRD	MG	Granodiorite dominated by argillic and potassic alterations. Cut by few grey quartz-pyrite veinlets.							
						LT	WH		ARG	3I	Py	0.1
						LT	PK		POT	3I		
240.34	243.56	3.22	GRD	MG	Granodiorite with weak propylitic, trace potassic, and weak silicification.							
						MD	GN		SIL	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	2I		
243.56	249.82	6.26	GRD	MG	Granodiorite dominated by argillic and potassic alterations. Cut by few grey quartz-pyrite veinlets.							
						MD	GN		POT	2I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK	MO	ARG	3I		
									PRO	1I		
249.82	253.75	3.93	GRD	MG	Granodiorite cut by quartz pyrite veins with phyllic to argillic alteration envelopes, often with potassic overprint.							
						LT	WH		PHC	2I	Py	0.1
						LT	PK		ARG	3I		
						LT	GN		POT	2I		
253.75	258.17	4.42	GRD	MG	Granodiorite cut by quartz pyrite veinlets with phyllic-argillic halos.							
						LT	GN	PA	PHC	4I	Py	2
						LT	WH		ARG	3I		
258.17	262.47	4.30	GRD	MG	Granodiorite with weak propylitic, potassic, and silicification.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
262.47	269.68	7.21	GRD	MG	Phyllic to argillic altered granodiorite around quartz-pyrite veining.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
269.68	273.10	3.42	GRD	MG	Granodiorite with weak propylitic and potassic alteration.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
273.10	277.62	4.52	GRD	MG	Fractured granodiorite with pervasive strong phyllic and moderate argillic alterations related to quartz-pyrite-chalcopyrite veining. Comes into sharp contact with quartz feldspar porphyry dyke.							
						LT	GN	FR	PHC	4I	Py	2
						LT	WH		ARG	3I	Cp	0.1
277.62	283.60	5.98	QFP	FG	Fine grained light green quartz feldspar porphyry dyke with calcite often infilling fractures. Altered phenocrysts tend to be light green.							
						LT	GN	PO	HYD	3I		
283.60	286.87	3.27	GRD	MG	Phyllic and argillic altered granodiorite cut by frequent quartz-pyrite veins.							
						LT	GN	PA	PHC	4I	Py	1
						LT	WH		ARG	3I	Py	1
286.87	289.74	2.87	GRD	MG	Faulted, fractured, rubbly phyllic and argillic granodiorite cut by quartz-pyrite veins.							
						MD	GY					
						LT	GN	RB	ARG	3I		
						LT	GN	FR	PHC	3I	Py	1
289.74	293.32	3.58	GRD	MG	Phyllic and argillic altered granodiorite cut by white quartz-carbonate veinlets hosting pyrite. Fine disseminated pyrite is found throughout the groundmass.							
						LT	WH		ARG	3I	Py	1
						LT	GN		PHC	4I	Py	1
293.32	295.48	2.16	GRD	MG	Faulted, fractured, rubbly phyllic and argillic granodiorite cut by quartz-pyrite veins.							
						LT	GY	RB	ARG	2I		
						LT	GN	FR	PHC	3I	Py	1
295.48	328.12	32.64	GRD	MG	Granodiorite with alternating patches of propylitic alteration, phyllic quartz-pyrite vein envelopes, and argillic-potassic alteration.							
						MD	GN	PA	PRO	3I		
						LT	WH		POT	2I		
						LT	PK		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
328.12	329.61	1.49	GRD	MG	Strong phyllic and argillic halo cut by several quartz-pyrite veins.							
						LT	GN	PA	PHC	4I	Py	1
						LT	WH	EN	ARG	3I		
						LT	GY					
329.61	329.80	0.19	VEN	MG	Smoky-white massive quartz vein hosting blebby pyrite.							
						MD	BR				Py	30
						LT	WH					
						DK	GY					
329.80	332.54	2.74	GRD	MG	Strong phyllic and argillic halo cut by several quartz-pyrite veins. Area just below major vein is pervasively clay altered.							
						LT	GY	PA	ARG	3I		
						LT	GN	MO	PHC	4I	Py	1
						LT	WH	EN	CLY	2I		
332.54	337.41	4.87	GRD	MG	Granodiorite with alternating patches of propylitic alteration and argillic-potassic alteration, cut by few quartz-pyrite veinlets.							
						MD	PK					
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.1
						LT	GY	MO	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.75	12.75	11.00	VOL	FG	Dark grey-black volcanic. Strongly oxidized, rubbly, fractured recovery. There are 1mm coatings of limonite on fracture faces. Volcanic is cut by few quartz veinlets, some of which show sulphide-weathering pits. Few strongly oxidized gouge seams. Larger crystal grains in volcanic are weathered to white clay.							
						DK	BK	RB	LIM	2I		
						MD	BN					
						DK	GY	FR	OXI	4I	Li	5
12.75	14.10	1.35	VOL	MG	Volcanics in faulted zone with different alteration than previous volcanic interval. Oxide is persistent. Underlying alteration is light grey-green, possibly phyllic. Fine pyrite is disseminated through groundmass. Volcanics are cut by quartz veinlets and many fractures. Fractures have oxidized coatings of gouge/clay.							
						LT	GY	FR	CLY	2I	Py	2
						LT	GN		OXI	3I		
						MD	BN					
14.10	35.17	21.07	GRD	MG	Weak-moderately mineralized granodiorite with patchy moderate phyllic to argillic alteration around crosscutting quartz-pyrite veining. Some veining contains hematite. Recovery is often fractured and semi-pervasive oxidization stems outward from fracture planes. Weak-moderate propylitic alteration is found between phyllic-argillic vein halos.							
						LT	GN	PA	PHC	3I	Py	2
						MD	BN	FR	ARG	2I	Py	1
						MD	GN	RB	PRO	3I		
									OXI	3I		
35.17	40.97	5.80	GRD	MG	Vein zone with dendritic copper. Host rock consists of strongly phyllic altered granodiorite with pervasive weak oxidization and few gouge seams. Fractures often have a thin coating of oxide-stained clays. Cut by mineralized quartz veins and veinlets, typically hosting blebby pyrite and magnetite. Few veins contain blebby galena. A single vein contains pyrite, magnetite, and dendritic copper. Second section of mineralized zone includes faulted area with wide massive quartz veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FR	PHC	4I	Py	2
									POT	1I	Cu	0.5
						LT	BN	PA	OXI	2I	Gn	1
						LT	GY		ARG	2I	Mg	1
40.97	47.53	6.56	GRD	MG	Competent granodiorite with weak-moderate pervasive potassic, phyllic, and propylitic alterations. No oxides on fracture surfaces. Patchy disseminated pyrite in groundmass. Cut by white quartz veinlets hosting disseminated pyrite.							
						LT	GN	PA	PHC	2I	Py	1
						LT	PK		PRO	3I		
						MD	GN		POT	2I		
47.53	48.71	1.18	GRD	MG	Pre-dyke mineralized zone that follows an irregular contact between granodiorite and dyke. Granodiorite is softened by locallized pervasive clay alteration. Strong massive-blebby pyrite mineralization is accompanied by a massive quartz vein. Pyrite is crumbled in clay altered intervals.							
						DK	GY	SN	CLY	2I	Py	5
						LT	GY				Py	5
48.71	51.30	2.59	QFP	FG	Light grey quartz feldspar porphyry dyke with weak oxide staining on fractures and weak disseminated pyrite mineralization. Sharp contacts with mineralized granodiorite on both sides.							
						LT	GY	FR	OXI	2I	Py	0.5
								PO	HYD	4I		
51.30	53.95	2.65	GRD	MG	Post-dyke mineralized granodiorite, with initial strong clay alteration that grades out with distance from the dyke. Pervasive massive-blebby pyrite is intergrown with some blebby chalcopyrite.							
						DK	GY	RB	CLY	2I	Py	10
						DK	BR				Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
53.95	140.20	86.25	GRD	MG	Granodiorite with patchy, typically vein-associated envelopes of phyllic, argillic, and propylitic alteration, sometimes with weak potassic alteration overprinting propylitic patches. Weak oxidation persists until 62m depth, then disappears. Granodiorite is cut by quartz-carbonate veins hosting blebby-disseminated pyrite throughout. Some veins contain rhodochrosite/tan ankerite. Fractures often reveal pervasive fine disseminated pyrite within groundmass.							
						LT	PK		POT	2I		
						MD	GN		ARG	2I		
						LT	GY	ZO	PHC	2I		
						LT	GN	PA	PRO	3I	Py	1
140.20	206.65	66.45	GRD	MG	Granodiorite with weaker alteration than seen earlier, dominated by wide patches of weak-moderate propylitic and potassic alteration. There are few patches patches of weak phyllic alteration and silicification disseminated pyrite, generally enveloping rare quartz-pyrite veinlets.							
						MD	GN	PA	PHC	2I	Py	0.1
									POT	3I		
						MD	PK		SIL	1I		
						LT	GN		PRO	3I		
206.65	210.22	3.57	GRD	MG	Strongly phyllic altered granodiorite crosscut by many quartz-carbonate-pyrite veins with weaker argillic overprint. Pervasive disseminated pyrite in granodiorite groundmass.							
						LT	GN		PHC	4I	Py	1
						LT	GY		ARG	3I		
210.22	212.64	2.42	VEN	MG	Strongly phyllic altered granodiorite cut by a wide smokey quartz breccia hosting blebby-massive pyrite.							
						LT	GN	BX	PHC	4I	Py	5
						LT	WH		CLY	1I		
						MD	BR		ARG	2I		
212.64	221.59	8.95	GRD	MG	Granodiorite with patchy phyllic, argillic, and propylitic alterations. There are locallized patches of potassic alteration. Cut by few quartz-pyrite veins/veinlets with phyllic envelopes.							
						LT	GY		POT	2I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	MO	ARG	3I		
						LT	GN	PA	PHC	3I	Py	1
221.59	258.17	36.58	GRD	MG	Granodiorite with weaker alteration in smaller patches. Alterations tend to be phyllic to argillic envelopes around quartz-pyrite veinlets.							
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						LT	GN					
						MD	GN	PA	PHC	2I	Py	0.1
258.17	277.62	19.45	GRD	MG	Granodiorite with patches of phyllic and argillic alteration related to quartz-pyrite veining.							
						LT	GN	PA	PRO	2I	Py	0.1
						LT	WH		SIL	2I		
						MD	GN		ARG	2I		
									PHC	3I		
277.62	283.60	5.98	QFP	FG	Fine grained light green quartz feldspar porphyry dyke with calcite often infilling fractures. Altered phenocrysts tend to be light green. Dyke shows chilling at both contacts.							
						LT	GN	PO	HYD	3I		
283.60	295.48	11.88	GRD	MG	Phyllic altered granodiorite cut by many quartz-pyrite veins and a pair of faults. Argillic envelopes are found distal to veining. Minor pyrite is disseminated throughout the groundmass.							
						LT	WH	PA	PHC	4I	Py	1
						LT	GN	FR	ARG	3I		
295.48	328.12	32.64	GRD	MG	Granodiorite with alternating patches of propylitic alteration and argillic-potassic alteration, cut by few quartz-pyrite veinlets.							
						LT	WH		POT	2I		
						LT	PK		ARG	3I		
						MD	GN	PA	PRO	3I		
328.12	332.54	4.42	GRD	MG	Strong phyllic and argillic halo around a smoky quartz-pyrite vein.							
						LT	GN	PA	PHC	4I	Py	1
						LT	WH	EN	ARG	3I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
332.54	337.41	4.87	GRD	MG	Granodiorite with alternating patches of propylitic alteration and argillic-potassic alteration, cut by few quartz-pyrite veinlets. EOH							
						MD	PK					
						LT	GN	PA	PRO	2I	Py	0.1
						LT	GY	MO	ARG	2I		
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.75	1.75	0	0	0.00	0	--	--	--	Cased
1.75	2.13	0.38	0.2	53	0.00	0	--	1H	6W	Overburden
2.13	5.18	3.05	1.58	52	0.10	3	--	2H	5W	
5.18	8.23	3.05	1.77	58	0.00	0	--	2H	5W	
8.23	11.28	3.05	2.07	68	0.00	0	--	2H	5W	
11.28	14.33	3.05	2.41	79	0.33	11	--	2H	5W	
14.33	17.37	3.04	2.92	96	0.60	20	--	2H	5W	
17.37	20.42	3.05	2.89	95	0.66	22	--	3H	4W	
20.42	23.47	3.05	2.85	93	1.22	40	--	2H	4W	
23.47	26.52	3.05	3.03	99	1.66	54	--	3H	3W	
26.52	29.57	3.05	2.7	89	0.62	20	--	3H	3W	
29.57	32.61	3.04	3.04	100	1.41	46	--	3H	3W	Interval contains cave
32.61	35.66	3.05	1.9	62	0.47	15	--	3H	2W	
35.66	38.71	3.05	2.71	89	1.28	42	--	2H	2W	Contains oxidized gouge seam
38.71	41.76	3.05	2.9	95	0.79	26	--	3H	2W	
41.76	44.81	3.05	2.31	76	1.27	42	--	4H	1W	
44.81	47.85	3.04	3	99	1.51	50	--	3H	2W	
47.85	50.90	3.05	3	98	1.18	39	--	3H	3W	
50.90	53.95	3.05	2.82	92	0.86	28	--	2H	4W	
53.95	57.00	3.05	3.04	100	0.72	24	--	2H	4W	
57.00	60.05	3.05	3.02	99	1.57	51	--	3H	2W	
60.05	63.09	3.04	2.91	96	1.50	49	--	3H	2W	
63.09	66.14	3.05	3	98	2.55	84	--	3H	2W	
66.14	69.18	3.04	3.04	100	2.82	93	--	3H	2W	
69.18	72.23	3.05	3.03	99	2.32	76	--	3H	2W	
72.23	75.28	3.05	3.04	100	2.03	67	--	4H	2W	
75.28	78.33	3.05	2.99	98	2.96	97	--	4H	2W	
78.33	81.38	3.05	3.05	100	1.66	54	--	4H	2W	
81.38	84.42	3.04	2.81	92	2.28	75	--	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.42	87.47	3.05	2.8	92	1.79	59	--	3H	2W	
87.47	90.52	3.05	3.04	100	1.93	63	--	3H	1W	
90.52	93.57	3.05	3.05	100	2.03	67	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.24	73	--	4H	1W	
96.62	99.67	3.05	3.03	99	1.97	65	--	3H	1W	
99.67	102.72	3.05	3.05	100	1.36	45	--	3H	1W	
102.72	105.77	3.05	3	98	0.81	27	--	2H	1W	
105.77	108.81	3.04	2.99	98	1.28	42	--	3H	1W	
108.81	111.86	3.05	3.05	100	1.88	62	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.19	72	--	3H	2W	
114.91	117.96	3.05	2.98	98	1.99	65	--	3H	2W	
117.96	121.00	3.04	2.87	94	2.15	71	--	3H	2W	
121.00	124.05	3.05	2.83	93	2.00	66	--	3H	2W	
124.05	127.10	3.05	2.98	98	2.04	67	--	4H	2W	
127.10	130.15	3.05	2.97	97	2.12	70	--	4H	1W	
130.15	133.20	3.05	3.01	99	2.34	77	--	3H	1W	
133.20	136.25	3.05	2.99	98	1.33	44	--	3H	1W	
136.25	139.29	3.04	2.79	92	1.91	63	--	3H	1W	
139.29	142.34	3.05	2.81	92	0.52	17	--	3H	1W	
142.34	145.39	3.05	3.03	99	2.81	92	--	4H	1W	
145.39	148.44	3.05	3.04	100	2.77	91	--	5H	1W	
148.44	151.49	3.05	3.04	100	2.39	78	--	5H	1W	
151.49	154.53	3.04	3.04	100	2.17	71	--	5H	1W	
154.53	157.58	3.05	3.01	99	2.52	83	--	4H	2W	
157.58	160.63	3.05	2.86	94	1.74	57	--	4H	3W	
160.63	163.68	3.05	2.9	95	1.61	53	--	4H	2W	
163.68	166.73	3.05	2.93	96	1.61	53	--	4H	2W	
166.73	169.77	3.04	2.88	95	1.71	56	--	4H	2W	
169.77	172.82	3.05	2.86	94	1.34	44	--	5H	5W	
172.82	175.87	3.05	3.04	100	2.29	75	--	4H	1W	
175.87	178.92	3.05	2.99	98	1.24	41	--	3H	1W	Rubble zone at beginning of interval

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	3.05	100	1.80	59	--	3H	1W	
181.97	185.01	3.04	3.04	100	2.00	66	--	3H	1W	
185.01	188.06	3.05	2.96	97	1.13	37	--	4H	1W	
188.06	191.11	3.05	3.05	100	2.53	83	--	4H	1W	
191.11	194.16	3.05	2.97	97	2.41	79	--	5H	1W	
194.16	197.21	3.05	3.05	100	2.25	74	--	4H	1W	
197.21	200.25	3.04	3.03	100	1.04	34	--	4H	1W	
200.25	203.30	3.05	3.05	100	1.65	54	--	3H	1W	
203.30	206.35	3.05	3.05	100	0.91	30	--	3H	1W	
206.35	209.40	3.05	3.05	100	2.25	74	--	3H	1W	
209.40	212.45	3.05	3	98	2.41	79	--	3H	1W	
212.45	215.49	3.04	3.01	99	2.51	83	--	2H	1W	
215.49	218.54	3.05	3.05	100	2.71	89	--	3H	1W	
218.54	221.59	3.05	3.05	100	2.31	76	--	1H	1W	
221.59	224.64	3.05	3.05	100	2.56	84	--	3H	1W	
224.64	227.69	3.05	2.95	97	2.08	68	--	3H	1W	
227.69	230.73	3.04	3.04	100	2.62	86	--	3H	1W	
230.73	233.78	3.05	2.99	98	2.47	81	--	3H	1W	
233.78	236.83	3.05	3.05	100	2.97	97	--	4H	1W	
236.83	239.88	3.05	3	98	2.85	93	--	3H	1W	
239.88	242.93	3.05	3.05	100	2.48	81	--	3H	1W	
242.93	245.97	3.04	3.04	100	2.91	96	--	3H	1W	
245.97	249.02	3.05	3.05	100	3.05	100	--	3H	1W	
249.02	252.07	3.05	3.05	100	2.56	84	--	3H	1W	
252.07	255.12	3.05	2.93	96	2.65	87	--	3H	1W	
255.12	258.17	3.05	3.02	99	2.75	90	--	4H	1W	
258.17	261.21	3.04	3.02	99	1.36	45	--	4H	1W	
261.21	264.26	3.05	3.05	100	1.91	63	--	3H	1W	
264.26	267.31	3.05	3.04	100	2.76	90	--	4H	1W	
267.31	270.36	3.05	3.05	100	1.71	56	--	4H	1W	
270.36	273.41	3.05	3.05	100	1.97	65	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
273.41	276.45	3.04	3.02	99	1.80	59	--	4H	1W	
276.45	279.50	3.05	3	98	1.77	58	--	4H	1W	
279.50	282.55	3.05	3.05	100	2.30	75	--	4H	1W	
282.55	285.60	3.05	3.05	100	2.11	69	--	4H	2W	
285.60	288.65	3.05	2.84	93	1.60	52	--	2H	3W	
288.65	291.69	3.04	3.04	100	1.81	60	--	3H	2W	
291.69	294.74	3.05	2.94	96	1.37	45	--	3H	3W	
294.74	297.79	3.05	3	98	1.22	40	--	2H	3W	
297.79	300.84	3.05	3.02	99	2.59	85	--	4H	1W	
300.84	303.89	3.05	3	98	2.56	84	--	4H	2W	
303.89	306.93	3.04	3.02	99	2.97	98	--	4H	2W	
306.93	309.98	3.05	3.04	100	2.24	73	--	4H	1W	
309.98	313.03	3.05	3.04	100	2.95	97	--	4H	1W	
313.03	316.08	3.05	3	98	2.80	92	--	4H	1W	
316.08	319.13	3.05	3.04	100	2.42	79	--	4H	2W	
319.13	322.17	3.04	2.92	96	1.08	36	--	3H	2W	
322.17	325.22	3.05	3.05	100	1.98	65	--	3H	2W	
325.22	328.27	3.05	3.03	99	2.46	81	--	4H	2W	
328.27	331.32	3.05	2.99	98	2.38	78	--	4H	2W	
331.32	334.37	3.05	3.05	100	3.00	98	--	4H	1W	
334.37	337.41	3.04	3.04	100	1.81	60	--	4H	2W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	Cased
2	5.91	VOL	
3	0	VOL	Rubble
4	3.63	VOL	
5	19.2	VOL	
6	10.3	VOL	
7	0.928	VOL	
8	0.313	VOL	
9	0.763	VOL	
10	30.7	VOL	
11	1.01	VOL	
12	0.228	VOL	
13	0.345	VOL	
14	0.274	VOL	
15	0.276	GRD	
16	0.278	GRD	
17	0.496	GRD	
18	0.184	GRD	
19	0.204	GRD	
20	0.155	GRD	
21	0.841	GRD	
22	0.667	GRD	
23	0.431	GRD	
24	0.414	GRD	
25	13.1	GRD	
26	0.22	GRD	
27	0.216	GRD	
28	0.561	GRD	
29	0.206	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.301	GRD	
31	0.326	GRD	
32	0.222	GRD	
33	0.505	GRD	
34	0.471	GRD	
35	0.176	GRD	
36	0.309	GRD	
37	0.147	GRD	
38	0.257	GRD	
39	0.156	GRD	
40	0.169	GRD	
41	0.496	GRD	
42	0.223	GRD	
43	0.208	GRD	
44	0.217	GRD	
45	0.216	GRD	
46	0.2	GRD	
47	0.259	GRD	
48	0.225	GRD	
49	0.214	QFP	
50	0.134	QFP	
51	0.059	QFP	
52	0.149	GRD	Rubble
53	0.22	GRD	
54	0.356	GRD	Rubble
55	1.04	GRD	
56	0.526	GRD	
57	1.26	GRD	
58	1.96	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	34.3	GRD	
60	1.06	GRD	Rubble
61	0.391	GRD	
62	0.653	GRD	
63	0.723	GRD	
64	0.386	GRD	
65	0.147	GRD	
66	0.426	GRD	
67	0.282	GRD	
68	0.256	GRD	
69	0.251	GRD	
70	0.456	GRD	
71	0.224	GRD	
72	0.369	GRD	
73	0.205	GRD	
74	0.348	GRD	
75	0.272	GRD	
76	0.308	GRD	
77	0.244	GRD	
78	0.244	GRD	
79	1.99	GRD	
80	0.385	GRD	
81	0.26	GRD	
82	0.125	GRD	
83	0.189	GRD	
84	0.484	GRD	
85	0.213	GRD	
86	0.168	GRD	
87	0.153	GRD	
88	0.222	GRD	
89	0.33	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	0.159	GRD	
91	0.166	GRD	
92	0.239	GRD	
93	0.303	GRD	
94	0.452	GRD	
95	8.64	GRD	
96	0.517	GRD	
97	0.221	GRD	
98	0.353	GRD	
99	0.269	GRD	
100	0.396	GRD	
101	0.354	GRD	
102	0.284	GRD	
103	2.28	GRD	
104	17.6	GRD	
105	13.2	GRD	
106	0.537	GRD	
107	5.79	GRD	
108	0.411	GRD	
109	0.415	GRD	
110	0.914	GRD	
111	0.694	GRD	
112	4.91	GRD	
113	5.34	GRD	
114	0.615	GRD	
115	0.307	GRD	
116	0.337	GRD	
117	0.243	GRD	
118	0.234	GRD	
119	0.572	GRD	
120	0.251	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.353	GRD	
122	2.34	GRD	
123	0.18	GRD	
124	0.591	GRD	
125	0.355	GRD	
126	0.161	GRD	
127	0.354	GRD	
128	0.662	GRD	
129	0.45	GRD	
130	0.72	GRD	
131	0.263	GRD	
132	0.187	GRD	
133	0.294	GRD	
134	0.434	GRD	
135	0.196	GRD	
136	0.337	GRD	
137	0.586	GRD	
138	0.562	GRD	
139	0.198	GRD	
140	0.856	GRD	
141	4.94	GRD	
142	6.28	GRD	
143	0.139	GRD	
144	0.17	GRD	
145	0.297	GRD	
146	29.8	GRD	
147	3.54	GRD	
148	0.223	GRD	
149	0.415	GRD	
150	36.2	GRD	
151	0.491	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
152	18.6	GRD	
153	1.01	GRD	
154	23.5	GRD	
155	25.9	GRD	
156	15.1	GRD	
157	0.57	GRD	
158	24.7	GRD	
159	6.76	GRD	
160	2.01	GRD	
161	22.3	GRD	
162	8.07	GRD	
163	20.1	GRD	
164	8.76	GRD	
165	7.32	GRD	
166	9.29	GRD	
167	4.47	GRD	
168	0.305	GRD	
169	6.6	GRD	
170	0.39	GRD	
170	0.309	GRD	
171	25.2	GRD	
172	0.809	GRD	
173	0.297	GRD	
174	0.103	GRD	
175	0.149	GRD	
176	0.07	GRD	
177	0.192	GRD	
178	3.83	GRD	
179	0.489	GRD	
180	0.216	GRD	
181	0.138	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	0.35	GRD	
183	0.144	GRD	
184	0.152	GRD	
185	8.26	GRD	
186	7.75	GRD	
187	2.4	GRD	
188	4.32	GRD	
189	32.7	GRD	
190	0.236	GRD	
191	8.66	GRD	
192	2	GRD	
193	10.9	GRD	
194	1.75	GRD	
195	3.59	GRD	
196	24.9	GRD	
197	5.57	GRD	
198	2.05	GRD	
199	23.8	GRD	
200	14.5	GRD	
201	1.58	GRD	
202	0.441	GRD	
203	2.48	GRD	
204	2.41	GRD	
205	8.2	GRD	
206	0.57	GRD	
207	2.19	GRD	
208	0.316	GRD	
209	0.264	GRD	
210	0.129	GRD	
211	0.001	VEN	
212	0.107	VEN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
213	0.134	GRD	
214	0.131	GRD	
215	0.216	GRD	
216	0.297	GRD	
217	0.248	GRD	
218	0.44	GRD	
219	0.547	GRD	
220	0.202	GRD	
221	0.306	GRD	
222	29.5	GRD	
223	0.256	GRD	
224	0.596	GRD	
225	9.45	GRD	
226	8.98	GRD	
227	37.2	GRD	
228	9.93	GRD	
229	10.7	GRD	
230	13.4	GRD	
231	0.253	GRD	
232	1.45	GRD	
233	11	GRD	
234	1.85	GRD	
235	1.98	GRD	
236	0.351	GRD	
237	0.402	GRD	
238	0.193	GRD	
239	0.498	GRD	
240	0.482	GRD	
241	9.65	GRD	
242	5.92	GRD	
243	16	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
244	0.25	GRD	
245	0.419	GRD	
246	2.78	GRD	
247	0.049	GRD	
248	0.301	GRD	
249	0.21	GRD	
250	0.894	GRD	
251	4.66	GRD	
252	0.483	GRD	
253	0.409	GRD	
254	0.377	GRD	
255	0.196	GRD	
256	0.139	GRD	
257	0.329	GRD	
258	0.135	GRD	
259	0.31	GRD	
260	8.83	GRD	
261	24.8	GRD	
262	8.62	GRD	
263	0.223	GRD	
264	0.436	GRD	
265	0.166	GRD	
266	0.226	GRD	
267	0.156	GRD	
268	0.245	GRD	
269	2.77	GRD	
270	0.719	GRD	
271	1.23	GRD	
272	0.553	GRD	
273	19.4	GRD	
274	0.259	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
275	0.171	GRD	
276	0.381	GRD	
277	0.486	GRD	
278	0.308	QFP	
279	0.464	QFP	
280	0.422	QFP	
281	0.354	QFP	
282	0.292	QFP	
283	0.241	QFP	
284	0.141	GRD	
285	0.209	GRD	
286	0.233	GRD	
287	0.758	GRD	
288	0.068	GRD	
289	0.312	GRD	
290	0.125	GRD	
291	0.248	GRD	
292	0.133	GRD	
293	0.359	GRD	
294	0.195	GRD	
295	0.406	GRD	
296	17.5	GRD	
297	0.807	GRD	
298	0.638	GRD	
299	5.92	GRD	
300	0.421	GRD	
301	0.42	GRD	
302	18.7	GRD	
303	0.74	GRD	
304	0.308	GRD	
305	0.306	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
306	0.293	GRD	
307	0.247	GRD	
308	0.181	GRD	
309	0.125	GRD	
310	0.148	GRD	
311	0.283	GRD	
312	0.039	GRD	
313	0.224	GRD	
314	0.409	GRD	
315	0.214	GRD	
316	0.306	GRD	
317	1.33	GRD	
318	0.299	GRD	
319	0.34	GRD	
320	0.433	GRD	
321	0.841	GRD	
322	17.8	GRD	
323	0.311	GRD	
324	1.46	GRD	
325	8.04	GRD	
326	0.454	GRD	
327	0.651	GRD	
328	0.177	GRD	
329	0.252	GRD	
330	0.178	GRD	
331	0.018	GRD	
332	0.219	GRD	
333	0.31	GRD	
334	5.28	GRD	
335	0.204	GRD	
336	0.312	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
337	0.135	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614584	☐	16-079		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614683	☐	16-084			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614680	☐	16-084		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614671	☐	16-084		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614657	☐	16-084			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614652	☐	16-083			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614645	☐	16-083			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614639	☐	16-083		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614633	☐	16-083		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292776	☐	16-060	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614594	☐	16-079			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614580	☐	16-078			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614570	☐	16-078			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614566	☐	16-078		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614554	☐	16-078		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614539	☐	16-076			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614531	☐	16-076		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614522	☐	16-076			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614514	☐	16-079		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292778	☐	16-060	HG	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614607	☐	16-079		KL-STD6	☐	☐	☐
12.75	14.10	1.35	VOL, VOL	1.35	100	R614512	☐	16-076			☐	☐	☐
17.63	19.92	2.29	GRD	1.92	84	R614513	☐	16-076			☐	☐	☐
19.92	21.75	1.83	GRD	1.54	84	R614515	☐	16-076			☐	☐	☐
21.75	22.28	0.53	GRD	0.53	100	R614516	☐	16-076			☐	☐	☐
22.28	23.15	0.87	GRD	0.83	95	R614517	☐	16-076			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
23.15	24.85	1.70	GRD	1.65	97	R614518	☐	16-076			☐	☐	☐
23.15	24.85	1.70	GRD	1.65	97	R614519	☐	16-076			☐	☐	☑
24.85	27.12	2.27	GRD	2.27	100	R614520	☐	16-076			☐	☐	☐
27.12	27.60	0.48	GRD	0.48	100	R614521	☐	16-076			☐	☐	☐
27.60	29.76	2.16	GRD	1.71	79	R614523	☐	16-076			☐	☐	☐
29.76	30.90	1.14	GRD	1.14	100	R614524	☐	16-076			☐	☐	☐
29.76	30.90	1.14	GRD	1.14	100	R614525	☐	16-076			☐	☑	☐
30.90	31.85	0.95	GRD	0.95	100	R614526	☐	16-076			☐	☐	☐
31.85	33.19	1.34	GRD	1.29	96	R614527	☐	16-076			☐	☐	☐
33.19	35.17	1.98	GRD	0.65	33	R614528	☐	16-076			☐	☐	☐
35.17	35.82	0.65	GRD, GRD	0.65	100	R614529	☐	16-076			☐	☐	☐
35.82	36.28	0.46	GRD	0.46	100	K292774	☐	16-060	HG		☐	☐	☐
36.28	36.58	0.30	GRD	0.30	100	K292775	☐	16-060	HG		☐	☐	☐
36.58	37.65	1.07	GRD	0.57	53	K292777	☐	16-060	HG		☐	☐	☐
37.65	38.14	0.49	GRD	0.49	100	R614530	☐	16-076			☐	☐	☐
38.14	38.96	0.82	GRD	0.82	100	R614532	☐	16-076			☐	☐	☐
38.96	40.97	2.01	GRD	1.48	74	R614533	☐	16-076			☐	☐	☐
40.97	42.97	2.00	GRD, GRD	2.00	100	R614534	☐	16-076			☐	☐	☐
42.97	44.81	1.84	GRD	0.87	47	R614535	☐	16-076			☐	☐	☐
44.81	46.40	1.59	GRD	1.49	94	R614536	☐	16-076			☐	☐	☐
46.40	47.53	1.13	GRD	1.01	89	R614537	☐	16-076			☐	☐	☐
47.53	48.20	0.67	GRD, GRD	0.67	100	R614538	☐	16-076			☐	☐	☐
48.20	48.71	0.51	GRD	0.51	100	R614540	☐	16-076			☐	☐	☐
48.71	49.71	1.00	GRD, QFP	0.69	69	R614541	☐	16-076			☐	☐	☐
49.71	51.30	1.59	QFP	1.48	93	R614542	☐	16-076			☐	☐	☐
51.30	52.42	1.12	QFP, GRD	0.63	56	R614543	☐	16-076			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
52.42	53.32	0.90	GRD	0.90	100	R614544	☐	16-076			☐	☐	☐
53.32	53.95	0.63	GRD	0.63	100	R614545	☐	16-076			☐	☐	☐
53.95	54.55	0.60	GRD, GRD	0.57	95	R614546	☐	16-076			☐	☐	☐
54.55	56.05	1.50	GRD	1.05	70	R614547	☐	16-078			☐	☐	☐
56.05	57.00	0.95	GRD	0.95	100	R614548	☐	16-078			☐	☐	☐
57.00	59.48	2.48	GRD	2.25	91	R614549	☐	16-078			☐	☐	☐
57.00	59.48	2.48	GRD	2.25	91	R614550	☐	16-078			☐	☐	☑
59.48	61.05	1.57	GRD	1.15	73	R614551	☐	16-078			☐	☐	☐
61.05	62.10	1.05	GRD	1.04	99	R614552	☐	16-078			☐	☐	☐
62.10	63.27	1.17	GRD	1.17	100	R614553	☐	16-078			☐	☐	☐
63.27	64.56	1.29	GRD	1.15	89	R614555	☐	16-078			☐	☐	☐
64.56	65.11	0.55	GRD	0.52	95	R614556	☐	16-078			☐	☐	☐
65.11	66.14	1.03	GRD	0.96	93	R614557	☐	16-078			☐	☐	☐
66.14	67.75	1.61	GRD	1.60	99	R614558	☐	16-078			☐	☐	☐
66.14	67.75	1.61	GRD	1.60	99	R614559	☐	16-078			☐	☑	☐
67.75	68.80	1.05	GRD	1.05	100	R614560	☐	16-078			☐	☐	☐
68.80	70.43	1.63	GRD	1.61	99	R614561	☐	16-078			☐	☐	☐
70.43	72.93	2.50	GRD	2.46	98	R614562	☐	16-078			☐	☐	☐
72.93	74.25	1.32	GRD	1.28	97	R614563	☐	16-078			☐	☐	☐
74.25	75.16	0.91	GRD	0.85	93	R614564	☐	16-078			☐	☐	☐
75.16	76.53	1.37	GRD	1.37	100	R614565	☐	16-078			☐	☐	☐
76.53	78.53	2.00	GRD	1.86	93	R614567	☐	16-078			☐	☐	☐
78.53	79.50	0.97	GRD	0.94	97	R614568	☐	16-078			☐	☐	☐
79.50	81.38	1.88	GRD	1.28	68	R614569	☐	16-078			☐	☐	☐
81.38	84.42	3.04	GRD	2.86	94	R614571	☐	16-078			☐	☐	☐
84.42	85.55	1.13	GRD	1.13	100	R614572	☐	16-078			☐	☐	☐
85.55	87.47	1.92	GRD	1.75	91	R614573	☐	16-078			☐	☐	☐
87.47	89.40	1.93	GRD	1.79	93	R614574	☐	16-078			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
89.40	91.00	1.60	GRD	1.60	100	R614575	☐	16-078			☐	☐	☐
91.00	92.86	1.86	GRD	1.16	62	R614576	☐	16-078			☐	☐	☐
98.47	99.66	1.19	GRD	1.19	100	R614577	☐	16-078			☐	☐	☐
99.66	101.25	1.59	GRD	1.32	83	R614578	☐	16-078			☐	☐	☐
101.25	101.83	0.58	GRD	0.58	100	R614579	☐	16-078			☐	☐	☐
101.83	103.07	1.24	GRD	1.23	99	R614581	☐	16-078			☐	☐	☐
115.01	116.00	0.99	GRD	0.98	99	R614582	☐	16-078			☐	☐	☐
116.00	116.63	0.63	GRD	0.63	100	R614583	☐	16-079			☐	☐	☐
116.63	118.67	2.04	GRD	1.98	97	R614585	☐	16-079			☐	☐	☐
118.67	119.71	1.04	GRD	1.00	96	R614586	☐	16-079			☐	☐	☐
119.71	121.00	1.29	GRD	1.26	98	R614587	☐	16-079			☐	☐	☐
119.71	121.00	1.29	GRD	1.26	98	R614588	☐	16-079			☐	☑	☐
121.00	122.97	1.97	GRD	1.91	97	R614589	☐	16-079			☐	☐	☐
122.97	123.65	0.68	GRD	0.66	97	R614590	☐	16-079			☐	☐	☐
123.65	125.36	1.71	GRD	1.53	89	R614591	☐	16-079			☐	☐	☐
125.36	126.00	0.64	GRD	0.64	100	R614592	☐	16-079			☐	☐	☐
126.00	126.50	0.50	GRD	0.48	96	R614593	☐	16-079			☐	☐	☐
126.50	127.53	1.03	GRD	1.01	98	R614595	☐	16-079			☐	☐	☐
127.53	130.41	2.88	GRD	2.88	100	R614596	☐	16-079			☐	☐	☐
127.53	130.41	2.88	GRD	2.88	100	R614597	☐	16-079			☐	☐	☑
130.41	132.82	2.41	GRD	2.41	100	R614598	☐	16-079			☐	☐	☐
132.82	134.47	1.65	GRD	1.65	100	R614599	☐	16-079			☐	☐	☐
134.47	135.41	0.94	GRD	0.92	98	R614600	☐	16-079			☐	☐	☐
166.36	167.84	1.48	GRD	1.46	99	R614601	☐	16-079			☐	☐	☐
167.84	169.77	1.93	GRD	1.63	84	R614602	☐	16-079			☐	☐	☐
169.77	172.82	3.05	GRD	2.66	87	R614603	☐	16-079			☐	☐	☐
172.82	173.94	1.12	GRD	1.12	100	R614604	☐	16-079			☐	☐	☐
173.94	175.87	1.93	GRD	1.86	96	R614605	☐	16-079			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
175.87	177.60	1.73	GRD	1.39	80	R614606	☐	16-079			☐	☐	☐
177.60	179.74	2.14	GRD	2.02	94	R614608	☐	16-079			☐	☐	☐
179.74	181.97	2.23	GRD	2.17	97	R614609	☐	16-079			☐	☐	☐
181.97	184.71	2.74	GRD	2.73	100	R614610	☐	16-079			☐	☐	☐
206.65	208.61	1.96	GRD, GRD	1.96	100	R614611	☐	16-079			☐	☐	☐
208.61	209.50	0.89	GRD	0.87	98	R614612	☐	16-079			☐	☐	☐
209.50	210.22	0.72	GRD	0.61	85	R614613	☐	16-079			☐	☐	☐
210.22	210.73	0.51	VEN, GRD	0.50	98	K292780	☐	16-060	HG		☐	☐	☐
210.73	211.34	0.61	VEN	0.61	100	K292781	☐	16-060	HG		☐	☐	☐
211.34	212.14	0.80	VEN	0.80	100	K292782	☐	16-060	HG		☐	☐	☐
212.14	212.64	0.50	VEN	0.50	100	K292783	☐	16-060	HG		☐	☐	☐
212.64	213.43	0.79	GRD, VEN	0.79	100	R614615	☐	16-079			☐	☐	☐
213.43	214.32	0.89	GRD	0.89	100	R614616	☐	16-079			☐	☐	☐
214.32	217.00	2.68	GRD	2.66	99	R614617	☐	16-079			☐	☐	☐
217.00	218.32	1.32	GRD	1.32	100	R614618	☐	16-079			☐	☐	☐
218.32	220.07	1.75	GRD	1.75	100	R614619	☐	16-083			☐	☐	☐
220.07	221.09	1.02	GRD	1.02	100	R614620	☐	16-083			☐	☐	☐
231.22	231.96	0.74	GRD	0.70	95	R614621	☐	16-083			☐	☐	☐
231.96	233.78	1.82	GRD	1.82	100	R614622	☐	16-083			☐	☐	☐
231.96	233.78	1.82	GRD	1.82	100	R614623	☐	16-083			☐	☐	☑
233.78	235.12	1.34	GRD	1.33	99	R614624	☐	16-083			☐	☐	☐
235.12	238.03	2.91	GRD	2.91	100	R614625	☐	16-083			☐	☐	☐
238.03	239.22	1.19	GRD	1.15	97	R614626	☐	16-083			☐	☐	☐
239.22	240.34	1.12	GRD	1.11	99	R614627	☐	16-083			☐	☐	☐
239.22	240.34	1.12	GRD	1.11	99	R614628	☐	16-083			☐	☑	☐
240.34	243.34	3.00	GRD	2.91	97	R614629	☐	16-083			☐	☐	☐
243.34	245.46	2.12	GRD	2.12	100	R614630	☐	16-083			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
245.46	246.84	1.38	GRD	1.38	100	R614631	☐	16-083			☐	☐	☐
246.84	248.13	1.29	GRD	1.29	100	R614632	☐	16-083			☐	☐	☐
248.13	249.14	1.01	GRD	0.91	90	R614634	☐	16-083			☐	☐	☐
249.14	249.64	0.50	GRD	0.50	100	R614635	☐	16-083			☐	☐	☐
249.64	252.07	2.43	GRD	2.43	100	R614636	☐	16-083			☐	☐	☐
252.07	253.75	1.68	GRD	1.68	100	R614637	☐	16-083			☐	☐	☐
253.75	255.42	1.67	GRD	1.54	92	R614638	☐	16-083			☐	☐	☐
255.42	256.56	1.14	GRD	1.06	93	R614640	☐	16-083			☐	☐	☐
256.56	258.17	1.61	GRD	1.61	100	R614641	☐	16-083			☐	☐	☐
263.08	263.87	0.79	GRD	0.78	99	R614642	☐	16-083			☐	☐	☐
263.87	265.16	1.29	GRD	1.29	100	R614643	☐	16-083			☐	☐	☐
265.16	266.12	0.96	GRD	0.96	100	R614644	☐	16-083			☐	☐	☐
266.12	268.02	1.90	GRD	1.83	96	R614646	☐	16-083			☐	☐	☐
268.02	269.68	1.66	GRD	1.48	89	R614647	☐	16-083			☐	☐	☐
269.68	271.61	1.93	GRD	1.93	100	R614648	☐	16-083			☐	☐	☐
271.61	273.10	1.49	GRD	1.29	87	R614649	☐	16-083			☐	☐	☐
273.10	274.60	1.50	GRD	1.42	95	R614650	☐	16-083			☐	☐	☐
274.60	275.26	0.66	GRD	0.58	88	R614651	☐	16-083			☐	☐	☐
275.26	277.62	2.36	GRD	2.09	89	R614653	☐	16-083			☐	☐	☐
283.60	285.60	2.00	QFP, GRD	2.00	100	R614654	☐	16-083			☐	☐	☐
285.60	286.87	1.27	GRD	1.27	100	R614655	☐	16-084			☐	☐	☐
286.87	289.74	2.87	GRD	2.38	83	R614656	☐	16-084			☐	☐	☐
289.74	291.63	1.89	GRD	1.87	99	R614658	☐	16-084			☐	☐	☐
291.63	293.10	1.47	GRD	1.47	100	R614659	☐	16-084			☐	☐	☐
293.10	294.22	1.12	GRD	0.75	67	R614660	☐	16-084			☐	☐	☐
294.22	295.48	1.26	GRD	1.23	98	R614661	☐	16-084			☐	☐	☐
294.22	295.48	1.26	GRD	1.23	98	R614662	☐	16-084			☐	☐	☑
304.24	306.23	1.99	GRD	1.91	96	R614663	☐	16-084			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
306.23	307.82	1.59	GRD	1.59	100	R614664	☐	16-084			☐	☐	☐
307.82	309.98	2.16	GRD	2.10	97	R614665	☐	16-084			☐	☐	☐
309.98	311.44	1.46	GRD	1.41	97	R614666	☐	16-084			☐	☐	☐
311.44	313.03	1.59	GRD	1.59	100	R614667	☐	16-084			☐	☐	☐
311.44	313.03	1.59	GRD	1.59	100	R614668	☐	16-084			☐	☑	☐
313.03	314.83	1.80	GRD	1.58	88	R614669	☐	16-084			☐	☐	☐
314.83	316.46	1.63	GRD	1.63	100	R614670	☐	16-084			☐	☐	☐
316.46	318.04	1.58	GRD	1.58	100	R614672	☐	16-084			☐	☐	☐
318.04	319.30	1.26	GRD	1.24	98	R614673	☐	16-084			☐	☐	☐
319.30	319.82	0.52	GRD	0.52	100	R614674	☐	16-084			☐	☐	☐
319.82	320.90	1.08	GRD	1.03	95	R614675	☐	16-084			☐	☐	☐
320.90	323.20	2.30	GRD	2.08	90	R614676	☐	16-084			☐	☐	☐
323.20	324.58	1.38	GRD	1.38	100	R614677	☐	16-084			☐	☐	☐
324.58	326.76	2.18	GRD	2.18	100	R614678	☐	16-084			☐	☐	☐
326.76	328.49	1.73	GRD	1.66	96	R614679	☐	16-084			☐	☐	☐
328.49	329.61	1.12	GRD	1.04	93	R614681	☐	16-084			☐	☐	☐
329.61	329.92	0.31	GRD	0.30	97	R614682	☐	16-084			☐	☐	☐
329.92	330.61	0.69	GRD	0.55	80	R614684	☐	16-084			☐	☐	☐
330.61	331.63	1.02	GRD	1.01	99	R614685	☐	16-084			☐	☐	☐
331.63	334.30	2.67	GRD	2.67	100	R614686	☐	16-084			☐	☐	☐
334.30	335.82	1.52	GRD	1.52	100	R614687	☐	16-084			☐	☐	☐
335.82	337.41	1.59	GRD	1.59	100	R614688	☐	16-084			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	12.75			☐	☐	☐	☐	
16-078	R614554	0.00	0.00	4.43	700	☐	☐	☐	☑ KL-STD1	
16-078	R614566	0.00	0.00	1.70	100	☐	☐	☐	☑ KL-STD6	
16-078	R614570	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-078	R614580	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-060	K292776	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-060	K292778	0.00	0.00	14.35	600	☐	☐	☐	☑ ME-1402	
16-076	R614522	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-076	R614531	0.00	0.00	1.69	350	☐	☐	☐	☑ KL-STD6	
16-076	R614539	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-084	R614657	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-084	R614671	0.00	0.00	0.36	810	☐	☐	☐	☑ KL-STD4	
16-084	R614680	0.00	0.00	1.73	1440	☐	☐	☐	☑ KL-STD6	
16-084	R614683	0.00	0.00	0.00	30	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-083	R614633	0.00	0.00	0.41	830	☐	☐	☐	☑ KL-STD4	
16-083	R614639	0.00	0.00	1.73	470	☐	☐	☐	☑ KL-STD6	
16-083	R614645	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-083	R614652	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-079	R614584	0.00	0.00	0.35	1040	☐	☐	☐	☑ KL-STD4	
16-079	R614594	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-079	R614607	0.00	0.00	1.83	580	☐	☐	☐	☑ KL-STD6	
16-079	R614514	0.00	0.00	4.42	590	☐	☐	☐	☑ KL-STD1	
16-076	R614512	12.75	14.10	0.16	780	☐	☐	☐	☐	
		14.10	17.63			☐	☐	☐	☐	
16-076	R614513	17.63	19.92	0.13	1200	☐	☐	☐	☐	
16-076	R614515	19.92	21.75	0.08	1520	☐	☐	☐	☐	
16-076	R614516	21.75	22.28	0.08	1020	☐	☐	☐	☐	
16-076	R614517	22.28	23.15	0.12	980	☐	☐	☐	☐	
16-076	R614518	23.15	24.85	0.09	1780	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-076	R614519	23.15	24.85	0.07	1360	☐	☑	☐	☐	
16-076	R614520	24.85	27.12	0.07	2180	☐	☐	☐	☐	
16-076	R614521	27.12	27.60	3.39	180	☐	☐	☐	☐	
16-076	R614523	27.60	29.76	0.09	2070	☐	☐	☐	☐	
16-076	R614524	29.76	30.90	0.06	1090	☐	☐	☐	☐	
16-076	R614525	29.76	30.90	0.05	1300	☑	☐	☐	☐	
16-076	R614526	30.90	31.85	0.06	850	☐	☐	☐	☐	
16-076	R614527	31.85	33.19	0.08	2060	☐	☐	☐	☐	
16-076	R614528	33.19	35.17	0.08	2330	☐	☐	☐	☐	
16-076	R614529	35.17	35.82	0.35	470	☐	☐	☐	☐	
16-060	K292774	35.82	36.28	0.10	630	☐	☐	☐	☐	
16-060	K292775	36.28	36.58	0.23	630	☐	☐	☐	☐	
16-060	K292777	36.58	37.65	0.20	490	☐	☐	☐	☐	
16-076	R614530	37.65	38.14	0.34	490	☐	☐	☐	☐	
16-076	R614532	38.14	38.96	0.13	590	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-076	R614533	38.96	40.97	0.09	600	☐	☐	☐	☐	
16-076	R614534	40.97	42.97	0.06	1460	☐	☐	☐	☐	
16-076	R614535	42.97	44.81	0.04	650	☐	☐	☐	☐	
16-076	R614536	44.81	46.40	0.12	1270	☐	☐	☐	☐	
16-076	R614537	46.40	47.53	0.08	1170	☐	☐	☐	☐	
16-076	R614538	47.53	48.20	0.33	100	☐	☐	☐	☐	
16-076	R614540	48.20	48.71	2.79	20	☐	☐	☐	☐	
16-076	R614541	48.71	49.71	0.01	840	☐	☐	☐	☐	
16-076	R614542	49.71	51.30	0.04	770	☐	☐	☐	☐	
16-076	R614543	51.30	52.42	1.50	50	☐	☐	☐	☐	
16-076	R614544	52.42	53.32	0.08	300	☐	☐	☐	☐	
16-076	R614545	53.32	53.95	0.14	620	☐	☐	☐	☐	
16-076	R614546	53.95	54.55	0.06	890	☐	☐	☐	☐	
16-078	R614547	54.55	56.05	0.06	1990	☐	☐	☐	☐	
16-078	R614548	56.05	57.00	0.34	780	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-078	R614549	57.00	59.48	0.22	1930	☐	☐	☐	☐	
16-078	R614550	57.00	59.48	0.25	1980	☐	☑	☐	☐	
16-078	R614551	59.48	61.05	0.14	1800	☐	☐	☐	☐	
16-078	R614552	61.05	62.10	0.26	1220	☐	☐	☐	☐	
16-078	R614553	62.10	63.27	0.07	520	☐	☐	☐	☐	
16-078	R614555	63.27	64.56	0.07	1510	☐	☐	☐	☐	
16-078	R614556	64.56	65.11	0.18	350	☐	☐	☐	☐	
16-078	R614557	65.11	66.14	0.05	430	☐	☐	☐	☐	
16-078	R614558	66.14	67.75	0.06	550	☐	☐	☐	☐	
16-078	R614559	66.14	67.75	0.06	380	☑	☐	☐	☐	
16-078	R614560	67.75	68.80	0.09	450	☐	☐	☐	☐	
16-078	R614561	68.80	70.43	0.06	970	☐	☐	☐	☐	
16-078	R614562	70.43	72.93	0.10	470	☐	☐	☐	☐	
16-078	R614563	72.93	74.25	0.15	420	☐	☐	☐	☐	
16-078	R614564	74.25	75.16	0.16	270	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-078	R614565	75.16	76.53	0.13	1020	☐	☐	☐	☐	
16-078	R614567	76.53	78.53	0.10	790	☐	☐	☐	☐	
16-078	R614568	78.53	79.50	0.06	870	☐	☐	☐	☐	
16-078	R614569	79.50	81.38	0.10	880	☐	☐	☐	☐	
16-078	R614571	81.38	84.42	0.10	940	☐	☐	☐	☐	
16-078	R614572	84.42	85.55	0.49	170	☐	☐	☐	☐	
16-078	R614573	85.55	87.47	0.07	220	☐	☐	☐	☐	
16-078	R614574	87.47	89.40	0.07	780	☐	☐	☐	☐	
16-078	R614575	89.40	91.00	0.09	720	☐	☐	☐	☐	
16-078	R614576	91.00	92.86	0.18	150	☐	☐	☐	☐	
		92.86	98.47			☐	☐	☐	☐	
16-078	R614577	98.47	99.66	0.11	460	☐	☐	☐	☐	
16-078	R614578	99.66	101.25	0.10	1610	☐	☐	☐	☐	
16-078	R614579	101.25	101.83	0.25	1140	☐	☐	☐	☐	
16-078	R614581	101.83	103.07	0.08	530	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-078	R614582	115.01	116.00	0.11	130	☐	☐	☐	☐	
16-079	R614583	116.00	116.63	0.26	380	☐	☐	☐	☐	
16-079	R614585	116.63	118.67	0.10	1170	☐	☐	☐	☐	
16-079	R614586	118.67	119.71	0.11	1020	☐	☐	☐	☐	
16-079	R614587	119.71	121.00	0.05	1500	☐	☐	☐	☐	
16-079	R614588	119.71	121.00	0.06	1560	☑	☐	☐	☐	
16-079	R614589	121.00	122.97	0.06	2060	☐	☐	☐	☐	
16-079	R614590	122.97	123.65	0.41	550	☐	☐	☐	☐	
16-079	R614591	123.65	125.36	0.26	710	☐	☐	☐	☐	
16-079	R614592	125.36	126.00	0.07	660	☐	☐	☐	☐	
16-079	R614593	126.00	126.50	0.15	460	☐	☐	☐	☐	
16-079	R614595	126.50	127.53	0.35	860	☐	☐	☐	☐	
16-079	R614596	127.53	130.41	0.08	2100	☐	☐	☐	☐	
16-079	R614597	127.53	130.41	0.10	2180	☐	☑	☐	☐	
16-079	R614598	130.41	132.82	0.11	810	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-079	R614599	132.82	134.47	0.18	880	☐	☐	☐	☐	
16-079	R614600	134.47	135.41	0.05	1280	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-079	R614601	166.36	167.84	0.05	1360	☐	☐	☐	☐	
16-079	R614602	167.84	169.77	0.11	1330	☐	☐	☐	☐	
16-079	R614603	169.77	172.82	0.07	1440	☐	☐	☐	☐	
16-079	R614604	172.82	173.94	0.14	600	☐	☐	☐	☐	
16-079	R614605	173.94	175.87	0.28	220	☐	☐	☐	☐	
16-079	R614606	175.87	177.60	0.22	520	☐	☐	☐	☐	
16-079	R614608	177.60	179.74	0.05	510	☐	☐	☐	☐	
16-079	R614609	179.74	181.97	0.13	360	☐	☐	☐	☐	
16-079	R614610	181.97	184.71	0.14	780	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-079	R614611	206.65	208.61	0.06	2160	☐	☐	☐	☐	
16-079	R614612	208.61	209.50	0.14	750	☐	☐	☐	☐	
16-079	R614613	209.50	210.22	0.00	30	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-060	K292780	210.22	210.73	1.93	70	☐	☐	☐	☐	
16-060	K292781	210.73	211.34	0.22	250	☐	☐	☐	☐	
16-060	K292782	211.34	212.14	0.74	50	☐	☐	☐	☐	
16-060	K292783	212.14	212.64	0.49	340	☐	☐	☐	☐	
16-079	R614615	212.64	213.43	0.11	850	☐	☐	☐	☐	
16-079	R614616	213.43	214.32	0.08	1200	☐	☐	☐	☐	
16-079	R614617	214.32	217.00	0.02	2360	☐	☐	☐	☐	
16-079	R614618	217.00	218.32	0.02	1550	☐	☐	☐	☐	
16-083	R614619	218.32	220.07	0.03	2470	☐	☐	☐	☐	
16-083	R614620	220.07	221.09	0.15	1570	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-083	R614621	231.22	231.96	0.27	640	☐	☐	☐	☐	
16-083	R614622	231.96	233.78	0.01	2750	☐	☐	☐	☐	
16-083	R614623	231.96	233.78	0.01	2770	☐	☑	☐	☐	
16-083	R614624	233.78	235.12	0.02	3160	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-083	R614625	235.12	238.03	0.02	1850	☐	☐	☐	☐	
16-083	R614626	238.03	239.22	0.04	1670	☐	☐	☐	☐	
16-083	R614627	239.22	240.34	0.08	1660	☐	☐	☐	☐	
16-083	R614628	239.22	240.34	0.07	1610	☑	☐	☐	☐	
16-083	R614629	240.34	243.34	0.05	3020	☐	☐	☐	☐	
16-083	R614630	243.34	245.46	0.03	2180	☐	☐	☐	☐	
16-083	R614631	245.46	246.84	0.10	550	☐	☐	☐	☐	
16-083	R614632	246.84	248.13	0.04	2680	☐	☐	☐	☐	
16-083	R614634	248.13	249.14	0.09	1880	☐	☐	☐	☐	
16-083	R614635	249.14	249.64	0.56	560	☐	☐	☐	☐	
16-083	R614636	249.64	252.07	0.02	1150	☐	☐	☐	☐	
16-083	R614637	252.07	253.75	0.05	1940	☐	☐	☐	☐	
16-083	R614638	253.75	255.42	0.04	1390	☐	☐	☐	☐	
16-083	R614640	255.42	256.56	0.06	510	☐	☐	☐	☐	
16-083	R614641	256.56	258.17	0.06	560	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######			☐	☐	☐	☐	
16-083	R614642	263.08	263.87	0.04	700	☐	☐	☐	☐	
16-083	R614643	263.87	265.16	0.14	1540	☐	☐	☐	☐	
16-083	R614644	265.16	266.12	0.11	910	☐	☐	☐	☐	
16-083	R614646	266.12	268.02	0.05	1070	☐	☐	☐	☐	
16-083	R614647	268.02	269.68	0.06	1890	☐	☐	☐	☐	
16-083	R614648	269.68	271.61	0.02	1440	☐	☐	☐	☐	
16-083	R614649	271.61	273.10	0.02	2800	☐	☐	☐	☐	
16-083	R614650	273.10	274.60	0.07	1380	☐	☐	☐	☐	
16-083	R614651	274.60	275.26	0.90	360	☐	☐	☐	☐	
16-083	R614653	275.26	277.62	0.07	740	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-083	R614654	283.60	285.60	0.41	770	☐	☐	☐	☐	
16-084	R614655	285.60	286.87	0.12	300	☐	☐	☐	☐	
16-084	R614656	286.87	289.74	0.07	730	☐	☐	☐	☐	
16-084	R614658	289.74	291.63	0.05	700	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-084	R614659	291.63	293.10	0.03	950	☐	☐	☐	☐	
16-084	R614660	293.10	294.22	0.09	640	☐	☐	☐	☐	
16-084	R614661	294.22	295.48	0.06	1260	☐	☐	☐	☐	
16-084	R614662	294.22	295.48	0.06	1270	☐	☑	☐	☐	
		######	######			☐	☐	☐	☐	
16-084	R614663	304.24	306.23	0.30	1110	☐	☐	☐	☐	
16-084	R614664	306.23	307.82	0.08	1260	☐	☐	☐	☐	
16-084	R614665	307.82	309.98	0.04	1070	☐	☐	☐	☐	
16-084	R614666	309.98	311.44	0.03	1030	☐	☐	☐	☐	
16-084	R614667	311.44	313.03	0.03	1260	☐	☐	☐	☐	
16-084	R614668	311.44	313.03	0.02	1180	☑	☐	☐	☐	
16-084	R614669	313.03	314.83	0.02	2540	☐	☐	☐	☐	
16-084	R614670	314.83	316.46	0.02	1250	☐	☐	☐	☐	
16-084	R614672	316.46	318.04	0.08	2040	☐	☐	☐	☐	
16-084	R614673	318.04	319.30	0.09	740	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-084	R614674	319.30	319.82	0.17	690	☐	☐	☐	☐	
16-084	R614675	319.82	320.90	0.06	1940	☐	☐	☐	☐	
16-084	R614676	320.90	323.20	0.04	1480	☐	☐	☐	☐	
16-084	R614677	323.20	324.58	0.04	2290	☐	☐	☐	☐	
16-084	R614678	324.58	326.76	0.07	2340	☐	☐	☐	☐	
16-084	R614679	326.76	328.49	0.09	430	☐	☐	☐	☐	
16-084	R614681	328.49	329.61	0.13	500	☐	☐	☐	☐	
16-084	R614682	329.61	329.92	0.87	440	☐	☐	☐	☐	
16-084	R614684	329.92	330.61	0.12	910	☐	☐	☐	☐	
16-084	R614685	330.61	331.63	0.09	1440	☐	☐	☐	☐	
16-084	R614686	331.63	334.30	0.05	1550	☐	☐	☐	☐	
16-084	R614687	334.30	335.82	0.07	600	☐	☐	☐	☐	
16-084	R614688	335.82	337.41	0.06	1260	☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
12.75	12.89	GO	34	-	NUL	1	Light orange-yellow gouge seam in volcanics.			
13.22	13.27	GO	34	-	NUL	1	Light orange-yellow gouge seam in mineralized volcanics.			
13.90	13.96	VN	37	70	NUL	3	Three quartz-calcite veinlets with goethite development and obvious calcite/sulphide pitting.			
								Go	5	BL
14.47	14.48	VN	37	60	NUL	1	White massive quartz-calcite vein with fine disseminated pyrite.			
								Py	2	DI
16.59	16.60	VT	37	35	NUL	1	Quartz-calcite veinlet with calcite removal and blebby pyrite.			
								Py	5	BL
17.63	19.92	VT	37	45	NUL	17	Quartz veinlets hosting disseminated-blebby pyrite. Variably oxidized, but fresh veinlets are grey with phyllic halos.			
								Py	2	BL
21.82	21.83	VN	37	40	NUL	1	Massive white quartz vein hosting blebby galena.			
								Gn	15	BL
21.88	21.99	VN	37	30	NUL	2	Massive quartz veins hosting blebby and disseminated pyrite.			
								Py	1	DI
								Py	5	BL
23.90	24.08	VT	37	75	NUL	4	White quartz-ankerite veinlets hosting blebby pyrite.			
								Py	5	BL
								Ak	15	MA
24.85	24.86	VN	37	40	NUL	1	Quartz vein hosting partially oxidized blebby galena, with some removal of galena by weathering.			
								Gn	25	BL
25.37	25.38	VT	37	60	NUL	2	Pair of thin quartz veinlets hosting disseminated pyrite.			
								Py	10	DI
26.22	26.23	VN	37	50	NUL	1	Banded white quartz-ankerite vein hosting disseminated pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Ak	50	BN
								Py	1	DI
27.16	27.50	VN	37	60	NUL	3	Massive white quartz veins hosting blebby-disseminated pyrite.			
								Py	5	DI
								Py	5	BL
29.47	29.49	VN	37	70	NUL	1	Weathered quartz vein with disseminated pyrite and some material removal.			
								Py	2	DI
31.22	31.56	VT	37	35	NUL	4	Quartz veinlets hosting disseminated pyrite.			
								Py	5	DI
32.01	32.57	VT	37	60	NUL	7	White quartz veinlets hosting blebby pyrite along their centrelines.			
								Py	2	BL
33.27	33.28	VT	37	30	NUL	1	White massive quartz veinlet hosting blebby pyrite.			
								Py	2	BL
35.17	35.25	VN	37	70	NUL	1	White-grey quartz-tan ankerite vein hosting blebby galena and pyrite. Oxidization has tarnished and softened the galena and some hosting tan ankerite. Some scorodite on surfaces.			
								So	1	IN
								Gn	10	BL
								Py	4	BL
35.27	35.36	VT	37	50	NUL	3	White-grey quartz veinlets hosting blebby pyrite and galena.			
								Py	8	BL
								Gn	10	BL
36.49	36.50	VN	37	20	NUL	1	Low angle quartz vein hosting blebby pyrite and magnetite. Fracture face has dendritic copper that stems outward from the vein selvedges.			
								Mg	1	BL
								Cu	1	DN
								Py	1	BL
36.66	37.81	VN	37	60	NUL	7	Quartz-carbonate veining with blebby pyrite, magnetite, and galena. Some vein material has been removed by oxidation. Trace scorodite in clay-rich vein selvedges.			
								Py	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								So	0.5	MA
								Gn	2	BL
								Mg	1	BL
37.84	38.04	GO	34	70	NUL	1	Oxide-stained gouge seam.			
38.96	40.97	VN	37	75	NUL	3	Three wide (greater than 10 cm) massive quartz veins with short gouge seams separating them. Massive quartz veins host blebby-disseminated pyrite and disseminated galena. Gouge seams have oxide staining.			
								Py	1	DI
								Gn	0.5	DI
40.97	45.70	VT	37	80	NUL	40	Quartz-carbonate veinlets hosting blebby-disseminated pyrite with thin phyllic halos.			
								Py	1	DI
48.20	48.71	VN	37	80	NUL	1	Massive quartz vein hosting massive-blebby pyrite.			
								Py	50	MA
51.30	52.42	VN	37	-	NUL	1	Somewhat crumbled, gouged/clay-altered quartz and massive pyrite vein zone. Pyrite has some limited intergrown chalcopyrite.			
								Cp	1	IN
								Py	25	MA
53.32	53.62	GO	34	-	NUL	1	Weakly gouged mineralized section of granodiorite with pervasive pyrite.			
								Py	5	BL
57.25	62.10	VT	37	60	NUL	7	White quartz veinlets hosting blebby-disseminated pyrite at a frequency of approximately 1/m.			
								Py	0.5	BL
62.64	62.65	VN	37	55	NUL	1	Quartz vein hosting blebby pyrite.			
								Py	10	BL
64.93	64.96	VN	37	60	NUL	1	Irregularly banded smoky quartz-carbonate vein hosting blebby pyrite.			
								Py	10	BL
66.14	84.42	VN	37	55	NUL	90	White quartz veinlets hosting blebby-disseminated pyrite at a frequency of approximately 5/m.			
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
84.42	85.55	VN	37	-	NUL	4	White massive quartz veins that tend to bleed into the host rock and result in silicification. Hosts large blebs of pyrite.			
								Py	10	BL
87.07	87.42	VN	37	35	NUL	7	Closely spaced white massive quartz veins hosting blebby pyrite.			
								Py	2	BL
87.47	91.86	VT	37	60	NUL	40	White quartz veinlets hosting blebby pyrite with phyllic envelopes, spaced at 8 veinlets per metre.			
								Py	0.1	BL
95.53	95.57	VN	37	20	NUL	1	White massive calcite vein hostine fine disseminated pyrite along its selvedges.			
								Py	0.5	DI
99.64	99.68	VN	37	45	NUL	1	White massive calcite-quartz vein with blebby pyrite.			
								Py	0.5	BL
101.66	101.83	BX	34	60	NUL	1	Grey quartz brecciating previous veins tan ankerite-smoky quartz-blebby pyrite and trace intergrown arsenopyrite.			
								As	0.1	BL
								Py	1	BL
115.27	116.00	VT	37	50	NUL	12	White quartz veinlets hosting blebby pyrite.			
								Py	0.5	BL
116.00	116.45	BX	34	65	NUL	1	Smoky quartz breccia with a band of blebby intergrown pyrite and arsenopyrite.			
								As	0.1	IN
								Py	1	BL
118.39	118.66	VN	37	40	NUL	3	Three poorly banded quartz-ankerite-rhodochrosite veins hosting blebby pyrite, honey brown sphalerite, and galena.			
								Py	1	BL
								Gn	0.5	BL
								Sp	0.5	BL
123.62	123.65	VN	37	45	NUL	1	Weakly banded quartz-carbonate vein hosting blebby pyrite.			
								Py	8	BL
126.14	126.44	BX	34	60	NUL	1	Smoky quartz breccia that grades into a carbonate breccia, hosting blebby pyrite.			
								Py	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
130.69	130.71	VN	37	50	NUL	1	Grey quartz and blebby pyrite vein.			
								Py	5	BL
132.56	132.84	FT	42	-	NUL	1	Weakly gouged section with suggestion of faulting.			
135.25	135.29	VN	37	75	NUL	1	Weakly banded quartz-rhodochrosite-ankerite vein hosting fine disseminated pyrite.			
								Py	1	DI
139.15	139.21	VN	37	60	NUL	1	Quartz vein hosting pyrite and magnetite, with darker alteration halo.			
								Mg	1	DI
								Py	1	DI
143.71	144.19	VT	37	70	NUL	8	Thin white quartz veinlets hosting blebby pyrite.			
								Py	1	BL
148.17	148.29	VT	37	60	NUL	4	Thin white quartz veinlets hosting blebby-massive pyrite.			
								Py	2	BL
170.00	170.63	VT	37	30	NUL	3	White quartz-pyrite veinlets.			
								Py	10	BL
174.00	174.22	VN	37	50	NUL	3	Three pyrite-quartz veins.			
								Py	60	MA
175.77	175.84	VN	37	40	NUL	1	Massive white quartz-carbonate vein hosting blebby pyrite.			
								Py	5	BL
176.98	177.01	VN	37	60	NUL	1	grey quartz vein hosting blebby pyrite and containing fragments of white carbonate vein.			
								Py	2	BL
180.04	180.10	VN	37	80	NUL	1	Clay altered smoky quartz vein hosting fine disseminated pyrite.			
								Py	2	DI
180.76	180.85	GO	34	30	NUL	1	Narrow gouge seam.			
184.66	184.68	VT	37	30	NUL	2	Narrow quartz pyrite veinlets.			
								Py	50	BL
195.27	195.30	DY	37	-	NUL	1	Pink aplite dykelet			
201.95	202.26	FT	42	55	NUL	1	Partially healed fault with carbonate infill.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
206.75	206.76	VN	37	55	NUL	1	Pyrite-white quartz-calcite vein containing fragments of smoky quartz.			
								Py	25	BL
207.88	208.21	FT	42	15	NUL	1	Partially healed fault with clay-carbonate infill and fine disseminated pyrite.			
								Py	1	DI
208.63	209.11	BX	34	-	NUL	1	Netted breccia where smoky quartz-carbonate-ankerite veins produce a lattice. Veinlets host blebbypyrite. Some carbonate is crustiform.			
								Py	2	BL
209.40	209.50	GO	34	-	NUL	1	Section of partial gouge.			
								Py	1	DI
209.99	210.00	VN	37	75	NUL	1	White massive quartz vein with blebby pyrite.			
								Py	5	BL
210.30	210.63	VN	37	50	NUL	1	Wide vein of massive white quartz hosting massive pyrite.			
210.73	211.34	VT	37	55	NUL	10	Thin white quartz-pyrite veinlets.			
								Py	1	BL
211.34	212.14	BX	34	50	NUL	1	Massive smokey quartz vein brecca hosting blebby-massive pyrite. Also contains fragments of quartz-carbonate veins.			
								Py	50	BL
214.01	214.03	VN	37	60	NUL	1	White quartz-carbonate vein hosting blebby pyrite.			
								Py	25	BL
217.02	217.37	VT	37	70	NUL	5	Pyrite veinlets.			
								Py	100	MA
218.21	218.29	VN	37	70	NUL	2	White carbonate and smoky quartz veins hosting blebby pyrite.			
								Py	2	BL
220.30	220.37	VN	37	80	NUL	1	Banded smoky quartz vein hosting blebby pyrite with central white carbonate infill.			
								Py	2	BL
221.00	221.02	VN	37	70	NUL	1	Banded white quartz-smokey quarta- white carbonate vein hosting disseminated pyrite.			
								Py	0.5	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
231.33	231.42	VN	37	40	NUL	1	Smoky-grey quartz vein with a band of massive pyrite and some reddish-stained sections (stained smokey quartz? Jasperoid?)			
								Py	15	MA
238.10	238.23	VT	37	90	NUL	4	Grey-white quartz-carbonate veins hosting blebby pyrite.			
								Py	2	BL
239.15	239.18	VN	37	60	NUL	1	Irregularly banded white-grey quartz-carbonate vein hosting blebby pyrite.			
								Py	15	BL
245.49	245.52	VN	37	30	NUL	1	White quartz-tan ankerite vein hosting blebby pyrite.			
								Py	2	BL
246.67	246.69	VN	37	70	NUL	1	White calcite, quartz, and tan ankerite vein hosting pyrite. Carbonates exhibit crustiform textures.			
								Py	1	DI
249.31	249.52	VN	37	60	NUL	1	White quartz vein with bands of ankerite and some vugs.			
								Py	5	BN
253.62	238.03	VT	37	60	NUL	30	Thin quartz-pyrite-ankerite veinlets with narrow green phyllic halos.			
								Py	0.5	DI
255.17	255.30	VN	37	35	NUL	1	White massive quartz vein with discontinuous bands of pyrite.			
								Py	3	BN
256.56	258.17	VN	37	70	NUL	3	White-smokey quartz-carbonate veins hosting blebby pyrite.			
								Py	2	BL
263.46	264.86	VN	37	80	NUL	3	White-tan quartz-carbonate-ankerite veins hosting blebby pyrite.			
								Py	1	BL
265.19	265.26	VN	37	70	NUL	1	White quartz-carbonate vein with blebby pyrite.			
								Py	4	BL
265.77	266.08	VN	37	50	NUL	2	White-grey quartz-carbonate veins hosting blebby pyrite.			
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
269.52	269.55	VT	37	60	NUL	2	Two irregularly banded white-grey quartz-carbonate veins hosting blebby pyrite.			
								Py	1	BL
274.60	275.03	VN	37	50	NUL	1	Wide white massive quartz phone hosting blebby-massive pyrite with finer intergrown chalcopyrite.			
								Cp	2	BL
								Py	20	MA
275.23	277.62	VN	37	60	NUL	11	White-grey irregularly banded quartz carbonate veins hosting blebby pyrite.			
								Py	1	BL
283.60	286.45	VN	37	60	NUL	23	White-grey massive quartz venis hosting blebby pyrite.			
								Py	2	BL
286.87	289.74	FT	42	35	NUL	1	Fractured, rubbly fault zone with quartz-pyrite veining. Veins are often crumbled.			
								Py	5	BL
289.90	289.93	VN	37	40	NUL	1	Irregularly badned white-grey quartz-carbonate vein hosting blebby pyrite.			
								Py	5	BL
293.32	295.48	FT	42	20	NUL	1	Fractured, rubbly fault zone cut by broken quartz-carbonate pyrite veining.			
								Py	1	BL
304.25	306.21	DY	37	-	NUL	2	Light green quartz feldspar porphyry dykes with many original phenocrysts remaining visible, not obliterated by hydrothermal alteration.			
306.20	307.83	VT	37	85	NUL	9	Hairline quartz-pyrite veinlets with narrow silicified envelopes.			
								Py	50	BL
307.83	308.08	FT	42	60	NUL	1	Partially healed fault with quartz-carbonate-pyrite veinlets.			
								Py	1	DI
310.90	311.39	VN	37	40	NUL	3	Banded white quartz, smoky quartz, and blebby pyrite veins.			
								Py	3	BL
318.29	318.32	VN	37	50	NUL	1	Thinly banded smoky quartz vein with thin stringers of pyrite.			
								Py	1	BN

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
319.58	319.81	VN	37	50	NUL	1	White-grey-smoky irregularly banded quartz and blebby pyrite vein with a pervasively clay altered envelope.			
								Py	5	BL
323.30	323.41	BX	34	70	NUL	1	White-smoky quartz-carbonate vein breccia hosting disseminated pyrite.			
								Py	1	DI
329.61	329.80	VN	37	65	NUL	1	Grey-white massive quartz vein hosting blebby-massive pyrite, with a 1cm band of pyritic smoky quartz along its lower selvedge.			
								Py	25	BL
329.80	330.14	FT	42	-	NUL	1	Mostly healed clay-altered faulted granodiorite hosting fine disseminated pyrite and cut by quartz-pyrite veins.			
								Py	1	DI
								Py	1	BL
330.94	334.37	VT	37	50	NUL	6	Irregularly banded white-smoky quartz veinlets hosting blebby-disseminated pyrite.			
								Py	0.5	BL
334.88	334.95	GO	34	45	NUL	1	Mostly coherent fault gouge rich in blebby-disseminated pyrite.			
								Py	5	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383119	6889826	1384.09	146

ZONE: Eastern Klaza

SECTION:

HOLE: KL-16-327

CLAIM: Klaza 20

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 27 - Jul 28, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
11	34.9	-48.8	Reflex
146	38.3	-49.8	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.83	1.83	CAS
1.83	3.13	1.3	OVB
3.13	7.64	4.51	GRD
7.64	20.56	12.92	GRD
20.56	38.57	18.01	GRD
38.57	44.19	5.62	GRD
44.19	45.15	0.96	QFP
45.15	50.66	5.51	GRD
50.66	67.19	16.53	GRD
67.19	84.4	17.21	GRD
84.4	89.64	5.24	VEN
89.64	114.94	25.3	GRD
114.94	146	31.06	GRD

SAMPLES	
Numbers:	K292797, R614778 to R614800, R615801 to R615846
Total:	70
Batch:	060, 087, 089, 090
Certificates:	VA16126470, VA16127969, VA16127978, VA16127981

COMMENTS

Box Log

KL-16-327

Klaza

stern Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.83	4.85
2	4.85	7.57
3	7.57	10.25
4	10.25	13.11
5	13.11	16.07
6	16.07	19.18
7	19.18	22.31
8	22.31	25.11
9	25.11	28.17
10	28.17	31.14
11	31.14	34.08
12	34.08	37
13	37	40.03
14	40.03	43.16
15	43.16	46.31
16	46.31	49.25
17	49.25	52.04
18	52.04	55.09
19	55.09	58.09
20	58.09	61.24
21	61.24	64.12
22	64.12	67
23	67	69.99
24	69.99	72.98
25	72.98	76.26
26	76.26	79.12
27	79.12	82.36
28	82.36	85.41
29	85.41	88
30	88	91.09
31	91.09	93.95
32	93.95	97.88
33	97.88	99.76
34	99.76	102.65
35	102.65	105.55
36	105.55	108.36
37	108.36	111.18
38	111.18	113.68
39	113.68	116.16
40	116.16	118.96
41	118.96	121.28
42	121.28	124.05
43	124.05	126.96
44	126.96	129.75
45	129.75	132.32
46	132.32	134.6
47	134.6	137.64
48	137.64	140.42
49	140.42	143.36
50	143.36	146

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-327									
	24.52	21	HQ	GRD	1737.2	1089.3	2.65	2.7	unaltered granodiorite
	44	19	HQ	GRD	1654.5	1073.2	2.79	2.9	Weakly argillic granodiorite with weak phyllic overprinting carrying two quartz carbonate veins. First vein is a 6cm quartz carbonate vein hosting dissemianted to blebby pyrite, and blebby sphalerite. The second vein is a 3cm quartz carbonate vein hosting blebby pyrite and sphalerite with carbonate brecciating quartz vein and sulfides. Second vein is found along the contact of light brown quartz feldspar porphyry dyke.
	49.25	10	HQ	GRD	1071.9	716.6	3.44	3.0	6cm quartz vein hosting blebby to disseminated pyrite.
	72.15	20	HQ	GRD	1874	1217.8	3.01	2.9	lightly phyllic altered granodiorithosting disseminated pyrite and pyrite stringers within quartz carbonte veinlets.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.13	7.64	4.51	GRD	MG	Unaltered granodiorite displaying weak to moderate oxidation. Small quartz veinlets are present.							
						LT	OR	FR	OXI	2I		
									OXI	3I		
7.64	20.56	12.92	GRD	MG	Weak to moderate phyllic to argillic/phyllic altered granodiorite. Pervasive oxidation is present throughout, becoming weaker with depth until only present in fractures at ~18.6m. Mineralized quartz veins present.							
								RB				
								PA				
								FR				
20.56	38.57	18.01	GRD	MG	Unaltered granodiorite with oxidation found along fractured and joint planes. Small sporadic halos of phyllic alteration found within hosting sulfide mineralized quartz carbonate veins.							
						LT	GN	PA	PHC	2I	Py	1
								FR			Py	1
											Gn	1
38.57	44.19	5.62	GRD	MG	Weak to moderate phyllic to weak propylitic altered granodiorite. Interval contais patches of unaltered and moderately argillic altered patches throughout. Zone ends along a red quartz feldspar porphyry dyke contact, with two quartz/carbonate veins present in close proximity to contact.							
						MD	GN	FR	PHC	3I	Sp	1
						MD	WH		PRO	2I	Gn	0.5
						LT	GN	PA	PHC	2I	Py	1
									ARG	2I		
									ARG	3I		
44.19	45.15	0.96	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning into a medium red dyke in the center (halo like)							
						MD	RD					
						LT	BR	PO				
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
45.15	50.66	5.51	GRD	MG	Moderate to strongly phyllic altgered granodiorite carrying smokey quartz/carbonate veins transitioning into a small zone of argillic/potassic altered granodiorite. Oxidation present along fracture and joint planes.							
						MD	WH	FR	PHC	4I		
						LT	WH	PA	PHC	3I		
						LT	GN		ARG	2I		
						LT	PK		POT	2I		
									OXI	2I		
									OXI	3I		
50.66	67.19	16.53	GRD	MG	Unaltered granodiorite alternating with zones of argillic/phyllic to phyllic altered halos surrounding non mineralized (sulfide) quartz carbonate veins and small patches of weakly propylitic altered granodiorite. Weak oxidation present found along planes and fractures.							
						MD	WH	FR	PHC	3I		
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	2I		
									PRO	1I		
67.19	84.40	17.21	GRD	MG	Weakly argillic/phyllic altered granodiorite with patchy phyllic to propylitic alteration and weak pervasive patches of oxidation. Weak potassic overprinting is present sporadically throughout. Interval hosts multiple quartz/carbonate veins of significance.							
						MD	WH	FR	PHC	3I	Py	1
						MD	GN		PHC	4I		
						LT	PK	PA	PHC	2I	Py	1
						LT	WH		PRO	2I	Gn	1
						LT	GN		ARG	2I	Sp	1
									ARG	3I		
									POT	2I		
									OXI	2I		
84.40	89.64	5.24	GRD	MG	Quartz flooded zone of propylitic altered granodiorite with moderate to strong patchy oxidation and gouge alteration. Interval displays numerous veins and patches of sulfide mineralization throughout. Interval is highly fractured.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	FR	OXI	4I	Py	2
						MD	GN		SIL	3I		
						MD	WH		PHC	2I		
						LT	OR	PA	OXI	3I	Py	10
						LT	GN		PRO	3I		
						LT	WH		PRO	2I		
89.64	114.94	25.30	GRD	MG	Unaltered granodiorite with small highly fractured and rubbly sections. Unaltered granodiorite contains patches of moderate to strongly altered phyllic halos with weak argillic/phyllic alteration also present. Halos host sporadic sulfide mineralization.							
						MD	WH	FR	PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1
								RB	PHC	4I	Cp	1
									ARG	2I	Sp	1
114.94	146.00	31.06	GRD	MG	Unaltered granodiorite with patches of argillic to phyllic granodiorite, along with sporadic patchy argillic/phyllic alteration. Zone ends in argillic/potassic altered granodiorite. Patches of high fractures throughout.							
						MD	GN	FR	ARG	2I		
						MD	WH		ARG	3I		
						LT	GN	PA	PHC	2I		
						LT	PK					
						LT	WH		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.83	3.13	1.30	OVB	MG	Overburden and organics							
						MD	BR					
3.13	7.64	4.51	GRD	MG	Unaltered granodiorite displaying weak to moderate oxidation. Small quartz veinlets are present.							
						LT	OR	FR	OXI	2I		
									OXI	3I		
7.64	20.56	12.92	GRD	MG	Weak to moderate phyllic to argillic/phyllic altered granodiorite. Pervasive oxidation is present throughout, becoming weaker with depth until only present in fractures at ~18.6m. Mineralized quartz veins present.							
								PA				
								FR				
								RB				
20.56	38.57	18.01	GRD	MG	Unaltered granodiorite with oxidation found along fractured and joint planes. Small sporadic halos of phyllic alteration found within hosting sulfide mineralized quartz carbonate veins.							
								FR			Py	1
											Gn	1
						LT	GN	PA	PHC	2I	Py	1
38.57	44.19	5.62	GRD	MG	Weak to moderate phyllic to weak propylitic altered granodiorite. Interval contais patches of unaltered and moderately argillic altered patches throughout. Zone ends along a red quartz feldspar porphyry dyke contact, with two quartz/carbonate veins present in close proximity to contact.							
						MD	WH		PRO	2I	Gn	0.5
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Sp	1
									ARG	3I		
									ARG	2I		
44.19	45.15	0.96	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning into a medium red dyke in the center (halo like)							
						MD	RD					
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BR	PO				
45.15	50.66	5.51	GRD	MG	Moderate to strongly phyllic altgered granodiorite carrying smokey quartz/carbonate veins transitioning into a small zone of argillic/potassic altered granodiorite. Oxidation present along fracture and joint planes.							
						LT	PK		POT	2I	Sp	1
									OXI	3I		
						LT	WH	PA	PHC	3I	Py	1
									OXI	2I		
						MD	WH	FR	PHC	4I	Py	1
						LT	GN		ARG	2I	Gn	1
50.66	67.19	16.53	GRD	MG	Unaltered granodiorite alternating with zones of argillic/phyllic to phyllic altered halos surrounding non mineralized (sulfide) quartz carbonate veins and small patches of weakly propylitic altered granodiorite. Weak oxidation present found along planes and fractures.							
						LT	GN	PA	PHC	2I		
						MD	WH	FR	PHC	3I		
						MD	GN		ARG	2I		
									PRO	1I		
67.19	84.40	17.21	GRD	MG	Weakly argillic/phyllic altered granodiorite with patchy phyllic to propylitic alteration and weak pervasive patches of oxidation. Weak potassic overprinting is present sporadically throughout. Interval hosts multiple quartz/carbonate veins of significance.							
									OXI	2I		
									POT	2I		
									ARG	3I		
						MD	GN		PHC	4I		
						LT	GN		ARG	2I	Sp	1
						LT	PK	PA	PHC	2I	Py	1
						MD	WH	FR	PHC	3I	Py	1
						LT	WH		PRO	2I	Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
84.40	89.64	5.24	VEN	MG	Quartz flooded zone of propylitic altered granodiorite with moderate to strong patchy oxidation and gouge alteration. Interval displays numerous veins and patches of sulfide mineralization throughout. Interval is highly fractured.							
						MD	WH		PHC	2I	Gn	1
						MD	OR	FR	OXI	4I	Py	2
						LT	WH		PRO	2I	Sp	1
						LT	GN		PRO	3I		
						MD	GN		SIL	3I		
						LT	OR	PA	OXI	3I	Py	6
89.64	114.94	25.30	GRD	MG	Unaltered granodiorite with small highly fractured and rubbly sections. Unaltered granodiorite contains patches of moderate to strongly altered phyllic halos with weak argillic/phyllic alteration also present. Halos host sporadic sulfide mineralization.							
								RB	PHC	4I	Cp	1
						MD	WH	FR	PHC	3I	Py	1
									ARG	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
114.94	146.00	31.06	GRD	MG	Unaltered granodiorite with patches of argillic to phyllic granodiorite, along with sporadic patchy argillic/phyllic alteration. Zone ends in argillic/potassic altered granodiorite. Patches of high fractures throughout.							
						LT	GN	PA	PHC	2I		
						MD	GN	FR	ARG	2I		
						MD	WH		ARG	3I		
						LT	WH		POT	2I		
						LT	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.83	1.83	0	0	0.00	0	--	--	--	CASING
1.83	5.00	3.17	2.93	92	0.44	14	--	1H	3W	
5.00	8.00	3.00	2.78	93	0.44	15	--	2H	3W	
8.00	11.00	3.00	2.83	94	0.75	25	--	3H	3W	
11.00	14.00	3.00	2.81	94	0.42	14	--	3H	3W	
14.00	17.00	3.00	2.78	93	1.31	44	--	3H	4W	
17.00	20.00	3.00	2.97	99	1.58	53	--	3H	3W	
20.00	23.00	3.00	2.86	95	1.23	41	--	4H	2W	
23.00	26.00	3.00	2.71	90	1.15	38	--	4H	2W	
26.00	29.00	3.00	2.75	92	1.38	46	--	4H	2W	
29.00	32.00	3.00	2.73	91	1.43	48	--	4H	2W	
32.00	35.00	3.00	2.98	99	1.07	36	--	4H	2W	
35.00	38.00	3.00	2.85	95	1.15	38	--	4H	2W	
38.00	41.00	3.00	2.9	97	0.98	33	--	3H	2W	
41.00	44.00	3.00	2.82	94	1.42	47	--	4H	2W	
44.00	47.00	3.00	2.81	94	1.83	61	--	4H	3W	
47.00	50.00	3.00	2.94	98	1.27	42	--	4H	2W	
50.00	53.00	3.00	3	100	1.67	56	--	5H	2W	
53.00	56.00	3.00	3	100	1.49	50	--	4H	2W	
56.00	59.00	3.00	3	100	2.22	74	--	5H	1W	
59.00	62.00	3.00	3	100	2.05	68	--	4H	1W	
62.00	65.00	3.00	2.99	100	1.10	37	--	4H	1W	
65.00	68.00	3.00	2.98	99	1.31	44	--	4H	1W	
68.00	71.00	3.00	3	100	1.85	62	--	3H	1W	
71.00	74.00	3.00	2.99	100	1.40	47	--	3H	1W	
74.00	77.00	3.00	3	100	2.76	92	--	4H	1W	
77.00	80.00	3.00	3	100	2.06	69	--	3H	2W	
80.00	83.00	3.00	3	100	2.71	90	--	4H	1W	
83.00	86.00	3.00	2.89	96	1.67	56	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.95	98	1.19	40	--	3H	2W	
89.00	92.00	3.00	2.96	99	1.35	45	--	4H	2W	
92.00	95.00	3.00	2.92	97	1.96	65	--	4H	1W	
95.00	98.00	3.00	2.97	99	1.21	40	--	4H	1W	
98.00	101.00	3.00	2.9	97	1.52	51	--	4H	1W	
101.00	104.00	3.00	2.96	99	1.65	55	--	3H	1W	
104.00	107.00	3.00	2.94	98	1.50	50	--	3H	1W	
107.00	110.00	3.00	2.98	99	1.63	54	--	4H	1W	
110.00	113.00	3.00	2.95	98	1.20	40	--	4H	1W	
113.00	116.00	3.00	2.92	97	0.62	21	--	2H	1W	
116.00	119.00	3.00	2.71	90	0.37	12	--	2H	1W	
119.00	122.00	3.00	2.87	96	0.95	32	--	3H	1W	
122.00	125.00	3.00	2.8	93	0.63	21	--	3H	1W	
125.00	128.00	3.00	2.93	98	1.27	42	--	4H	1W	
128.00	131.00	3.00	2.93	98	1.45	48	--	4H	1W	
131.00	134.00	3.00	2.86	95	0.48	16	--	3H	1W	
134.00	137.00	3.00	2.79	93	1.27	42	--	4H	1W	
137.00	140.00	3.00	2.92	97	1.35	45	--	3H	1W	
140.00	143.00	3.00	2.82	94	1.51	50	--	3H	1W	
143.00	146.00	3.00	2.96	99	1.55	52	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	4.309	OVB	Soil
3	15.81	OVB	Rubble
4	0.404	GRD	Rubble
5	0.181	GRD	Rubble
6	0.992	GRD	
7	0.754	GRD	Rubble
8	0.205	GRD	
9	0.296	GRD	
10	0.249	GRD	
11	0.159	GRD	
12	0.227	GRD	
13	0.453	GRD	
14	0.181	GRD	
15	0.386	GRD	
16	0.436	GRD	
17	0.326	GRD	
18	0.254	GRD	
19	0.811	GRD	
20	1.064	GRD	
21	32.42	GRD	
22	45.95	GRD	
23	37.11	GRD	
24	22.56	GRD	
25	26.5	GRD	
26	14.67	GRD	
27	0.261	GRD	
28	16.88	GRD	
29	13.5	GRD	
30	37.77	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	47.06	GRD	
32	30.91	GRD	
33	39.25	GRD	
34	39.95	GRD	
35	34.11	GRD	
36	31.16	GRD	
37	15.31	GRD	
38	17.17	GRD	
39	0.217	GRD	
40	0.258	GRD	
41	0.913	GRD	
42	0.712	GRD	
43	0.478	GRD	
44	0.249	GRD	
45	0.302	QFP	
46	0.556	GRD	
47	0.816	GRD	
48	0.521	GRD	
49	0.457	GRD	
50	0.776	GRD	
51	34.22	GRD	
52	22.12	GRD	
53	11.35	GRD	
54	21.99	GRD	
55	0.491	GRD	
56	1.027	GRD	
57	56.71	GRD	
58	29.35	GRD	
59	0.293	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
60	23.62	GRD	
61	35.8	GRD	
62	1.892	GRD	
63	13.06	GRD	
64	0.488	GRD	
65	10.71	GRD	
66	23.49	GRD	
67	0.988	GRD	
68	0.538	GRD	
69	0.649	GRD	
70	1.099	GRD	
71	0.304	GRD	
72	0.7	GRD	
73	0.795	GRD	
74	2.488	GRD	
75	1.094	GRD	
76	18.62	GRD	
77	0.567	GRD	
78	0.328	GRD	
79	0.628	GRD	
80	0.522	GRD	
81	0.487	GRD	
82	0.48	GRD	
83	0.362	GRD	
84	0.306	GRD	
85	0.461	VEN	
86	0.349	VEN	
87	0.171	VEN	
88	0.32	VEN	
89	0.323	VEN	
90	0.533	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
91	1.147	GRD	
92	0.951	GRD	
93	21.2	GRD	
94	10.61	GRD	
95	0.981	GRD	
96	1.029	GRD	
97	0.743	GRD	
98	27.11	GRD	
99	31.65	GRD	
100	26.49	GRD	
101	2.654	GRD	
102	26.59	GRD	
103	16.02	GRD	
104	33.12	GRD	
105	28.49	GRD	
106	0.306	GRD	
107	14.77	GRD	
108	0.44	GRD	
109	32.77	GRD	
110	25.08	GRD	
111	32.65	GRD	
112	29.02	GRD	
113	24.32	GRD	
114	7.916	GRD	
115	1.832	GRD	
116	1.067	GRD	
117	1.038	GRD	
118	0.556	GRD	
119	0.404	GRD	
120	0.62	GRD	
121	3.878	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	5.117	GRD	
123	12.87	GRD	
124	13.88	GRD	
125	31.03	GRD	
126	30.73	GRD	
127	9.542	GRD	
128	15.29	GRD	
129	39.72	GRD	
130	37.51	GRD	
131	3.781	GRD	
132	14.83	GRD	rubble
133	0.493	GRD	rubble
134	2.816	GRD	
135	34.95	GRD	
136	40.21	GRD	
137	7.745	GRD	
138	31.71	GRD	
139	33.96	GRD	
140	23.19	GRD	
141	32.99	GRD	
142	29.92	GRD	
143	33	GRD	
144	31.05	GRD	
145	1.155	GRD	
146	0.45	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615838	☐	16-090			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614780	☐	16-087		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615842	☐	16-090		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615829	☐	16-089			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615819	☐	16-089			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615815	☐	16-089		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615801	☐	16-089		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614790	☐	16-087			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614786	☐	16-087			☑	☐	☐
8.00	8.77	0.77	GRD	0.77	100	R614778	☐	16-087			☐	☐	☐
8.77	9.31	0.54	GRD	0.54	100	R614779	☐	16-087			☐	☐	☐
9.31	10.50	1.19	GRD	0.94	79	R614781	☐	16-087			☐	☐	☐
10.50	11.00	0.50	GRD	0.50	100	R614782	☐	16-087			☐	☐	☐
11.00	11.54	0.54	GRD	0.54	100	R614783	☐	16-087			☐	☐	☐
11.54	12.41	0.87	GRD	0.61	70	R614784	☐	16-087			☐	☐	☐
12.41	12.95	0.54	GRD	0.54	100	R614785	☐	16-087			☐	☐	☐
12.95	13.48	0.53	GRD	0.53	100	R614787	☐	16-087			☐	☐	☐
13.48	14.37	0.89	GRD	0.89	100	R614788	☐	16-087			☐	☐	☐
14.37	16.54	2.17	GRD	2.10	97	R614789	☐	16-087			☐	☐	☐
16.54	17.57	1.03	GRD	1.03	100	R614791	☐	16-087			☐	☐	☐
17.57	18.51	0.94	GRD	0.94	100	R614792	☐	16-087			☐	☐	☐
17.57	18.51	0.94	GRD	0.94	100	R614793	☐	16-087			☐	☐	☑
18.51	19.14	0.63	GRD	0.63	100	R614794	☐	16-087			☐	☐	☐
26.00	26.81	0.81	GRD	0.81	100	R614795	☐	16-087			☐	☐	☐
26.81	27.32	0.51	GRD	0.51	100	R614796	☐	16-087			☐	☐	☐
27.32	28.00	0.68	GRD	0.68	100	R614797	☐	16-087			☐	☐	☐
28.00	28.50	0.50	GRD	0.50	100	R614798	☐	16-089			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
28.50	29.54	1.04	GRD	1.04	100	R614799	☐	16-089			☐	☐	☐
42.76	43.69	0.93	GRD	0.93	100	R614800	☐	16-089			☐	☐	☐
43.69	44.19	0.50	GRD	0.50	100	R615802	☐	16-089			☐	☐	☐
44.19	45.10	0.91	QFP, GRD	0.91	100	R615803	☐	16-089			☐	☐	☐
45.10	45.68	0.58	QFP	0.55	95	R615804	☐	16-089			☐	☐	☐
45.68	46.52	0.84	GRD	0.84	100	R615805	☐	16-089			☐	☐	☐
46.52	48.34	1.82	GRD	1.82	100	R615806	☐	16-089			☐	☐	☐
46.52	48.34	1.82	GRD	1.82	100	R615807	☐	16-089			☐	☑	☐
48.34	48.84	0.50	GRD	0.50	100	R615808	☐	16-089			☐	☐	☐
48.84	49.50	0.66	GRD	0.66	100	R615809	☐	16-089			☐	☐	☐
49.50	51.56	2.06	GRD	2.06	100	R615810	☐	16-089			☐	☐	☐
67.25	67.90	0.65	GRD	0.65	100	R615811	☐	16-089			☐	☐	☐
67.90	68.40	0.50	GRD	0.50	100	R615812	☐	16-089			☐	☐	☐
68.40	68.90	0.50	GRD	0.50	100	R615813	☐	16-089			☐	☐	☐
68.90	70.39	1.49	GRD	1.49	100	R615814	☐	16-089			☐	☐	☐
70.39	71.00	0.61	GRD	0.61	100	R615816	☐	16-089			☐	☐	☐
71.00	72.17	1.17	GRD	1.17	100	R615817	☐	16-089			☐	☐	☐
72.17	72.84	0.67	GRD	0.67	100	R615818	☐	16-089			☐	☐	☐
72.84	73.34	0.50	GRD	0.50	100	R615820	☐	16-089			☐	☐	☐
73.34	74.00	0.66	GRD	0.66	100	R615821	☐	16-089			☐	☐	☐
74.00	76.71	2.71	GRD	2.71	100	R615822	☐	16-089			☐	☐	☐
76.71	77.31	0.60	GRD	0.60	100	R615823	☐	16-089			☐	☐	☐
76.71	77.31	0.60	GRD	0.60	100	R615824	☐	16-089			☐	☐	☑
77.31	77.70	0.39	GRD	0.39	100	K292797	☐	16-060	HG		☐	☐	☐
77.70	78.36	0.66	GRD	0.66	100	R615825	☐	16-089			☐	☐	☐
78.36	79.05	0.69	GRD	0.69	100	R615826	☐	16-089			☐	☐	☐
79.05	80.72	1.67	GRD	1.67	100	R615827	☐	16-089			☐	☐	☐
80.72	81.62	0.90	GRD	0.90	100	R615828	☐	16-089			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
81.62	82.15	0.53	GRD	0.53	100	R615830	☐	16-089			☐	☐	☐
82.15	83.00	0.85	GRD	0.85	100	R615831	☐	16-089			☐	☐	☐
83.00	84.73	1.73	GRD	1.73	100	R615832	☐	16-089			☐	☐	☐
84.73	85.52	0.79	VEN	0.79	100	R615833	☐	16-090			☐	☐	☐
85.52	86.34	0.82	VEN	0.77	94	R615834	☐	16-090			☐	☐	☐
86.34	87.00	0.66	VEN	0.60	91	R615835	☐	16-090			☐	☐	☐
87.00	87.75	0.75	VEN	0.75	100	R615836	☐	16-090			☐	☐	☐
87.75	88.28	0.53	VEN	0.53	100	R615837	☐	16-090			☐	☐	☐
88.28	88.79	0.51	VEN	0.51	100	R615846	☐	16-090			☐	☐	☐
88.79	89.34	0.55	VEN	0.55	100	R615839	☐	16-090			☐	☐	☐
89.34	89.99	0.65	VEN	0.65	100	R615840	☐	16-090			☐	☐	☐
89.99	90.72	0.73	GRD	0.73	100	R615841	☐	16-090			☐	☐	☐
105.29	105.80	0.51	GRD	0.51	100	R615843	☐	16-090			☐	☐	☐
105.80	106.30	0.50	GRD	0.50	100	R615844	☐	16-090			☐	☐	☐
106.30	107.00	0.70	GRD	0.70	100	R615845	☐	16-090			☐	☐	☐

KL-16-327

Eastern Klaza

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.00			☐	☐	☐	☐	
16-087	R614780	0.00	0.00	4.43	990	☐	☐	☐	☑ KL-STD1	
16-087	R614786	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-087	R614790	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-089	R615801	0.00	0.00	0.33	630	☐	☐	☐	☑ KL-STD4	
16-089	R615815	0.00	0.00	1.75	170	☐	☐	☐	☑ KL-STD6	
16-089	R615819	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-089	R615829	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-090	R615838	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-090	R615842	0.00	0.00	0.36	420	☐	☐	☐	☑ KL-STD4	
16-087	R614778	8.00	8.77	0.00	1790	☐	☐	☐	☐	
16-087	R614779	8.77	9.31	0.01	1840	☐	☐	☐	☐	
16-087	R614781	9.31	10.50	0.07	1460	☐	☐	☐	☐	
16-087	R614782	10.50	11.00	0.07	1060	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-087	R614783	11.00	11.54	0.01	1420	☐	☐	☐	☐	
16-087	R614784	11.54	12.41	0.01	1450	☐	☐	☐	☐	
16-087	R614785	12.41	12.95	0.28	860	☐	☐	☐	☐	
16-087	R614787	12.95	13.48	0.43	770	☐	☐	☐	☐	
16-087	R614788	13.48	14.37	1.51	330	☐	☐	☐	☐	
16-087	R614789	14.37	16.54	0.01	2060	☐	☐	☐	☐	
16-087	R614791	16.54	17.57	0.01	2400	☐	☐	☐	☐	
16-087	R614792	17.57	18.51	0.01	1390	☐	☐	☐	☐	
16-087	R614793	17.57	18.51	0.01	1540	☐	☑	☐	☐	
16-087	R614794	18.51	19.14	0.03	1890	☐	☐	☐	☐	
		19.14	26.00			☐	☐	☐	☐	
16-087	R614795	26.00	26.81	0.01	1790	☐	☐	☐	☐	
16-087	R614796	26.81	27.32	0.26	440	☐	☐	☐	☐	
16-087	R614797	27.32	28.00	0.00	2170	☐	☐	☐	☐	
16-089	R614798	28.00	28.50	0.44	350	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-089	R614799	28.50	29.54	0.00	2370	☐	☐	☐	☐	
		29.54	42.76			☐	☐	☐	☐	
16-089	R614800	42.76	43.69	0.00	1760	☐	☐	☐	☐	
16-089	R615802	43.69	44.19	1.08	480	☐	☐	☐	☐	
16-089	R615803	44.19	45.10	0.00	1060	☐	☐	☐	☐	
16-089	R615804	45.10	45.68	1.43	360	☐	☐	☐	☐	
16-089	R615805	45.68	46.52	0.39	1460	☐	☐	☐	☐	
16-089	R615806	46.52	48.34	0.04	1460	☐	☐	☐	☐	
16-089	R615807	46.52	48.34	0.07	1460	☑	☐	☐	☐	
16-089	R615808	48.34	48.84	0.38	1130	☐	☐	☐	☐	
16-089	R615809	48.84	49.50	8.16	270	☐	☐	☐	☐	
16-089	R615810	49.50	51.56	0.64	2250	☐	☐	☐	☐	
		51.56	67.25			☐	☐	☐	☐	
16-089	R615811	67.25	67.90	0.00	1760	☐	☐	☐	☐	
16-089	R615812	67.90	68.40	0.00	1170	☐	☐	☐	☐	
16-089	R615813	68.40	68.90	0.03	3530	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-089	R615814	68.90	70.39	0.00	2750	☐	☐	☐	☐	
16-089	R615816	70.39	71.00	0.93	270	☐	☐	☐	☐	
16-089	R615817	71.00	72.17	0.02	1880	☐	☐	☐	☐	
16-089	R615818	72.17	72.84	1.46	760	☐	☐	☐	☐	
16-089	R615820	72.84	73.34	0.13	1310	☐	☐	☐	☐	
16-089	R615821	73.34	74.00	0.01	2490	☐	☐	☐	☐	
16-089	R615822	74.00	76.71	0.00	2220	☐	☐	☐	☐	
16-089	R615823	76.71	77.31	0.01	1140	☐	☐	☐	☐	
16-089	R615824	76.71	77.31	0.01	1120	☐	☑	☐	☐	
16-060	K292797	77.31	77.70	9.91	840	☐	☐	☐	☐	
16-089	R615825	77.70	78.36	0.07	860	☐	☐	☐	☐	
16-089	R615826	78.36	79.05	0.07	2330	☐	☐	☐	☐	
16-089	R615827	79.05	80.72	0.00	2050	☐	☐	☐	☐	
16-089	R615828	80.72	81.62	0.80	490	☐	☐	☐	☐	
16-089	R615830	81.62	82.15	0.03	2090	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-089	R615831	82.15	83.00	0.00	1350	☐	☐	☐	☐	
16-089	R615832	83.00	84.73	0.03	2050	☐	☐	☐	☐	
16-090	R615833	84.73	85.52	0.25	1300	☐	☐	☐	☐	
16-090	R615834	85.52	86.34	0.66	2710	☐	☐	☐	☐	
16-090	R615835	86.34	87.00	6.00	1010	☐	☐	☐	☐	
16-090	R615836	87.00	87.75	0.57	1000	☐	☐	☐	☐	
16-090	R615837	87.75	88.28	0.39	650	☐	☐	☐	☐	
16-090	R615846	88.28	88.79	2.74	530	☐	☐	☐	☐	
16-090	R615839	88.79	89.34	1.17	400	☐	☐	☐	☐	
16-090	R615840	89.34	89.99	0.11	1020	☐	☐	☐	☐	
16-090	R615841	89.99	90.72	0.06	1460	☐	☐	☐	☐	
		90.72	######			☐	☐	☐	☐	
16-090	R615843	105.29	105.80	0.00	1420	☐	☐	☐	☐	
16-090	R615844	105.80	106.30	1.08	620	☐	☐	☐	☐	
16-090	R615845	106.30	107.00	0.02	1850	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
10.56	10.93	VN	37	25	NUL	1	Heavily oxidized 12cm quartz vein. Vein has dark red oxidized granodiorite along its upper selvedge for 15cm. Quartz vein hosts blebby tourmaline.			
								To	2	BL
12.59	12.65	VN	37	60	NUL	1	Vuggy and oxidized 5cm quartz carbonate vein within oxidized phyllic altered granodiorite.			
18.90	18.94	VN	37	75	NUL	1	Propylitic to phyllic altered granodiorite hosting gouged smokey quartz.			
27.01	27.07	VN	37	80	NUL	1	6cm quartz carbonate vein within weakly propylitic altered granodiorite. Vein hosts blebby to disseminated pyrite, sphalerite.			
								Sp	6	BL
								Py	2	DI
								Py	7	BL
28.31	28.38	VN	37	85	NUL	1	Banded 7 cm quartz carbonate vein (banding occurs between carbonate and quartz injections) found within phyllic to propylitic altered granodiorite. Vein hosts disseminated to blebby pyrite, zoned honey brown sphalerite, disseminated galena, and disseminated arsenopyrite.			
								As	2	DI
								Py	5	DI
								Gn	3	DI
								Py	3	BL
								Sp	4	BL
43.98	44.19	VN	37	80	NUL	2	Weakly argillic granodiorite with weak phyllic overprinting carrying two quartz carbonate veins. First vein is a 6cm quartz carbonate vein hosting dissemianted to blebby pyrite, and blebby sphalerite. The second vein is a 3cm quartz carbonate vein hosting blebby pyrite and sphalerite with carbonate brecciating quartz vein and sulfides. Second vein is found along the contact of light brown quartz feldspar porphyry dyke.			
								Py	1	DI
								Cp	1	BL
								Py	3	BL
								Sp	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
45.15	45.23	VN	37	-	NUL	1	Fractured 7cm quartz carbonate vein hosting blebby pyrite and sphalerite found along lower contact of quartz feldspar porphyry dyke. Displays moderate to strong oxidation along fracture faces.			
								Py	6	BL
								Sp	6	BL
46.30	46.46	VN	37	-	NUL	3	Quartz flooded phyllic/argillic altered granodiorite. Quartz veining throughout hosts disseminated to blebby pyrite and sphalerite. Tan ankerite present.			
								Py	0.1	BL
								Py	1	DI
								Sp	1	DI
								Sp	0.1	BL
48.98	49.08	VN	37	80	NUL	1	10 cm smokey quartz/carbonate vein hosting semi-massive pyrite, blebby zoned honey brown sphalerite, and disseminated to blebby galena.			
								Gn	5	BL
								Py	30	MA
								Sp	15	BL
49.21	49.40	VN	37	85	NUL	3	Three 4-7cm quartz veins hosting disseminated to blebby to disseminated pyrite.			
								Py	4	BL
								Py	20	DI
70.76	70.86	VN	37	80	NUL	1	Phyllic altered granodiorite carrying a carbonate brecciated smokey quartz vein. Vein hosts blebby pyrite, disseminated sphalerite, and disseminated galena.			
								Py	3	BL
								Sp	3	DI
								Gn	3	DI
								Py	5	DI
72.36	72.43	VN	37	70	NUL	1	7cm quartz/smokey quartz carbonate vein found within phyllic to propylitic altered granodiorite. Vein hosts blebby to disseminated pyrite, sphalerite, and disseminated arsenopyrite, as well as bladed pyrite, which is found within carbonate veining along the lower selvedge of the vein.			
								Sp	14	BL
								As	3	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	1	DI
								Py	4	DI
								Py	15	BL
72.43	72.73	VN	37	85	NUL	1	Highly fractured ~30 cm smokey quartz/carbonate vein found within argillic/phyllic granodiorite. Vein hosts massive pyrite throughout, blebby galena, and blebby sphalerite.			
								Py	70	MA
								Gn	5	BL
								Sp	7	BL
72.70	72.74	VN	37	80	NUL	1	Quartz vein crosscutting phyllic granodiorite. Vein hosts blebby to disseminated pyrite throughout.			
								Py	10	DI
								Py	10	BL
80.81	81.89	VN	37	75	NUL	1	7cm milky quartz/carbonate vein hosting blebby pyrite, disseminated to blebby honey brown sphalerite with zoning. Found within argillic/phyllic granodioritei.			
								Py	6	BL
								Py	3	DI
								Sp	3	BL
84.40	89.64	VN	37	-	NUL	1	Quartz flooded vein zone of propylitic altered granodiorite with moderate to strong patchy oxidation and gouge alteration. Interval displays numerous veins and hosts sulfide mineralization throughout both host rock and veins. Interval hosts dominantly disseminated to blebby pyrite, with disseminated to blebby galena and sphalerite also present. Interval is highly fractured.			
								Py	6	DI
								Py	2	BL
								Sp	1	BL
								Gn	1	BL
105.98	106.11	VN	37	65	NUL	1	12cm quartz carbonate vein found within phyllic altered granodiorite. Vein hosts semi-massive blebby pyrite, disseminated chalcopyrite, and blebby sphalerite.			
								Sp	6	BL
								Cp	1	DI
								Py	40	MA

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383307	6889243	1420.07	163.68

ZONE: Stroshein

SECTION:

HOLE: KL-16-328

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth:

Drilling Dates: - Jul 29, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	38.1	-49.3	Reflex
163.67	38.1	-49.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.9	1.9	OVB
1.9	45.87	43.97	GRD
45.87	46.3	0.43	VEN
46.3	65.7	19.4	GRD
65.7	90.81	25.11	GRD
90.81	96.67	5.86	QFP
96.67	117.16	20.49	GRD
117.16	117.54	0.38	VEN
117.54	150.12	32.58	GRD
150.12	158.06	7.94	GRD
158.06	163.68	5.62	GRD

SAMPLES	
Numbers:	K292784, K292794 to K292796, R614689 to R614742
Total:	58
Batch:	060, 084, 086, 088
Certificates:	VA16127969, VA16127973, VA16127975, VA16127977

COMMENTS
Stroshein zone.

Box Log

KL-16-328

Klaza
Stroshein Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.9	8
2	8	11.44
3	11.44	15.5
4	15.5	20.08
5	20.08	24.22
6	24.22	28.65
7	28.65	32.8
8	32.8	36.89
9	36.89	41.3
10	41.3	45.37
11	45.37	49.74
12	49.74	54.16
13	54.16	58.45
14	58.45	62.71
15	62.71	67
16	67	71
17	71	75.29
18	75.29	79.4
19	79.4	83.92
20	83.92	88.08
21	88.08	92.37
22	92.37	96.62
23	96.62	100.69
24	100.69	105
25	105	109.11
26	109.11	113.31
27	113.31	117.45
28	117.45	121.64
29	121.64	125.92
30	125.92	130.15

Box Number	From (m)	To (m)
31	130.15	134.38
32	134.38	138.68
33	138.68	143.06
34	143.06	147.45
35	147.45	151.64
36	151.64	155.89
37	155.89	160.28
38	160.28	163.68

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-328									
	71	15.5	NQ2	GRD	942.2	615.8	2.86	2.9	Smoky quartz breccia containing clasts of phyllic granodiorite. Phyllic granodiorite contains disseminated pyrite. Smoky quartz matrix hosts blebby pyrite, honey brown sphalerite, and galena.
	96.11	13.5	NQ2	QFP	771.2	493	2.69	2.8	Dark green propylitic quartz feldspar porphyry dyke
	117.34	15	NQ2	VEN	844.6	545	2.65	2.8	Polymetallic, polyphase smoky quartz breccia. Initial stage of white quartz-carbonate veining hosting blebby pyrite. Second phase of grey massive quartz with blebby pyrite. Third phase of smoky quartz hosting blebby honey brown sphalerite, galena, and arsenopyrite.
	155.14	13	NQ2	GRD	800.5	509.6	2.9	2.8	Section of the Stroshein vein zone. Phyllic granodiorite cut by netted quartz-carbonate veining with disseminated pyrite throughout groundmass and blebby pyrite in veining.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.90	21.25	19.35	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is semi-pervasive until 12.5m, where it becomes limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GY	PA	OXI	3I	Py	0.1
						MD	GN	FR	PRO	3I		
						MD	BN		ARG	2I		
						MD	PK					
						LT	WH		POT	2I		
21.25	22.37	1.12	FLT	MG	Faulted granodiorite with pervsive, strong oxidation. Fault is weakly mineralized by clay altered quartz-carbonate-pyrite vein.							
						MD	BN	RB	OXI	4I	Py	1
								SN	ARG	3I		
22.37	45.87	23.50	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is semi-pervasive until 12.5m, where it becomes limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GN	PA	PRO	3I	Py	0.1
						MD	GN	MO	POT	2I		
						MD	PK					
						LT	WH		ARG	2I		
						LT	BN		OXI	2I		
45.87	46.30	0.43	VEN	MG	Polymetallic vein breccia. Initial massive quartz-pyrite veining was brecciated by white banded quartz carbonate, followed by another phase of brecciating smoky quartz. The quartz carbonate phase introduced trace blebby blackjack sphalerite.							
						MD	GY	BX			Py	20
						MD	BR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						DK	BK	NE			Sp	0.1
46.30	65.70	19.40	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GN		POT	2I		
						MD	GY		ARG	2I		
						MD	PK		OXI	2I		
						LT	BN	PA	PRO	2I	Py	0.1
65.70	90.81	25.11	GRD	MG	Patches of alteration resulting from vein halos. Halos tend to be phyllic adjacent to the veins grading out in to argillic, sometimes with a weak potassic or propylitic overprint. Mineralized veins in this area tend to have banded, colloform, crustiform quartz carbonate components. Pyrite, honey brown sphalerite, galena, and arsenopyrite can be found in several of these veins.							
						MD	GN	MO	PHC	3I	As	0.1
						MD	GY		ARG	2I	Sp	0.1
						LT	GN	PA	PRO	3I	Py	1
						LT	WH		POT	2I	Gn	0.1
						LT	PK					
90.81	96.67	5.86	QFP	FG	Dark green-grey quartz feldspar porphyry dyke with white-green altered phenocrysts and dark, fine, chilled margins. Find pyrite can be found on some fractures.							
						MD	GN					
						LT	GN					
						DK	GN	PO	HYD	3I	Py	0.1
96.67	117.16	20.49	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	WH	PA	PRO	3I	Py	0.1
						LT	GN	MO	POT	2I		
						LT	PK		ARG	2I		
117.16	117.54	0.38	VEN	MG	Polymetallic, polyphase smoky quartz breccia. Initial stage of white quartz-carbonate veining hosting blebby pyrite. Second phase of grey massive quartz with blebby pyrite. Third phase of smoky quartz hosting blebby honey brown sphalerite, galena, and arsenopyrite.							
						LT	WH				Sp	4
						DK	GY	BX			Py	8
											As	4
											Gn	3
117.54	150.12	32.58	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Granodiorite is occasionally cut by quartz-pyrite veining, often with crustiform textures.							
						MD	GN		ARG	2I		
						MD	GY					
						MD	PK		PHC	3I		
						LT	GN	PA	PRO	3I	Py	1
						LT	WH		POT	2I		
150.12	154.49	4.37	GRD	MG	Light green granodiorite with pervasive strong-moderate phyllic and argillic alteration. Cut by a clay altered, healed fault and quartz-carbonate-pyrite veinlets. Disseminated pyrite throughout the groundmass.							
						LT	GN		PHC	4I	Py	2
									ARG	3I		
154.49	155.80	1.31	VEN	MG	The Stroshein vein zone, netted (but not quite brecciated) by quartz-carbonate-pyrite veining at mixed orientations. Quartz carbonate (ankerite and calcite) tend to show crustiform textures and host blebby pyrite.							
						LT	GN	NE	PHC	4I	Py	2
						LT	TN				Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
155.80	158.06	2.26	GRD	MG	Light green granodiorite with pervasive strong-moderate phyllic, potassic, and argillic alteration. Cut by a clay altered, healed fault and quartz-carbonate-pyrite veinlets. Disseminated pyrite throughout the groundmass.							
						LT	GN	MO	POT	2I	Py	1
						LT	WH		ARG	3I		
						LT	PK		PHC	2I		
158.06	161.40	3.34	GRD	MG	Granodiorite with phyylic-argillic envelopes around rare quartz-carbonate-pyrite veining.							
						MD	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GN	PA	PRO	2I	Py	0.1
									ARG	1I		
161.40	163.68	2.28	GRD	MG	Fresh granodiorite with trace propylitic and potassic alteration.							
						MD	PK					
						MD	GY		PRO	2I		
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.90	45.87	43.97	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is semi-pervasive until 12.5m, where it becomes limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GY	PA	OXI	3I	Py	0.1
						MD	PK					
						MD	BN		ARG	2I		
						LT	WH		POT	2I		
						MD	GN	FR	PRO	3I		
45.87	46.30	0.43	VEN	MG	Polymetallic vein breccia. Initial massive quartz-pyrite veining was brecciated by white banded quartz carbonate, followed by another phase of brecciating smoky quartz. The quartz carbonate phase introduced trace blebby blackjack sphalerite.							
						LT	WH					
						MD	BR					
						DK	BK	NE			Sp	0.1
						MD	GY	BX			Py	20
46.30	65.70	19.40	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining.							
						MD	GY		ARG	2I		
						MD	GN		POT	2I		
						LT	BN	PA	PRO	2I	Py	0.1
						MD	PK		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.70	90.81	25.11	GRD	MG	Patches of alteration resulting from vein halos. Halos tend to be phyllic adjacent to the veins grading out in to argillic, sometimes with a weak potassic or propylitic overprint. Mineralized veins in this area tend to have banded, colloform, crustiform quartz carbonate components. Pyrite, honey brown sphalerite, galena, and arsenopyrite can be found in several of these veins.							
						LT	PK					
						LT	WH		POT	2I	Gn	0.1
						MD	GY		ARG	2I	Sp	0.1
						LT	GN	PA	PRO	3I	Py	1
						MD	GN	MO	PHC	3I	As	0.1
90.81	96.67	5.86	QFP	FG	Dark green-grey quartz feldspar porphyry dyke with white-green altered phenocrysts and dark, fine, chilled margins. Find pyrite can be found on some fractures.							
						DK	GN	PO	HYD	3I	Py	0.1
						MD	GN					
						LT	GN					
96.67	117.16	20.49	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Faults tend to be strongly oxidized with a gouge component. Granodiorite is occasionally cut by quartz-pyrite veining, often with crustiform textures.							
						LT	WH	PA	PRO	3I	Py	0.1
						MD	GY					
						MD	GN		PHC	2I		
						LT	PK		ARG	2I		
						LT	GN	MO	POT	2I		
117.16	117.54	0.38	VEN	MG	Polymetallic, polyphase smoky quartz breccia. Initial stage of white quartz-carbonate veining hosting blebby pyrite. Second phase of grey massive quartz with blebby pyrite. Third phase of smoky quartz hosting blebby honey brown sphalerite, galena, and arsenopyrite.							
											As	4

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH				Sp	4
											Gn	3
						DK	GY	BX			Py	8
117.54	150.12	32.58	GRD	MG	Generally fresh granodiorite with patches of propylitic, potassic, and argillic alteration. Argillic alteration tends to be around heavily fractured sections. Oxidization is limited to fractures and minor faults. Granodiorite is occasionally cut by quartz-pyrite veining, often with crustiform textures.							
						LT	GN	PA	PRO	3I	Py	1
						LT	WH		POT	2I		
						MD	PK		PHC	3I		
						MD	GN		ARG	2I		
						MD	GY					
150.12	158.06	7.94	GRD	MG	The Stroshein vein zone. It is subdued in appearance, but other intersections with the Stroshein were similarly visiually underwhelming. A wide phyllic-argillic halo surrounds a series of netted quartz carbonate veining							
						LT	GN	PA	PHC	4I	Py	1
						LT	WH	NE	ARG	3I		
158.06	163.68	5.62	GRD	MG	Granodiorite with phyylic-argillic envelopes around rare quartz-carbonate-pyrite veining.							
									ARG	1I		
						MD	PK		POT	2I		
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.90	1.90	0	0	0.00	0	--	--	--	Casing
1.90	2.13	0.23	0.16	70	0.00	0	--	3H	2W	
2.13	5.18	3.05	1.59	52	0.15	5	--	2H	4W	
5.18	8.23	3.05	1.96	64	0.38	12	--	2H	3W	
8.23	11.28	3.05	3.04	100	1.50	49	--	3H	4W	
11.28	14.33	3.05	2.79	91	1.39	46	--	3H	4W	
14.33	17.37	3.04	2.89	95	1.00	33	--	3H	3W	
17.37	20.42	3.05	2.97	97	1.92	63	--	4H	2W	
20.42	23.47	3.05	3.02	99	0.66	22	--	2H	4W	
23.47	26.52	3.05	3.03	99	1.70	56	--	3H	2W	
26.52	29.57	3.05	3.05	100	2.42	79	--	5H	1W	
29.57	32.61	3.04	3.04	100	2.69	88	--	5H	1W	
32.61	35.66	3.05	3.03	99	1.97	65	--	5H	1W	
35.66	38.71	3.05	3.05	100	1.82	60	--	4H	2W	
38.71	41.76	3.05	3.05	100	2.56	84	--	5H	1W	
41.76	44.81	3.05	3.04	100	2.02	66	--	4H	1W	
44.81	47.85	3.04	3.04	100	2.26	74	--	4H	2W	
47.85	50.90	3.05	3.05	100	2.11	69	--	4H	2W	
50.90	53.95	3.05	3.04	100	1.78	58	--	3H	3W	
53.95	57.00	3.05	3.05	100	2.14	70	--	4H	3W	
57.00	60.04	3.04	3.04	100	2.44	80	--	5H	1W	
60.04	63.09	3.05	3.05	100	2.02	66	--	5H	2W	
63.09	66.14	3.05	3	98	1.19	39	--	2H	3W	
66.14	69.19	3.05	3.05	100	2.10	69	--	1H	3W	
69.19	72.24	3.05	2.96	97	2.32	76	--	2H	2W	
72.24	75.29	3.05	3.03	99	2.85	93	--	3H	1W	
75.29	78.33	3.04	3	99	2.19	72	--	3H	1W	
78.33	81.38	3.05	2.97	97	2.84	93	--	3H	1W	
81.38	84.43	3.05	2.97	97	2.77	91	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	2.94	96	--	2H	1W	
87.48	90.53	3.05	3	98	2.52	83	--	3H	1W	
90.53	93.57	3.04	3.04	100	2.31	76	--	3H	1W	
93.57	96.62	3.05	2.98	98	2.05	67	--	3H	1W	
96.62	99.67	3.05	3.05	100	2.80	92	--	3H	1W	
99.67	102.72	3.05	2.85	93	2.12	70	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.61	86	--	3H	1W	
105.77	108.81	3.04	2.93	96	1.65	54	--	3H	1W	
108.81	111.86	3.05	3.03	99	2.70	89	--	3H	1W	
111.86	114.91	3.05	2.97	97	2.55	84	--	4H	2W	
114.91	117.96	3.05	2.85	93	2.16	71	--	4H	2W	
117.96	121.01	3.05	2.91	95	2.72	89	--	4H	2W	
121.01	124.05	3.04	3.02	99	2.08	68	--	4H	1W	
124.05	127.10	3.05	3.01	99	2.62	86	--	4H	1W	
127.10	130.15	3.05	3.03	99	2.47	81	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.23	73	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.73	90	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.30	76	--	4H	2W	
139.29	142.34	3.05	3.04	100	2.45	80	--	3H	1W	
142.34	145.39	3.05	3.03	99	2.72	89	--	3H	1W	
145.39	148.44	3.05	3.05	100	2.54	83	--	4H	1W	
148.44	151.49	3.05	3.04	100	2.24	73	--	3H	1W	
151.49	154.53	3.04	3	99	2.25	74	--	2H	1W	
154.53	157.58	3.05	3.02	99	2.32	76	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.70	89	--	3H	1W	
160.63	163.68	3.05	3.02	99	1.85	61	--	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	13.54	GRD	
3	8.78	GRD	RUBBLE
4	0.324	GRD	RUBBLE
5	0.365	GRD	RUBBLE
6	0.151	GRD	RUBBLE
7	17.57	GRD	
8	17.18	GRD	
9	0.454	GRD	
10	0.069	GRD	
11	0.37	GRD	
12	0.578	GRD	
13	24.53	GRD	
14	26.96	GRD	
15	21.58	GRD	
16	19.61	GRD	
17	1.126	GRD	
18	0.666	GRD	
19	0.627	GRD	
20	23.42	GRD	
21	11.52	GRD	
22	0.281	GRD	
23	12.03	GRD	
24	1.225	GRD	
25	0.345	GRD	
26	11.07	GRD	
27	0.559	GRD	
28	14.87	GRD	
29	0.266	GRD	
30	27.19	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	26.37	GRD	
32	16.71	GRD	
33	21.12	GRD	
34	27	GRD	
35	29.74	GRD	
36	24.79	GRD	
37	0.3	GRD	
38	25	GRD	
39	9.17	GRD	
40	41.81	GRD	
41	34.32	GRD	
42	28.08	GRD	
43	27.93	GRD	
44	0.84	GRD	
45	5.401	GRD	
46	0.766	VEN	
47	1.762	GRD	
48	25.92	GRD	
49	1.286	GRD	
50	35.35	GRD	
51	35.12	GRD	
52	21.12	GRD	
53	1.578	GRD	
54	1.35	GRD	
55	6.56	GRD	
56	22.28	GRD	
57	0.681	GRD	
58	0.396	GRD	
59	0.406	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
60	0.447	GRD	
61	0.567	GRD	
62	0.484	GRD	
63	22.16	GRD	
64	2.799	GRD	
65	0.36	GRD	
66	12.31	GRD	
67	0.728	GRD	
68	0.344	GRD	
69	0.194	GRD	
70	0.175	GRD	
71	0.165	GRD	
72	0.868	GRD	
73	0.24	GRD	
74	9.242	GRD	
75	12.12	GRD	
76	5.607	GRD	
77	0.346	GRD	
78	0.246	GRD	
79	0.771	GRD	
80	2.629	GRD	
81	0.416	GRD	
82	0.23	GRD	
83	0.248	GRD	
84	6.749	GRD	
85	27.37	GRD	
86	0.687	GRD	
87	4.664	GRD	
88	8.174	GRD	
89	1.322	GRD	
90	7.475	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
91	1.42	QFP	
92	0.334	QFP	
93	0.396	QFP	
94	0.552	QFP	
95	0.378	QFP	
96	0.843	QFP	
97	0.33	GRD	
98	0.448	GRD	
99	0.149	GRD	
100	0.269	GRD	
101	0.297	GRD	
102	1.525	GRD	
103	7.167	GRD	
104	0.383	GRD	
105	0.249	GRD	
106	0.335	GRD	
107	5.746	GRD	
108	4.031	GRD	
109	0.561	GRD	
110	0.6	GRD	
111	19.95	GRD	
112	0.158	GRD	
113	0.417	GRD	
114	0.34	GRD	
115	6.605	GRD	
116	15.53	GRD	
117	0.494	GRD	
118	0.955	GRD	
119	11.52	GRD	
120	0.394	GRD	
121	0.153	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	0.266	GRD	
123	0.343	GRD	
124	5.751	GRD	
125	28.19	GRD	
126	0.246	GRD	
127	0.374	GRD	
128	1.363	GRD	
129	10.86	GRD	
130	25.67	GRD	
131	4.944	GRD	
132	7.636	GRD	
133	28.09	GRD	
134	25.2	GRD	
135	6.036	GRD	
136	22.56	GRD	
137	5.108	GRD	
138	30.87	GRD	
139	4.212	GRD	
140	19.24	GRD	
141	0.719	GRD	
142	3.477	GRD	
143	4.166	GRD	
144	0.741	GRD	
145	16.35	GRD	
146	0.453	GRD	
147	21.22	GRD	
148	1.056	GRD	
149	17.5	GRD	
150	15.93	GRD	
151	0.232	GRD	
152	0.284	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
153	0.392	GRD	
154	0.194	GRD	
155	0.253	GRD	
156	0.3	GRD	
157	0.615	GRD	
158	8.678	GRD	
159	0.56	GRD	
160	0.22	GRD	
161	4.027	GRD	
162	30.56	GRD	
163	15.66	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614705	☐	16-086			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614708	☐	16-086		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614719	☐	16-086			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614738	☐	16-088		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614696	☐	16-086		KL-STD4	☐	☐	☐
20.30	21.25	0.95	GRD	0.95	100	R614689	☐	16-084			☐	☐	☐
21.25	22.22	0.97	GRD	0.72	74	R614690	☐	16-084			☐	☐	☐
22.22	23.47	1.25	GRD	1.12	90	R614691	☐	16-086			☐	☐	☐
23.47	25.94	2.47	GRD	2.22	90	R614692	☐	16-086			☐	☐	☐
43.50	44.81	1.31	GRD	1.20	92	R614693	☐	16-086			☐	☐	☐
44.81	45.87	1.06	GRD	1.04	98	R614694	☐	16-086			☐	☐	☐
45.87	46.30	0.43	GRD, VEN	0.43	100	K292784	☐	16-060	HG		☐	☐	☐
46.30	47.30	1.00	VEN, GRD	1.00	100	R614695	☐	16-086			☐	☐	☐
47.30	48.30	1.00	GRD	1.00	100	R614697	☐	16-086			☐	☐	☐
48.30	50.15	1.85	GRD	1.85	100	R614698	☐	16-086			☐	☐	☐
48.30	50.15	1.85	GRD	1.85	100	R614699	☐	16-086			☐	☑	☐
50.15	52.36	2.21	GRD	2.21	100	R614700	☐	16-086			☐	☐	☐
52.36	53.55	1.19	GRD	1.00	84	R614701	☐	16-086			☐	☐	☐
53.55	53.95	0.40	GRD	0.40	100	R614702	☐	16-086			☐	☐	☐
63.09	64.07	0.98	GRD	0.92	94	R614703	☐	16-086			☐	☐	☐
64.07	65.70	1.63	GRD	1.43	88	R614704	☐	16-086			☐	☐	☐
65.70	68.53	2.83	GRD, GRD	2.79	99	R614706	☐	16-086			☐	☐	☐
68.53	69.35	0.82	GRD	0.82	100	R614707	☐	16-086			☐	☐	☐
69.35	71.00	1.65	GRD	1.57	95	R614709	☐	16-086			☐	☐	☐
71.00	71.64	0.64	GRD	0.61	95	R614710	☐	16-086			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
71.64	72.97	1.33	GRD	1.30	98	R614711	☐	16-086			☐	☐	☐
72.97	74.33	1.36	GRD	1.36	100	R614712	☐	16-086			☐	☐	☐
79.27	80.13	0.86	GRD	0.85	99	R614713	☐	16-086			☐	☐	☐
80.13	80.85	0.72	GRD	0.61	85	R614714	☐	16-086			☐	☐	☐
80.85	82.54	1.69	GRD	1.68	99	R614715	☐	16-086			☐	☐	☐
80.85	82.54	1.69	GRD	1.68	99	R614716	☐	16-086			☐	☐	☑
97.24	99.11	1.87	GRD	1.87	100	R614717	☐	16-086			☐	☐	☐
99.11	100.18	1.07	GRD	1.06	99	R614718	☐	16-086			☐	☐	☐
100.18	101.26	1.08	GRD	0.80	74	R614720	☐	16-086			☐	☐	☐
101.26	103.52	2.26	GRD	1.09	48	R614721	☐	16-086			☐	☐	☐
103.52	104.30	0.78	GRD	0.78	100	R614722	☐	16-086			☐	☐	☐
104.30	105.72	1.42	GRD	1.41	99	R614723	☐	16-086			☐	☐	☐
105.72	107.66	1.94	GRD	0.84	43	R614724	☐	16-086			☐	☐	☐
107.66	110.36	2.70	GRD	2.70	100	R614725	☐	16-086			☐	☐	☐
110.36	112.66	2.30	GRD	2.30	100	R614726	☐	16-086			☐	☐	☐
112.66	114.91	2.25	GRD	1.26	56	R614727	☐	16-088			☐	☐	☐
112.66	114.91	2.25	GRD	1.26	56	R614728	☐	16-088			☐	☐	☑
114.91	116.35	1.44	GRD	1.41	98	R614729	☐	16-088			☐	☐	☐
116.35	117.16	0.81	GRD	0.70	86	R614730	☐	16-088			☐	☐	☐
117.16	117.63	0.47	GRD, VEN	0.46	98	K292794	☐	16-060	HG		☐	☐	☐
117.63	118.40	0.77	GRD	0.76	99	R614731	☐	16-088			☐	☐	☐
118.40	120.70	2.30	GRD	2.30	100	R614732	☐	16-088			☐	☐	☐
120.70	122.88	2.18	GRD	1.13	52	R614733	☐	16-088			☐	☐	☐
149.17	150.12	0.95	GRD	0.95	100	R614734	☐	16-088			☐	☐	☐
149.17	150.12	0.95	GRD	0.95	100	R614735	☐	16-088			☐	☑	☐
150.12	152.55	2.43	GRD, GRD	2.35	97	R614736	☐	16-088			☐	☐	☐
152.55	153.99	1.44	GRD	1.37	95	R614737	☐	16-088			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
153.99	154.49	0.50	GRD	0.50	100	R614739	☐	16-088			☐	☐	☐
154.49	155.45	0.96	GRD	0.94	98	K292795	☐	16-060	HG		☐	☐	☐
155.45	155.80	0.35	GRD	0.35	100	K292796	☐	16-060	HG		☐	☐	☐
155.80	156.48	0.68	GRD	0.68	100	R614740	☐	16-088			☐	☐	☐
156.48	158.06	1.58	GRD	1.51	96	R614741	☐	16-088			☐	☐	☐
158.06	159.54	1.48	GRD, GRD	1.48	100	R614742	☐	16-088			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	20.30			☐	☐	☐	☐	
16-086	R614696	0.00	0.00	0.39	900	☐	☐	☐	☑ KL-STD4	
16-086	R614705	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-086	R614708	0.00	0.00	4.48	1380	☐	☐	☐	☑ KL-STD1	
16-086	R614719	0.00	0.00	0.00	110	☐	☐	☑	☐	
16-088	R614738	0.00	0.00	0.36	360	☐	☐	☐	☑ KL-STD4	
16-084	R614689	20.30	21.25	0.03	2270	☐	☐	☐	☐	
16-084	R614690	21.25	22.22	0.32	840	☐	☐	☐	☐	
16-086	R614691	22.22	23.47	0.02	2230	☐	☐	☐	☐	
16-086	R614692	23.47	25.94	2.37	430	☐	☐	☐	☐	
		25.94	43.50			☐	☐	☐	☐	
16-086	R614693	43.50	44.81	0.17	1620	☐	☐	☐	☐	
16-086	R614694	44.81	45.87	0.02	2450	☐	☐	☐	☐	
16-060	K292784	45.87	46.30	1.21	80	☐	☐	☐	☐	
16-086	R614695	46.30	47.30	0.09	1360	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-086	R614697	47.30	48.30	0.01	2350	☐	☐	☐	☐	
16-086	R614698	48.30	50.15	0.02	2370	☐	☐	☐	☐	
16-086	R614699	48.30	50.15	0.02	2350	☑	☐	☐	☐	
16-086	R614700	50.15	52.36	0.02	2410	☐	☐	☐	☐	
16-086	R614701	52.36	53.55	0.02	2250	☐	☐	☐	☐	
16-086	R614702	53.55	53.95	0.18	1050	☐	☐	☐	☐	
		53.95	63.09			☐	☐	☐	☐	
16-086	R614703	63.09	64.07	0.02	2070	☐	☐	☐	☐	
16-086	R614704	64.07	65.70	0.25	530	☐	☐	☐	☐	
16-086	R614706	65.70	68.53	0.06	1620	☐	☐	☐	☐	
16-086	R614707	68.53	69.35	0.42	960	☐	☐	☐	☐	
16-086	R614709	69.35	71.00	0.14	910	☐	☐	☐	☐	
16-086	R614710	71.00	71.64	0.30	460	☐	☐	☐	☐	
16-086	R614711	71.64	72.97	0.66	480	☐	☐	☐	☐	
16-086	R614712	72.97	74.33	0.07	2010	☐	☐	☐	☐	
		74.33	79.27			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-086	R614713	79.27	80.13	0.07	1610	☐	☐	☐	☐	
16-086	R614714	80.13	80.85	0.10	1080	☐	☐	☐	☐	
16-086	R614715	80.85	82.54	0.09	1550	☐	☐	☐	☐	
16-086	R614716	80.85	82.54	0.09	1710	☐	☑	☐	☐	
		82.54	97.24			☐	☐	☐	☐	
16-086	R614717	97.24	99.11	0.08	2190	☐	☐	☐	☐	
16-086	R614718	99.11	100.18	0.36	920	☐	☐	☐	☐	
16-086	R614720	100.18	101.26	0.29	820	☐	☐	☐	☐	
16-086	R614721	101.26	103.52	0.05	2230	☐	☐	☐	☐	
16-086	R614722	103.52	104.30	0.10	1470	☐	☐	☐	☐	
16-086	R614723	104.30	105.72	0.16	2330	☐	☐	☐	☐	
16-086	R614724	105.72	107.66	0.04	1710	☐	☐	☐	☐	
16-086	R614725	107.66	110.36	0.06	2310	☐	☐	☐	☐	
16-086	R614726	110.36	112.66	0.15	2380	☐	☐	☐	☐	
16-088	R614727	112.66	114.91	0.89	360	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-088	R614728	112.66	114.91	0.82	320	☐	☑	☐	☐	
16-088	R614729	114.91	116.35	0.05	2200	☐	☐	☐	☐	
16-088	R614730	116.35	117.16	0.18	1450	☐	☐	☐	☐	
16-060	K292794	117.16	117.63	1.78	130	☐	☐	☐	☐	
16-088	R614731	117.63	118.40	0.17	1660	☐	☐	☐	☐	
16-088	R614732	118.40	120.70	0.04	2320	☐	☐	☐	☐	
16-088	R614733	120.70	122.88	0.12	900	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-088	R614734	149.17	150.12	0.03	2500	☐	☐	☐	☐	
16-088	R614735	149.17	150.12	0.02	2400	☑	☐	☐	☐	
16-088	R614736	150.12	152.55	0.04	1420	☐	☐	☐	☐	
16-088	R614737	152.55	153.99	0.09	620	☐	☐	☐	☐	
16-088	R614739	153.99	154.49	0.05	2410	☐	☐	☐	☐	
16-060	K292795	154.49	155.45	0.19	510	☐	☐	☐	☐	
16-060	K292796	155.45	155.80	0.16	470	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-088	R614740	155.80	156.48	0.03	1420	☐	☐	☐	☐	
16-088	R614741	156.48	158.06	0.03	2820	☐	☐	☐	☐	
16-088	R614742	158.06	159.54	0.07	2450	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
3.80	4.15	GO	34	-	NUL	1	Strongly oxide stained gouge.			
10.00	10.06	GO	34	-	NUL	1	Strongly oxide stained gouge.			
17.00	17.37	FT	42	-	NUL	1	Rubbly, fractured strongly phyllic altered plane.			
21.25	22.37	FT	42	-	NUL	1	Fault cut by a quartz-carbonate vein hosting pyrite. Clay gouge is pervasive through granodiorite and vein.			
								Py	1	BL
43.54	43.69	VN	37	55	NUL	1	Massive white quartz and pyrite vein.			
								Py	50	MA
45.87	46.30	VB	37	60	NUL	1	Polymetallic vein breccia. Initial massive quartz-pyrite veining was brecciated by white banded quartz carbonate, followed by another phase of brecciating smoky quartz. The quartz carbonate phase introduced trace blebby blackjack sphalerite.			
								Sp	0.1	BL
								Py	20	BL
53.66	53.74	VN	37	70	NUL	1	Weakly clay gouged and strongly oxide stained quartz-pyrite vein.			
								Py	35	MA
57.75	57.78	VN	37	90	NUL	1	Crustiform-colloform white quartz carbonate vein with fine disseminated pyrite.			
								Py	1	DI
62.39	62.40	VN	37	60	NUL	1	Massive white quartz-pyrite vein.			
								Py	35	MA
64.45	64.78	FT	42	80	NUL	1	Fractured, gouged fault plane along which a quartz carbonate-pyrite vein was introduced. Strong pervasive oxidation.			
								Py	2	BL
69.18	69.22	VN	37	40	NUL	1	Crustiform, colloform quartz carbonate-rhodochrosite vein hosting fine blebby pyrite. Calcite on open surface is bladed.			
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
71.00	71.19	VB	37	60	NUL	1	Smoky quartz breccia containing clasts of phyllic granodiorite. Phyllic granodiorite contains disseminated pyrite. Smoky quartz matrix hosts blebby pyrite, honey brown sphalerite, and galena.			
								Sp	1	BL
								Gn	1	BL
								Py	10	BL
72.37	72.39	VN	37	75	NUL	1	Grey massive quartz hosting blebby pyrite, arsenopyrite, and chalcopyrite.			
								As	1	BL
								Cp	1	BL
								Py	5	BL
72.71	72.83	VN	37	40	NUL	1	Grey massive quartz vein with blebby-massive pyrite, blebby arsenopyrite, and blebby chalcopyrite.			
								Cp	2	BL
								Py	30	MA
								As	2	BL
74.31	74.32	VN	37	70	NUL	1	White quartz vein hosting blebby pyrite and honey brown sphalerite.			
								Sp	8	BL
								Py	10	BL
79.46	79.50	VN	37	60	NUL	2	White quartz-pyrite veins.			
								Py	70	MA
80.45	80.50	VN	37	70	NUL	1	Vein with a 1 cm smoky quartz upper selvedge and 2 cm of crustiform-colloform quartz carbonate. Hosts blebby pyrite, honey brown sphalerite, and galena.			
								Py	10	BL
								Sp	5	BL
								Gn	5	BL
99.88	99.99	VN	37	80	NUL	1	White massive pyrite vein with a central vug that has been mostly filled by colloform white-cream quartz carbonate. Blebby pyrite is found along the selvedges of the colloform section.			
								Py	5	BL
112.92	112.96	VN	37	70	NUL	1	Massive white quartz-pyrite vein with blebby chalcopyrite.			
								Cp	10	BL
								Py	70	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
114.57	114.63	VN	37	55	NUL	1	Banded white quartz carbonate vein hosting blebby-banded pyrite.			
								Py	60	BL
117.16	117.52	BX	34	55	NUL	1	Polymetallic, polyphase smoky quartz breccia. Initial stage of white quartz-carbonate veining hosting blebby pyrite. Second phase of grey massive quartz with blebby pyrite. Third phase of smoky quartz hosting blebby honey brown sphalerite, galena, and arsenopyrite.			
								Sp	1	BL
								As	1	BL
								Gn	1	BL
								Py	5	BL
120.86	122.88	VN	37	50	NUL	3	White massive quartz-pyrite veins with white-tan carbonate.			
								Py	5	BL
130.84	131.54	VT	37	70	NUL	4	White quartz-pyrite veinlets.			
								Py	1	BL
146.61	146.68	VN	37	60	NUL	1	Irregularly banded white/smoky quartz and white carbonate vein hosting blebby pyrite.			
								Py	1	BL
150.12	152.55	FT	42	40	NUL	1	Pervasively clay altered partially healed fault cut by quartz-carbonate-pyrite veinlets. Fine disseminated pyrite throughout groundmass.			
								Py	1	BL
								Py	1	DI
154.49	155.80	VN	37	65	NUL	6	The Stroshein vein zone, netted (but not quite brecciated) by quartz-carbonate-pyrite veining at mixed orientations. Quartz carbonate (ankerite and calcite) tend to show crustiform textures and host blebby pyrite.			
								Py	3	BL
158.80	158.82	VN	37	50	NUL	1	3 veins with crustiform quartz-rhodochrosite along selvedges and massive white calcite along their centres. Centres are sometimes vuggy. Fine blebby pyrite along selvedges.			
								Py	1	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383190	6889752	1387.11	149

ZONE: Eastern Klaza

SECTION:

HOLE: KL-16-329

CLAIM: Klaza 20

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 28 - Jul 29, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
14	39.2	-48.1	Reflex
149	37.1	-49.1	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1	1	OVB
1	11.03	10.03	GRD
11.03	15.62	4.59	GRD
15.62	17.96	2.34	GRD
17.96	25.84	7.88	GRD
25.84	27.33	1.49	GRD
27.33	27.68	0.35	QFP
27.68	33.01	5.33	GRD
33.01	34.1	1.09	GRD
34.1	37.12	3.02	QFP
37.12	56.45	19.33	GRD
56.45	59.93	3.48	GRD
59.93	62.36	2.43	GRD
62.36	63.57	1.21	VEN
63.57	68.56	4.99	GRD
68.56	71.8	3.24	GRD

SAMPLES	
Numbers:	K292801 to K292802, R615847 to R615881
Total:	37
Batch:	090, 092, 094
Certificates:	VA16127981, VA16127985, VA16129499

COMMENTS

71.8	74.47	2.67	VEN
74.47	82.47	8	GRD
82.47	86.8	4.33	GRD
86.8	107.17	20.37	GRD
107.17	126.68	19.51	GRD
126.68	149	22.32	GRD

Box Log

KL-16-329

Klaza

stern Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.25	6.77
2	6.77	10.18
3	10.18	12.85
4	12.85	15.79
5	15.79	18.77
6	18.77	21.57
7	21.57	24.78
8	24.78	27.67
9	27.67	30.29
10	30.29	32.92
11	32.92	36.27
12	36.27	39.18
13	39.18	42.25
14	42.25	45.44
15	45.44	48.4
16	48.4	51.14
17	51.14	53.71
18	53.71	56.2
19	56.2	58.94
20	58.94	61.07
21	61.07	63.71
22	63.71	66.68
23	66.68	69.71
24	69.71	72.48
25	72.48	75.05
26	75.05	77.74
27	77.74	80.71
28	80.71	83.08
29	83.08	85.83
30	85.83	87.91

Box Number	From (m)	To (m)
31	87.91	90.6
32	90.6	93.32
33	93.32	95.67
34	95.67	98.4
35	98.4	101
36	101	103.56
37	103.56	105.54
38	105.54	108.07
39	108.07	111.15
40	111.15	114.19
41	114.19	117.13
42	117.13	119.52
43	119.52	122.08
44	122.08	124.41
45	124.41	127.38
46	127.38	130.16
47	130.16	133.18
48	133.18	136.36
49	136.36	139.45
50	139.45	142.31
51	142.31	144.9
52	144.9	148.15
53	148.15	149

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-329									
	36.98	10.5	HQ	QFP	988.7	646.3	3.02	2.9	16cm quartz/smokey quartz breccia vein found proximal to gouged dyke contact. Breccia vein hosts blebby pyrite, sphalerite along the lower selvedge of the vein. Carbonate brecciates both milky and smokey quartz, nd is found throughout.
	69.26	13.5	HQ	GRD	1167.7	738.1	2.77	2.7	Argillic/propylitic granodiorite with oxidation hosting a 10cm gouge altered smokey quartz vein that hosts disseminate pyrite.
	74.08	17	HQ	VEN	2449.1	1886.3	4.62	4.4	Part of the 77cm Sulfide flooded quartz/smokey quartz/carbonate vein zone displaying patchy brecciation. Zone is highly fractured and contains rubbly patches. Vein hosts disseminated to massive pyrite, blebby chalcopyrite, sphalerite, and disseminated galena. Ground up and strongly gouged zone of pyrite transitions into a quartz carbonate vein hosting massive sulfides with carbonate veining and weak brecciation occurring along the lower selvedge of the vein zone.
	109.68	9	HQ	GRD	815.4	640.2	2.91	4.7	9 cm quartz carbonate vein hosting blebby pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.00	1.00	OVB	--	Medium brown organics and overburden.							
						MD	BR					
1.00	11.03	10.03	GRD	MG	Severely oxidized and weathered granodiorite that has been broken down to fine rubble. Rubbly across entire interval.							
						MD	RD	RB				
						MD	BR					
						LT	OR	FR	OXI	5I		
						DK	OR					
11.03	15.62	4.59	GRD	MG	Oxidized granodiorite transitioning into unaltered granodiorite with moderate oxidation within fractures, joints, and infilled veinlets.							
						MD	OR		OXI	4I		
						LT	OR		OXI	3I		
15.62	17.96	2.34	GRD	MG	Moderate to strongly argillic altered granodiorite that has undergone strong oxidation and breakdown. Highly fractured and displays patches of rubble zones. Argillic granodiorite has been completely pervasively oxidized and broken down (displays brown to orange colour throughout).							
						MD	OR					
						LT	OR	RB	OXI	4I		
						LT	BR	FR	OXI	3I		
17.96	25.84	7.88	GRD	MG	Strongly siliceous propylitic altered granodiorite alternating with patchy silicified unaltered granodiorite. Rock displays strong hardness. Oxidized patches of propylitic altered granodiorite are seen throughout, displaying sporadic breakdown and rubbly patches. Oxidation occurs in fractures and joints throughout. Sporadic carbonate stringers found occasionally throughout.							
						MD	GN	RB	OXI	3I		
						MD	OR	FR	OXI	4I		
						LT	OR	PA	SIL	4I		
						LT	GN		PRO	2I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
25.84	27.33	1.49	GRD	MG	Intensely argillic altered granodiorite (displays bleach white granodiorite grains that are partially clay altered) with weak patchy propylitic overprinting. Transitions into moderately argillic altered granodiorite with phyllic to propylitic overprinting. Zone is found along the upper selvedge of siliceous light green quartz feldspar porphyry dyke. Patchy moderate to strong oxidation throughout and along fracture/joint planes.							
						MD	WH		ARG	4I		
						MD	GN		PRO	2I		
						MD	OR		OXI	3I		
						LT	WH	PA	ARG	3I	Py	1
						LT	GN		ARG	5I		
						LT	OR		PRO	3I		
27.33	27.68	0.35	QFP	FG	Light green quartz feldspar porphyry dyke							
						LT	GN	PO				
						LT	BR					
27.68	33.01	5.33	GRD	MG	moderately siliceous granodiorite alternating between propylitic and argillic alteration. Smll patch of argillic/phyllic alteration present. Pervasive patchy oxidation throughout interval, with moderate to strong oxidation occuring along joint and fracture planes.							
						MD	WH	FR	ARG	2I		
						MD	GN		ARG	3I		
						MD	OR		ARG	4I		
						LT	WH	PA	PHC	2I		
						LT	GN		PRO	2I		
						LT	OR		PRO	3I		
									OXI	3I		
									OXI	4I		
									SIL	3I		
33.01	34.10	1.09	GRD	MG	Highly oxidized and broken down argillic/propylitic granodiorite.							
						MD	OR	RB	PRO	3I		
						LT	OR	FR	PRO	2I		
									ARG	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	4I		
34.10	37.12	3.02	QFP	FG	Light brown to medium grey quartz feldspar porphyry dyke with weak pervasive patchy alteration throughout.							
						MD	GY					
						LT	OR	PO	OXI	2I		
						LT	GN					
37.12	56.45	19.33	GRD	MG	Moderately argillic altered granodiorite with potassic overprinting alternating between recurring patches of both propylitic altered granodiorite, and unaltered granodiorite. Sporadic patches of argillic alteration (with and without propylitic overprinting) occur, which are highly fractured and rubbly. Phyllic halo present within interval, with no significant mineralization. Oxidation present among fracture and joint planes.							
						MD	WH	FR	PRO	2I		
						MD	GN		ARG	2I		
						LT	PK	RB	OXI	2I		
						LT	WH	PA	PRO	3I		
						LT	GN		ARG	3I		
						LT	OR		POT	2I		
56.45	59.93	3.48	GRD	MG	Weak to moderately phyllic to argillic argillic altered granodiorite. Highly fractured and contains a patch of rubbly granodiorite.							
						MD	GN	FR	PHC	3I		
						LT	GN	PA	PHC	2I	Py	2
						LT	OR		OXI	2I		
									ARG	2I		
59.93	62.36	2.43	GRD	MG	Argillic/potassic granodiorite that has been weak to moderately oxidized. Granodiorite is highly fractured and rubbly.							
						LT	OR	PA	OXI	2I		
						LT	BR	FR	OXI	3I		
								RB	POT	2I		
									ARG	2I		
62.36	63.57	1.21	VEN	MG	Highly fractured and gouged vein zone that is broken down and rubbly. Zone consists of moderately quartz flooded phyllic to propylitic granodiorite hosting numerous zones of quartz veining. Vein zone hosts disseminated to blebby pyrite. Gouge and fractures are oxidized.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	RB	SIL	3I	Py	3
						LT	OR	FR	PHC	2I	Py	4
						LT	GN		SIL	4I		
									OXI	3I		
									OXI	2I		
63.57	68.56	4.99	GRD	MG	Quartz flooded argillic/phyllic granodiorite with pervasive patchy oxidation in patches throughout. Interval has patches of highly fractured and rubbly zones, and minor to moderate gouge alteration is present. Mineralized quartz veins present throughout hosting minor sulfides.							
						MD	WH		ARG	3I		
						LT	GY	RB	PHC	2I		
						LT	GN	FR	OXI	2I	Py	1
						LT	WH		ARG	2I		
						LT	OR		SIL	3I		
						LT	BR					
68.56	71.80	3.24	GRD	MG	Quartz flooded weakly phyllic altered granodiorite with patchy oxidation. Interval is highly fractured and gouged sporadically throughout. Mineralized zone found within.							
						LT	OR	RB	OXI	2I		
						LT	GN	PA	PHC	2I	Py	1
						LT	GY	FR	SIL	3I		
71.80	74.47	2.67	VEN	MG	Quartz/smokey quartz carbonate breccia vein zone. Zone is highly fractured and contains rubbly patches. Vein hosts disseminated to massive pyrite, blebby chalcopyrite, sphalerite, and disseminated galena. Zone alternated between gouged and highly fractured zone to breccia veins where carbonate brecciates both smokey quartz and quartz through multiphase injection.							
						LT	BL	FR	OXI	2I	Py	30
						LT	WH	BX	PHC	2I	Cp	8
						LT	OR				Gn	2
						LT	GY				Sp	10
						DK	GY	RB	ARG	2I	Py	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.47	82.47	8.00	GRD	MG	Weakly argillic altered granodiorite with alternating patchy phyllic to potassic overprinting. Weak to moderate quartz flooding is present. Patchy pervasive oxidation is found towards lower end of interval. Zone is moderately fractured.							
						LT	GY	RB				
						LT	GN	PA				
						LT	WH	FR				
						LT	OR					
						LT	PK					
82.47	86.80	4.33	GRD	MG	Patchy argillic to propylitic altered granodiorite with patchy pervasive oxidation. Minearlized vein found within.							
						MD	GN	FR	ARG	2I		
						MD	OR		OXI	3I		
						LT	OR	PA	PRO	2I	Py	1
86.80	107.17	20.37	GRD	MG	Weak to moderate argillic altered granodiorite with alternating patches of trace potassic, weak propylitic, and weak phyllic overprinting. Halos of weak to moderate phyllic to propylitic halos are found within argillic alteration. Zone is fractured throughout. Quartz to quartz carbonate stringers to small veinlets are found within halos.							
						MD	WH	FR	ARG	3I		
						MD	GN		PHC	2I		
						LT	WH	PA	ARG	2I	Py	0.1
						LT	PK		PRO	2I		
						LT	GN		ARG	4I		
									PRO	3I		
									POT	2I		
107.17	126.68	19.51	GRD	MG	Unaltered granodiorite with patches of trace propylitic overprinting alternating with argillic altered granodiorite displaying patchy trace to weak phyllic, potassic and propylitic overprinting. Interval has large zones of highly fractured and rubbly granodiorite throughout.							
						LT	GN	RB	POT	2I		
						LT	WH	PA	ARG	2I		
						LT	PK	FR	PRO	2I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.68	149.00	22.32	GRD	MG	Unaltered granodiorite with sporadic zones that are highly fractured and rubbly. Patchy phyllic to propylitic halos present.							
						LT	GN	FR	PHC	2I		
								RB	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.00	1.00	OVB	--	Medium brown organics and overburden.							
						MD	BR					
1.00	11.03	10.03	GRD	MG	Severely oxidized and weathered granodiorite that has been broken down to fine rubble. Rubbly across entire interval.							
						LT	OR	FR	OXI	5I		
						MD	RD	RB				
						DK	OR					
						MD	BR					
11.03	15.62	4.59	GRD	MG	Oxidized granodiorite transitioning into unaltered granodiorite with moderate oxidation within fractures, joints, and infilled veinlets.							
						LT	OR		OXI	3I		
						MD	OR		OXI	4I		
15.62	17.96	2.34	GRD	MG	Moderate to strongly argillic altered granodiorite that has undergone strong oxidation and breakdown. Highly fractured and displays patches of rubble zones. Argillic granodiorite has been completely pervasively oxidized and broken down (displays brown to orange colour throughout).							
						MD	OR					
						LT	BR	FR	OXI	3I		
						LT	OR	RB	OXI	4I		
17.96	25.84	7.88	GRD	MG	Strongly siliceous propylitic altered granodiorite alternating with patchy silicified unaltered granodiorite. Rock displays strong hardness. Oxidized patches of propylitic altered granodiorite are seen throughout, displaying sporadic breakdown and rubbly patches. Oxidation occurs in fractures and joints throughout. Sporadic carbonate stringers found occasionally throughout.							
						MD	OR	FR	OXI	4I		
						MD	GN	RB	OXI	3I		
						LT	GN		PRO	2I		
									PRO	3I		
						LT	OR	PA	SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
25.84	27.33	1.49	GRD	MG	Intensely argillic altered granodiorite (displays bleach white granodiorite grains that are partially clay altered) with weak patchy propylitic overprinting. Transitions into moderately argillic altered granodiorite with phyllic to propylitic overprinting. Zone is found along the upper selvedge of siliceous light green quartz feldspar porphyry dyke. Patchy moderate to strong oxidation throughout and along fracture/joint planes.							
						MD	WH		ARG	4I		
						LT	GN		ARG	5I		
						MD	GN		PRO	2I		
						LT	OR		PRO	3I		
						MD	OR		OXI	3I		
						LT	WH	PA	ARG	3I	Py	1
27.33	27.68	0.35	QFP	FG	Strongly siliceous light green quartz feldspar porphyry dyke							
						LT	GN	PO	SIL	4I		
						LT	BR					
27.68	33.01	5.33	GRD	MG	moderately siliceous granodiorite alternating between propylitic and argillic alteration. Smll patch of argillic/phyllic alteration present. Pervasive patchy oxidation throughout interval, with moderate to strong oxidation occuring along joint and fracture planes.							
						MD	OR		ARG	4I		
									SIL	3I		
									OXI	4I		
						LT	OR		PRO	3I		
						LT	GN		PRO	2I		
						MD	GN		ARG	3I		
						MD	WH	FR	ARG	2I		
						LT	WH	PA	PHC	2I		
									OXI	3I		
33.01	34.10	1.09	GRD	MG	Highly oxidized and broken down argillic/propylitic granodiorite.							
						LT	OR	FR	PRO	2I		
						MD	OR	RB	PRO	3I		
									ARG	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	4I		
34.10	37.12	3.02	QFP	FG	Light brown to medium grey quartz feldspar porphyry dyke with weak pervasive patchy alteration throughout.							
						LT	GN					
						LT	OR	PO	OXI	2I		
						MD	GY					
37.12	56.45	19.33	GRD	MG	Moderately argillic altered granodiorite with potassic overprinting alternating between recurring patches of both propylitic altered granodiorite, and unaltered granodiorite. Sporadic patches of argillic alteration (with and without propylitic overprinting) occur, which are highly fractured and rubbly. Phyllic halo present within interval, with no significant mineralization. Oxidation present among fracture and joint planes.							
						LT	WH	PA	PRO	3I		
						LT	OR		POT	2I		
						MD	GN		ARG	2I		
						LT	GN		ARG	3I		
						MD	WH	FR	PRO	2I		
						LT	PK	RB	OXI	2I		
56.45	59.93	3.48	GRD	MG	Weak to moderately phyllic to argillic argillic altered granodiorite. Highly fractured and contains a patch of rubbly granodiorite.							
						LT	GN	PA	PHC	2I	Py	2
						MD	GN	FR	PHC	3I		
						LT	OR		OXI	2I		
									ARG	2I		
59.93	62.36	2.43	GRD	MG	Argillic/potassic granodiorite that has been weak to moderately oxidized. Granodiorite is highly fractured and rubbly.							
								RB	POT	2I		
						LT	OR	PA	OXI	2I		
									ARG	2I		
						LT	BR	FR	OXI	3I		
62.36	63.57	1.21	VEN	MG	Highly fractured and gouged vein zone that is broken down and rubbly. Zone consists of moderately quartz flooded phyllic to propylitic granodiorite hosting numerous zones of quartz veining. Vein zone hosts disseminated to blebby pyrite. Gouge and fractures are oxidized.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	3I		
									OXI	2I		
						LT	GN		SIL	4I		
						LT	GY	RB	SIL	3I	Py	3
						LT	OR	FR	PHC	2I	Py	4
63.57	68.56	4.99	GRD	MG	Quartz flooded argillic/phyllic granodiorite with pervasive patchy oxidation in patches throughout. Interval has patches of highly fractured and rubbly zones, and minor to moderate gouge alteration is present. Mineralized quartz veins present throughout hosting minor sulfides.							
						LT	GN	FR	OXI	2I	Py	1
						LT	BR					
						LT	OR		SIL	3I		
						MD	WH		ARG	3I		
						LT	GY	RB	PHC	2I		
						LT	WH		ARG	2I		
68.56	71.80	3.24	GRD	MG	Quartz flooded weakly phyllic altered granodiorite with patchy oxidation. Interval is highly fractured and gouged sporadically throughout. Mineralized zone found within.							
						LT	GN	PA	PHC	2I	Py	1
						LT	GY	FR	SIL	3I		
						LT	OR	RB	OXI	2I		
71.80	74.47	2.67	VEN	MG	Quartz/smokey quartz carbonate breccia vein zone. Zone is highly fractured and contains rubbly patches. Vein hosts disseminated to massive pyrite, blebby chalcopyrite, sphalerite, and disseminated galena. Zone alternated between gouged and highly fractured zone to breccia veins where carbonate brecciates both smokey quartz and quartz through multiphase injection.							
						LT	BL	FR	OXI	2I	Py	30
						LT	OR				Gn	2
						LT	GY				Sp	10
						LT	WH	BX	PHC	2I	Cp	8
						DK	GY	RB	ARG	2I	Py	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.47	82.47	8.00	GRD	MG	Weakly argillic altered granodiorite with alternating patchy phyllic to potassic overprinting. Weak to moderate quartz flooding is present. Patchy pervasive oxidation is found towards lower end of interval. Zone is moderately fractured.							
						LT	GN	PA				
						LT	GY	RB				
						LT	PK					
						LT	OR					
						LT	WH	FR				
82.47	86.80	4.33	GRD	MG	Patchy argillic to propylitic altered granodiorite with patchy pervasive oxidation. Minearlized vein found within.							
						MD	OR		OXI	3I		
						MD	GN	FR	ARG	2I		
						LT	OR	PA	PRO	2I	Py	1
86.80	107.17	20.37	GRD	MG	Weak to moderate argillic altered granodiorite with alternating patches of trace potassic, weak propylitic, and weak phyllic overprinting. Halos of weak to moderate phyllic to propylitic halos are found within argillic alteration. Zone is fractured throughout. Quartz to quartz carbonate stringers to small veinlets are found within halos.							
						LT	GN		ARG	4I		
						MD	WH	FR	ARG	3I		
						LT	WH	PA	ARG	2I	Py	0.1
						MD	GN		PHC	2I		
						LT	PK		PRO	2I		
									PRO	3I		
									POT	2I		
107.17	126.68	19.51	GRD	MG	Unaltered granodiorite with patches of trace propylitic overprinting alternating with argillic altered granodiorite displaying patchy trace to weak phyllic, potassic and propylitic overprinting. Interval has large zones of highly fractured and rubbly granodiorite throughout.							
						LT	WH	PA	ARG	2I		
						LT	PK	FR	PRO	2I		
						LT	GN	RB	POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	2I		
126.68	149.00	22.32	GRD	MG	Unaltered granodiorite with sporadic zones that are highly fractured and rubbly. Patchy phyllic to propylitic halos present.							
								RB	PRO	2I		
						LT	GN	FR	PHC	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.25	1.25	0	0	0.00	0	--	--	--	Casing
1.25	5.00	3.75	1.46	39	0.00	0	--	1H	5W	
5.00	8.00	3.00	1.86	62	0.00	0	--	1H	4W	
8.00	11.00	3.00	2.98	99	0.13	4	--	1H	4W	
11.00	14.00	3.00	2.93	98	1.20	40	--	2H	4W	
14.00	17.00	3.00	2.82	94	1.42	47	--	1H	3W	
17.00	20.00	3.00	3	100	1.51	50	--	2H	3W	
20.00	23.00	3.00	2.96	99	1.73	58	--	1H	2W	
23.00	26.00	3.00	2.95	98	1.72	57	--	3H	2W	
26.00	29.00	3.00	3	100	1.30	43	--	2H	2W	
29.00	32.00	3.00	3	100	1.50	50	--	3H	2W	
32.00	35.00	3.00	2.6	87	0.23	8	--	1H	3W	
35.00	38.00	3.00	2.97	99	1.66	55	--	1H	2W	
38.00	41.00	3.00	2.86	95	1.34	45	--	3H	1W	
41.00	44.00	3.00	2.98	99	1.75	58	--	3H	1W	
44.00	47.00	3.00	2.83	94	1.64	55	--	3H	1W	
47.00	50.00	3.00	3	100	1.71	57	--	1H	1W	
50.00	53.00	3.00	3	100	1.05	35	--	1H	1W	
53.00	56.00	3.00	2.96	99	0.63	21	--	1H	1W	
56.00	59.00	3.00	2.92	97	1.24	41	--	2H	1W	
59.00	62.00	3.00	2.83	94	0.36	12	--	1H	1W	
62.00	65.00	3.00	2.68	89	0.00	0	--	1H	1W	
65.00	68.00	3.00	3	100	1.53	51	--	1H	1W	
68.00	71.00	3.00	2.94	98	1.88	63	--	2H	1W	
71.00	74.00	3.00	3	100	0.14	5	--	1H	1W	
74.00	77.00	3.00	3	100	1.05	35	--	1H	1W	
77.00	80.00	3.00	3	100	1.52	51	--	2H	1W	
80.00	83.00	3.00	2.84	95	0.60	20	--	1H	1W	
83.00	86.00	3.00	2.79	93	0.52	17	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	3	100	0.47	16	--	1H	1W	
89.00	92.00	3.00	2.92	97	1.53	51	--	2H	1W	
92.00	95.00	3.00	2.87	96	0.62	21	--	1H	1W	
95.00	98.00	3.00	3	100	1.36	45	--	2H	1W	
98.00	101.00	3.00	3	100	0.77	26	--	1H	1W	
101.00	104.00	3.00	3	100	0.68	23	--	1H	1W	
104.00	107.00	3.00	2.82	94	0.58	19	--	1H	1W	
107.00	110.00	3.00	2.89	96	1.19	40	--	1H	1W	
110.00	113.00	3.00	2.92	97	1.66	55	--	3H	1W	
113.00	116.00	3.00	2.8	93	1.76	59	--	3H	1W	
116.00	119.00	3.00	2.87	96	0.85	28	--	3H	1W	
119.00	122.00	3.00	2.8	93	1.46	49	--	4H	1W	
122.00	125.00	3.00	2.88	96	1.19	40	--	3H	1W	
125.00	128.00	3.00	2.59	86	0.73	24	--	4H	1W	
128.00	131.00	3.00	3	100	0.75	25	--	4H	1W	
131.00	134.00	3.00	2.98	99	0.28	9	--	4H	1W	
134.00	137.00	3.00	3	100	2.42	81	--	4H	1W	
137.00	140.00	3.00	3	100	1.91	64	--	4H	1W	
140.00	143.00	3.00	2.98	99	1.39	46	--	4H	1W	
143.00	146.00	3.00	2.95	98	1.06	35	--	3H	1W	
146.00	149.00	3.00	3	100	1.77	59	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	OVB	Rubble. No mag taken
1	0	GRD	Rubble. No mag taken
2	11	GRD	
3	0	GRD	Rubble. No mag taken
4	0	GRD	Rubble. No mag taken
5	0	GRD	Rubble. No mag taken
6	0.356	GRD	
7	0	GRD	Rubble. No mag taken
8	3	GRD	
9	0.701	GRD	
10	0	GRD	Rubble. No mag taken
11	0.598	GRD	
12	1.78	GRD	
13	30.9	GRD	
14	12.5	GRD	
15	3.84	GRD	
16	0.53	GRD	
17	0.885	GRD	
18	0.296	GRD	
19	0.532	GRD	
20	23.7	GRD	
21	1.26	GRD	
22	0.579	GRD	
23	19.6	GRD	
24	0.506	GRD	
25	1.33	GRD	
26	1.48	GRD	
27	0.91	GRD	
28	0.691	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
29	3.17	GRD	
30	3.36	GRD	
31	0.539	GRD	
32	0.638	GRD	
33	0.781	GRD	
34	0.572	GRD	
35	0.292	QFP	
36	0.223	QFP	
37	0.244	QFP	
38	0.898	GRD	
39	0.402	GRD	
40	0.727	GRD	
41	1.93	GRD	
42	27.5	GRD	
43	0.608	GRD	
44	28.7	GRD	
45	2.05	GRD	
46	18.4	GRD	
47	14.5	GRD	
48	0.536	GRD	
49	1.25	GRD	
50	0.896	GRD	
51	0.576	GRD	
52	0.895	GRD	
53	1.15	GRD	
54	0	GRD	Rubble. No mag taken
55	8.41	GRD	
56	11.8	GRD	
57	0.619	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.141	GRD	
59	0.511	GRD	
60	0.667	GRD	
61	0.461	GRD	
62	0.311	GRD	
63	0.312	VEN	
64	0.396	GRD	
65	0.357	GRD	
66	0.404	GRD	
67	0.598	GRD	
68	0.553	GRD	
69	0.424	GRD	
70	0.423	GRD	
71	0.774	GRD	
72	0.28	VEN	
73	0.444	VEN	
74	0.207	VEN	
75	0.501	GRD	
76	0.393	GRD	
77	0.806	GRD	
78	1.04	GRD	
79	0.419	GRD	
80	0.418	GRD	
81	0.555	GRD	
82	0.432	GRD	
83	0.648	GRD	
84	0.65	GRD	
85	0.829	GRD	
86	0.326	GRD	
87	1.72	GRD	
88	1.46	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	13.4	GRD	
90	23.4	GRD	
91	8.38	GRD	
92	3.53	GRD	
93	26.8	GRD	
94	4.04	GRD	
95	0.876	GRD	
96	3.15	GRD	
97	30.5	GRD	
98	32.7	GRD	
99	0.326	GRD	
100	0.34	GRD	
101	0.35	GRD	
102	24.5	GRD	
103	18.3	GRD	
104	7.74	GRD	
105	3.02	GRD	
106	0.627	GRD	
107	0.519	GRD	
108	12.9	GRD	
109	1.56	GRD	
110	0.903	GRD	
111	7.4	GRD	
112	42	GRD	
113	14.3	GRD	
114	1.19	GRD	
115	0.48	GRD	
116	1.08	GRD	
117	1.76	GRD	
118	6.5	GRD	
119	28.2	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	33.6	GRD	
121	36.1	GRD	
122	18.4	GRD	
123	32.4	GRD	
124	28.5	GRD	
125	31.6	GRD	
126	38.9	GRD	
127	27.8	GRD	
128	38.8	GRD	
129	13.1	GRD	
130	9.76	GRD	
131	32.4	GRD	
132	40.5	GRD	
133	41.4	GRD	
134	38.4	GRD	
135	16.5	GRD	
136	38.4	GRD	
137	30.5	GRD	
138	0.616	GRD	
139	3.9	GRD	
140	0.629	GRD	
141	21.9	GRD	
142	41.2	GRD	
143	13	GRD	
144	0.899	GRD	
145	26.3	GRD	
146	26.6	GRD	
147	38	GRD	
148	43.4	GRD	
149	34.1	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615865	☐	16-090		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615873	☐	16-094		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615878	☐	16-094			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615857	☐	16-090			☑	☐	☐
36.90	37.44	0.54	QFP	0.54	100	R615847	☐	16-090			☐	☐	☐
37.44	38.00	0.56	GRD	0.56	100	R615848	☐	16-090			☐	☐	☐
38.00	38.71	0.71	GRD	0.71	100	R615849	☐	16-090			☐	☐	☐
57.28	58.00	0.72	GRD	0.50	69	R615850	☐	16-090			☐	☐	☐
58.00	58.56	0.56	GRD	0.56	100	R615851	☐	16-090			☐	☐	☐
58.56	59.50	0.94	GRD	0.94	100	R615853	☐	16-090			☐	☐	☐
58.56	59.50	0.94	GRD	0.94	100	R615852	☐	16-090			☐	☐	☑
59.50	62.40	2.90	GRD	2.90	100	R615854	☐	16-090			☐	☐	☐
62.40	63.17	0.77	VEN	0.60	78	R615855	☐	16-090			☐	☐	☐
63.17	63.71	0.54	VEN	0.54	100	R615856	☐	16-090			☐	☐	☐
63.71	65.00	1.29	GRD	1.29	100	R615858	☐	16-090			☐	☐	☐
65.00	66.68	1.68	GRD	1.68	100	R615859	☐	16-090			☐	☐	☐
66.68	67.18	0.50	GRD	0.50	100	R615860	☐	16-090			☐	☐	☐
67.18	68.00	0.82	GRD	0.82	100	R615861	☐	16-090			☐	☐	☐
67.18	68.00	0.82	GRD	0.82	100	R615862	☐	16-090			☐	☑	☐
68.00	69.16	1.16	GRD	1.16	100	R615863	☐	16-090			☐	☐	☐
69.16	69.66	0.50	GRD	0.50	100	R615864	☐	16-090			☐	☐	☐
69.66	71.00	1.34	GRD	1.34	100	R615866	☐	16-090			☐	☐	☐
71.00	71.69	0.69	GRD	0.69	100	R615867	☐	16-090			☐	☐	☐
71.69	72.49	0.80	GRD	0.80	100	R615868	☐	16-090			☐	☐	☐
72.49	73.20	0.71	VEN	0.71	100	K292801	☐	16-092	High Grade		☐	☐	☐
73.20	73.72	0.52	VEN	0.52	100	R615869	☐	16-094			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
73.72	74.27	0.55	VEN	0.55	100	K292802	☐	16-092	High Grade		☐	☐	☐
74.27	74.96	0.69	VEN	0.69	100	R615870	☐	16-094			☐	☐	☐
74.96	76.60	1.64	GRD	1.64	100	R615871	☐	16-094			☐	☐	☐
81.17	82.70	1.53	GRD	0.73	48	R615872	☐	16-094			☐	☐	☐
82.70	83.46	0.76	GRD	0.76	100	R615874	☐	16-094			☐	☐	☐
83.46	84.79	1.33	GRD	1.33	100	R615875	☐	16-094			☐	☐	☐
84.79	85.50	0.71	GRD	0.71	100	R615876	☐	16-094			☐	☐	☐
85.50	86.00	0.50	GRD	0.50	100	R615877	☐	16-094			☐	☐	☐
86.00	86.57	0.57	GRD	0.57	100	R615879	☐	16-094			☐	☐	☐
86.57	87.46	0.89	GRD	0.89	100	R615880	☐	16-094			☐	☐	☐
109.48	110.00	0.52	GRD	0.52	100	R615881	☐	16-094			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	36.90			☐	☐	☐	☐	
16-090	R615857	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-090	R615865	0.00	0.00	4.54	170	☐	☐	☐	☑ KL-STD1	
16-094	R615873	0.00	0.00	4.44	1410	☐	☐	☐	☑ KL-STD1	
16-094	R615878	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-090	R615847	36.90	37.44	0.45	330	☐	☐	☐	☐	
16-090	R615848	37.44	38.00	0.00	2810	☐	☐	☐	☐	
16-090	R615849	38.00	38.71	0.00	2610	☐	☐	☐	☐	
		38.71	57.28			☐	☐	☐	☐	
16-090	R615850	57.28	58.00	0.01	1500	☐	☐	☐	☐	
16-090	R615851	58.00	58.56	0.12	890	☐	☐	☐	☐	
16-090	R615852	58.56	59.50	0.12	780	☐	☑	☐	☐	
16-090	R615853	58.56	59.50	0.61	1490	☐	☐	☐	☐	
16-090	R615854	59.50	62.40	0.06	2190	☐	☐	☐	☐	
16-090	R615855	62.40	63.17	4.82	1230	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-090	R615856	63.17	63.71	0.61	320	☐	☐	☐	☐	
16-090	R615858	63.71	65.00	0.03	2230	☐	☐	☐	☐	
16-090	R615859	65.00	66.68	0.01	1890	☐	☐	☐	☐	
16-090	R615860	66.68	67.18	0.10	710	☐	☐	☐	☐	
16-090	R615861	67.18	68.00	0.03	1540	☐	☐	☐	☐	
16-090	R615862	67.18	68.00	0.04	1470	☑	☐	☐	☐	
16-090	R615863	68.00	69.16	0.16	2350	☐	☐	☐	☐	
16-090	R615864	69.16	69.66	0.36	1290	☐	☐	☐	☐	
16-090	R615866	69.66	71.00	0.09	1630	☐	☐	☐	☐	
16-090	R615867	71.00	71.69	0.18	920	☐	☐	☐	☐	
16-090	R615868	71.69	72.49	0.19	900	☐	☐	☐	☐	
16-092	K292801	72.49	73.20	3.31	1170	☐	☐	☐	☐	
16-094	R615869	73.20	73.72	3.26	500	☐	☐	☐	☐	
16-092	K292802	73.72	74.27	10.15	520	☐	☐	☐	☐	
16-094	R615870	74.27	74.96	0.14	1310	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-094	R615871	74.96	76.60	0.01	1720	☐	☐	☐	☐	
		76.60	81.17			☐	☐	☐	☐	
16-094	R615872	81.17	82.70	0.05	1550	☐	☐	☐	☐	
16-094	R615874	82.70	83.46	0.01	980	☐	☐	☐	☐	
16-094	R615875	83.46	84.79	0.10	840	☐	☐	☐	☐	
16-094	R615876	84.79	85.50	0.01	1510	☐	☐	☐	☐	
16-094	R615877	85.50	86.00	0.94	1420	☐	☐	☐	☐	
16-094	R615879	86.00	86.57	0.04	970	☐	☐	☐	☐	
16-094	R615880	86.57	87.46	0.01	2670	☐	☐	☐	☐	
		87.46	######			☐	☐	☐	☐	
16-094	R615881	109.48	110.00	3.15	1510	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
36.90	37.06	BV		85	NUL	1	16cm quartz/smokey quartz breccia vein found proximal to gouged dyke contact. Breccia vein hosts blebby pyrite, sphalerite along the lower selvedge of the vein. Carbonate brecciates both milky and smokey quartz, and is found throughout.			
								Sp	8	BL
								Py	12	BL
58.25	58.32	VN	37	85	NUL	1	7cm quartz/smokey quartz vein hosting disseminated pyrite throughout.			
								Py	7	DI
58.61	58.65	VN	37	75	NUL	1	4cm quartz/smokey quartz/carbonate vein crosscutting phyllic altered granodiorite. No mineralization present.			
59.23	59.31	VN	37	30	NUL	1	~8cm quartz vein crosscutting phyllic altered granodiorite. Smokey quartz veining with minor disseminated pyrite is found proximal to quartz vein (~1cm wide) Vein is approximated due to highly fractured upper selvedge.			
								Py	1	DI
62.36	63.29	VN	37	-	NUL	1	93cm fractured and rubbly vein zone hosting disseminated to blebby pyrite. Throughout.			
								Py	10	DI
								Py	3	BL
69.22	69.32	VN	37	75	NUL	1	Argillic/propylitic granodiorite with oxidation hosting a 10cm gouge altered smokey quartz vein that hosts disseminate pyrite.			
								Py	1	DI
72.58	73.38	VN	37	60	NUL	1	80cm quartz/smokey quartz carbonate breccia vein zone. Zone is highly fractured and contains rubbly patches at the start of the veins one, transitioning to a partially gouged breccia vein. Vein is a multiphase zone, where quartz and smokey quartz are found together, both hosting sulfide, followed by carbonate veining that brecciates the entire zone. Hosts blebby pyrite, sphalerite, and disseminated galena.			
								Gn	3	DI
								Py	20	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	6	BL
73.38	73.74	GO	34	-	NUL	1	Gouged zone of quartz flooded argillic/phyllic granodiorite hosting disseminated to blebby pyrite, within quartz veining throughout.			
								Py	5	DI
								Py	2	BL
73.74	74.47	VN	37	-	NUL	1	77cm Sulfide flooded quartz/smokey quartz/carbonate vein zone displaying patchy brecciation. Zone is highly fractured and contains rubbly patches. Vein hosts disseminated to massive pyrite, blebby chalcopyrite, sphalerite, and disseminated galena. Ground up and strongly gouged zone of pyrite transitions into a quartz carbonate vein hosting massive sulfides with carbonate veining and weak brecciation occurring along the lower selvedge of the vein zone.			
								Cp	6	BL
								Sp	6	BL
								Gn	1	DI
								Py	60	MA
80.00	80.11	VN	37	-	NUL	1	Fractured and gouged argillic/phyllic granodiorite hosting a gouged smokey quartz vein. Disseminated pyrite present.			
								Py	5	DI
85.71	86.00	VN	37	-	NUL	1	Gouged and fractured 29cm zone carrying an 13cm quartz vein hosting blebby pyrite. Area surrounding vein, which is fractured and gouged, displays both oxidation, and scorodite throughout fracture and joint faces.			
								So	8	PA
								Py	20	BL
104.00	104.66	FT	42	-	NUL	1	Highly fractured and rubbly argillic/unaltered granodiroite. Possible fault zone			
109.68	109.76	VN	37	80	NUL	1	9cm quartz carbonte vein found hosting blebby and disseminated pyrite.			
								Py	18	BL
110.89	111.15	FT	42	-	NUL	1	Highly fractured and rubbly unaltered granodiroite. Possible fault zone			
121.04	122.00	FT	42	-	NUL	1	Highly fractured and rubbly propylitic/unaltered granodiroite. Possible fault zone.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
127.11	127.38	FT	42	-	NUL	1	Highly fractured and rubbly unaltered granodiroite. Possible fault zone			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383229	6889312	1428.18	145.39

ZONE: Stroshein

SECTION:

HOLE: KL-16-330

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth:

Drilling Dates: - Jul 29, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	33.7	-49.1	Reflex
148.43	37	-49	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.75	1.75	CAS
1.75	29.57	27.82	GRD
29.57	33.34	3.77	GRD
33.34	38	4.66	GRD
38	67.83	29.83	GRD
67.83	79.9	12.07	GRD
79.9	83.28	3.38	GRD
83.28	87.2	3.92	QFP
87.2	95.8	8.6	GRD
95.8	97.25	1.45	QFP
97.25	128.12	30.87	GRD
128.12	138.34	10.22	GRD
138.34	145.39	7.05	GRD

SAMPLES	
Numbers:	K292798 to K292800, R614743 to R614750, R614801 to R614835
Total:	46
Batch:	060, 088, 091
Certificates:	VA16127969, VA16127977, VA16127983

COMMENTS

Box Log

KL-16-330

Klaza
Stroshein Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.75	8.51
2	8.51	12.3
3	12.3	16.31
4	16.31	20.3
5	20.3	24.36
6	24.36	28.66
7	28.66	32.61
8	32.61	36.6
9	36.6	40.96
10	40.96	45.2
11	45.2	49.4
12	49.4	53.6
13	53.6	57.57
14	57.57	61.75
15	61.75	66.05
16	66.05	70
17	70	73.73
18	73.73	78
19	78	82.15
20	82.15	86.23
21	86.23	90.53
22	90.53	94.74
23	94.74	99
24	99	103.05
25	103.05	107.18
26	107.18	111.4
27	111.4	115.35
28	115.35	119.41
29	119.41	123.57
30	123.57	127.87
31	127.87	132
32	132	136.03
33	136.03	140.15
34	140.15	145.39

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-330									
	10.07	13.5	NQ2	GRD	711.6	428.9	2.48	2.5	originally argillic granodiorite with intense oxidation overprint.
	30.56	9	NQ2	GRD	559.5	371.4	2.93	3.0	1 cm Quartz carbonate veins hosting blebby to disseminted pyrite, banded with smokey quartz veins. Has light oxidation overprint.
	77.41	14	NQ2	GRD	781.1	491.2	2.63	2.7	Massive quartz vein with chlorite-epidote-hematite alteration. Vein hosts blebby pyrite.
	109.84	15	NQ2	GRD	1095.7	799.6	3.44	3.7	Massive quartz-pyrite vein with a 5cm smoky quartz breccia along the upper selvedge. Smoky quartz hosts blebby chalcopyrite and pyrite.
	134.31	9	NQ2	GRD	484.8	302.6	2.54	2.7	3 cm quartz carbonate vein running parallel to core axis, hosting blebby pyrite.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.75	14.20	12.45	GRD	MG	Rubbly, fractured, strongly oxidized granodiorite with original patchy argillic alteration. Geothite on some fracture faces. Cut by few weathered veins. Locallized gouge development along faults.							
						MD	OR	RB	ARG	3I		
						MD	BN	PA	OXI	5I	Go	1
						LT	WH					
						DK	BK	FR				
14.20	29.57	15.37	GRD	MG	Alternating patches of propylitic, argillic, and rare phyllic vein envelope alterations. Cut by few quartz-carbonate veins. Oxidization is generally limited to fracture surfaces, but can be semi-pervasive near fault planes and in clay.							
						MD	GY	PA	PRO	2I		
						MD	BN		ARG	2I		
						LT	WH	FR	PHC	2I		
									OXI	3I		
29.57	33.34	3.77	GRD	MG	Strongly phyllic altered granodiorite cut by quartz-carbonate-pyrite veining hosting blebby pyrite. Oxide staining is semi-pervasive and stronger near veining.							
						MD	GN					
						MD	BN				Py	1
						LT	GN					
33.34	38.00	4.66	GRD	MG	Granodiorite with semi-pervasive oxide staining and patchy silicification, argillic, and propylitic alteration. Fractures are often coated with up to 1mm of bright oxide clay. A fault is present at 37 m, with gouge development and strong oxide staining.							
						MD	BN	FR	SIL	1I		
						MD	GY		ARG	2I		
						LT	BN		OXI	3I		
									CLY	2I		
38.00	67.83	29.83	GRD	MG	Fresh granodiorite with occasional oxide staining on fracture surfaces and rare quartz veining.							
						MD	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
67.83	79.90	12.07	GRD	MG	Argillic altered granodiorite cut by a gouged fault. Faulting introduced semi-pervasive oxide staining. Cut by occasional quartz-carbonate-pyrite veining with phyllic halos.							
						MD	BN		OXI	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		CLY	3I		
									PHC	2I		
79.90	83.28	3.38	GRD	MG	Fresh granodiorite.							
						MD	GY					
83.28	87.20	3.92	QFP	FG	Light-medium green quartz feldspar porphyry dyke with disseminated pyrite. Cut by quartz-carbonate-pyrite veinlets, with quartz and carbonate showing crustiform textures. Slight chilling and darkening of dyke at margins. Contacts are followed by pyrite stringers.							
						MD	GN					
						LT	GN	PO	HYD	3I	Py	1
87.20	95.80	8.60	GRD	MG	Weak-moderate propylitic altered granodiorite, with patchy argillic alteration. Cut by few quartz-pyrite veins.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		OXI	1I		
						LT	WH		ARG	2I		
95.80	97.25	1.45	QFP	FG	Core runs parallel to a contact between quartz feldspar porphyry dyke and granodiorite. Both units are cut by quartz-pyrite veining.							
						MD	GN	PO	HYD	3I	Py	1
									ARG	3I		
97.25	128.12	30.87	GRD	MG	Dominated by fresh granodiorite, but by rare quartz-pyrite veining with phyllic-argillic halos.							
						MD	GY	PA	PRO	2I	Py	0.1
						LT	PK					
						LT	GN		ARG	2I		
						LT	WH		PHC	2I		
128.12	133.02	4.90	GRD	MG	Phyllic and argillic halo contains quartz-carbonate-pyrite veins/veinlets. Patchy potassic overprint.							
						MD	GN		PHC	2I		
						LT	GN	PA	ARG	2I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PRO	2I		
						LT	WH		POT	1I		
133.02	135.07	2.05	GRD	MG	Stroshein zone consisting of several massive white quartz-pyrite veins with 1-2cm segments of banded quartz-carbonate. A 20 cm section of smoky quartz breccia is fractured and broken, with oxide coating fracture surfaces.							
						LT	GN	RB	OXI	2I		
						LT	BN	FR	PHC	4I	Py	5
						LT	GY					
135.07	138.34	3.27	GRD	MG	Phyllic and argillic outer Stroshein zone halo with quartz-carbonate-pyrite veining and fine disseminated pyrite in the groundmass.							
						LT	WH	PA	POT	1I	Py	2
						LT	PK		PHC	3I		
						LT	GN		ARG	2I		
138.34	145.39	7.05	GRD	MG	Fresh, fractured granodiorite.							
						MD	GY	FR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.75	29.57	27.82	GRD	MG	Granodiorite with patchy argillic and phyllic alteration. Recovery is intensely fractured for first 14m, with strong pervasive oxidization. More coherent patches show weak-moderate phyllic, argillic, or weak propylitic alteration. Oxide staining is limited to fracture faces, unless in a section of gouge/clay alteration. Patchy alteration is related to quartz-carbonate-pyrite veining.							
						MD	GY	MO	PHC	2I		
						MD	GN	FR	ARG	2I		
						LT	GN	RB	OXI	3I		
						LT	WH					
						MD	OR					
						MD	BN	PA	PRO	2I	Py	0.1
29.57	33.34	3.77	GRD	MG	Strongly phyllic altered granodiorite cut by quartz-carbonate-pyrite veining hosting blebby pyrite. Oxide staining is semi-pervasive and stronger near veining.							
						MD	GN					
						MD	BN				Py	1
						LT	GN					
33.34	38.00	4.66	GRD	MG	Granodiorite with semi-pervasive oxide staining and patchy silicification, argillic, and propylitic alteration. Fractures are often coated with up to 1mm of bright oxide clay. A fault is present at 37 m, with gouge development and strong oxide staining.							
									CLY	2I		
						MD	GY		ARG	2I		
						MD	BN	FR	SIL	1I		
						LT	BN		OXI	3I		
38.00	67.83	29.83	GRD	MG	Fresh granodiorite with occasional oxide staining on fracture surfaces and rare quartz veining.							
						MD	GY		OXI	2I		
67.83	79.90	12.07	GRD	MG	Argillic altered granodiorite cut by a gouged fault. Faulting introduced semi-pervasive oxide staining. Cut by occasional quartz-carbonate-pyrite veining with phyllic halos.							
						LT	GN		CLY	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	3I		
						MD	BN		OXI	3I		
									PHC	2I		
79.90	83.28	3.38	GRD	MG	Fresh granodiorite.							
						MD	GY					
83.28	87.20	3.92	QFP	FG	Light-medium green quartz feldspar porphyry dyke with disseminated pyrite. Cut by quartz-carbonate-pyrite veinlets, with quartz and carbonate showing crustiform textures. Slight chilling and darkening of dyke at margins. Contacts are followed by pyrite stringers.							
						LT	GN	PO	HYD	3I	Py	1
						MD	GN					
87.20	95.80	8.60	GRD	MG	Weak-moderate propylitic altered granodiorite, with patchy argillic alteration. Cut by few quartz-pyrite veins.							
						MD	GY	PA	PRO	2I	Py	0.1
						LT	WH		ARG	2I		
						MD	GN		OXI	1I		
95.80	97.25	1.45	QFP	FG	Core runs parallel to a contact between quartz feldspar porphyry dyke and granodiorite. Both units are cut by quartz-pyrite veining.							
						MD	GN	PO	HYD	3I	Py	1
									ARG	3I		
97.25	128.12	30.87	GRD	MG	Dominated by fresh granodiorite, but by rare quartz-pyrite veining with phyllic-argillic halos.							
						MD	GY	PA	PRO	2I	Py	0.1
						LT	PK					
						LT	GN		ARG	2I		
						LT	WH		PHC	2I		
128.12	138.34	10.22	GRD	MG	Phyllic and argillic altered granodiorite hosting the Stroshein zone. Phyllic and argillic halo contains quartz-carbonate-pyrite veins/veinlets.							
						MD	GN	PA	ARG	3I	Py	1
						LT	GN	FR	PHC	3I		
						LT	WH		OXI	2I		
						LT	PK		PRO	2I		
						LT	BN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
138.34	145.39	7.05	GRD	MG	Fresh, fractured granodiorite.							
						MD	GY	FR				

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.75	1.75	0	0	0.00	0	--	--	--	Cased
1.75	2.13	0.38	0.35	92	0.17	45	--	4H	3W	
2.13	5.18	3.05	0.34	11	0.00	0	--	2H	5W	
5.18	8.23	3.05	1.28	42	0.00	0	--	1H	5W	
8.23	11.28	3.05	2.27	74	0.87	29	--	2H	5W	
11.28	14.33	3.05	2.39	78	0.58	19	--	2H	5W	
14.33	17.37	3.04	3.04	100	1.72	57	--	3H	3W	
17.37	20.42	3.05	3.02	99	2.35	77	--	3H	3W	
20.42	23.47	3.05	3.05	100	1.96	64	--	4H	2W	
23.47	26.52	3.05	3.05	100	2.38	78	--	2H	3W	
26.52	29.57	3.05	3.04	100	1.75	57	--	2H	4W	
29.57	32.61	3.04	3.04	100	1.82	60	--	3H	2W	
32.61	35.66	3.05	3	98	1.83	60	--	3H	3W	
35.66	38.71	3.05	2.9	95	1.66	54	--	3H	3W	
38.71	41.76	3.05	3.05	100	2.87	94	--	4H	2W	
41.76	44.81	3.05	3.02	99	2.12	70	--	4H	2W	
44.81	47.85	3.04	3.04	100	2.14	70	--	4H	1W	
47.85	50.90	3.05	3.05	100	2.08	68	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.36	77	--	4H	1W	
53.95	57.00	3.05	3.05	100	2.63	86	--	4H	1W	
57.00	60.05	3.05	2.72	89	0.80	26	--	2H	4W	Oxidized gouge layer.
60.05	63.09	3.04	3.03	100	2.19	72	--	4H	2W	
63.09	66.14	3.05	3.05	100	2.21	72	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.70	89	--	3H	2W	
69.19	72.24	3.05	2.71	89	0.35	11	--	2H	4W	
72.24	75.29	3.05	3.05	100	1.74	57	--	3H	2W	
75.29	78.33	3.04	3.01	99	1.68	55	--	3H	2W	
78.33	81.38	3.05	3.03	99	1.60	52	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.34	77	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.04	100	2.60	85	--	4H	1W	
87.48	90.53	3.05	3.03	99	2.66	87	--	4H	1W	
90.53	93.57	3.04	3.01	99	1.39	46	--	3H	2W	
93.57	96.62	3.05	3.05	100	2.56	84	--	4H	1W	
96.62	99.67	3.05	3.02	99	2.09	69	--	3H	2W	
99.67	102.72	3.05	3.05	100	2.52	83	--	4H	2W	
102.72	105.77	3.05	3.05	100	2.35	77	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.64	87	--	4H	1W	
108.81	111.86	3.05	3	98	1.56	51	--	2H	1W	
111.86	114.91	3.05	3.04	100	1.02	33	--	3H	1W	
114.91	117.96	3.05	3.05	100	1.54	50	--	4H	1W	
117.96	121.01	3.05	3.04	100	2.91	95	--	5H	1W	
121.01	124.05	3.04	3.03	100	2.95	97	--	4H	1W	
124.05	127.10	3.05	3.03	99	2.24	73	--	5H	1W	
127.10	130.15	3.05	3	98	1.89	62	--	4H	1W	
130.15	133.20	3.05	3.01	99	1.78	58	--	4H	1W	
133.20	136.25	3.05	3.03	99	1.51	50	--	3H	1W	
136.25	139.29	3.04	3.01	99	2.08	68	--	3H	1W	
139.29	142.34	3.05	3.02	99	1.38	45	--	3H	1W	
142.34	145.39	3.05	1.13	37	0.71	23	--	3H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	cased
2	20.1	GRD	
3	0	GRD	Too weathered
4	0	GRD	Too weathered
5	0.109	GRD	
6	0	GRD	Too weathered
7	0	GRD	Too weathered
8	0	GRD	Too weathered
9	0.401	GRD	
10	0.268	GRD	
11	1.59	GRD	
12	0.473	GRD	
13	0.218	GRD	
14	20.8	GRD	
15	7.2	GRD	
16	4.32	GRD	
17	0.775	GRD	
18	2.04	GRD	
19	7.23	GRD	
20	7.31	GRD	
21	0.193	GRD	
22	1.24	GRD	
23	22.4	GRD	
24	30.1	GRD	
25	0.577	GRD	
26	0.191	GRD	
27	0.212	GRD	
28	0.164	GRD	
29	0.511	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.253	GRD	
31	0.187	GRD	
32	0.194	GRD	
33	0.238	GRD	
34	0.371	GRD	
35	0.464	GRD	
36	3.36	GRD	
37	0.283	GRD	
38	9.88	GRD	
38	9.88	GRD	
39	15.7	GRD	
40	0.511	GRD	
41	26.4	GRD	
42	21.6	GRD	
43	0.43	GRD	
44	0.957	GRD	
45	20.6	GRD	
46	22.5	GRD	
47	5.2	GRD	
48	0.891	GRD	
49	0.265	GRD	
50	0.293	GRD	
51	0.225	GRD	
52	0.174	GRD	
53	0.269	GRD	
54	0.255	GRD	
55	0.204	GRD	
56	0.296	GRD	
57	0.189	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	2.04	GRD	
59	0.191	GRD	
60	0.402	GRD	
61	22.9	GRD	
62	0.366	GRD	
62	10.6	GRD	
63	0.812	GRD	
63	0.605	GRD	
64	16	GRD	
64	18.2	GRD	
65	19.6	GRD	
65	20.2	GRD	
66	4.61	GRD	
66	3.14	GRD	
67	3.85	GRD	
68	0.375	GRD	
69	0.307	GRD	
70	0.213	GRD	
71	0.327	GRD	
72	0.358	GRD	
73	0.345	GRD	
74	0.219	GRD	
75	0.24	GRD	
76	0.138	GRD	
77	0.392	GRD	
78	0.713	GRD	
79	0.377	GRD	
80	2.26	GRD	
81	1.15	GRD	
82	3.25	GRD	
83	0.277	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
84	0.432	QFP	
85	0.386	QFP	
86	0.338	QFP	
87	0.69	QFP	
88	0.474	GRD	
89	7.34	GRD	
90	0.399	GRD	
91	0.221	GRD	
92	3.32	GRD	
93	20.1	GRD	
94	0.737	GRD	
95	0.434	GRD	
96	0.207	QFP	
97	0.266	QFP	
98	0.491	GRD	
99	0.158	GRD	
100	0.826	GRD	
101	0.468	GRD	
102	28.1	GRD	
103	27.5	GRD	
104	28	GRD	
105	12.1	GRD	
106	13.7	GRD	
107	2.74	GRD	
108	15.9	GRD	
109	12	GRD	
110	0.123	GRD	
111	0.434	GRD	
112	18	GRD	
113	21.9	GRD	
114	21.8	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
115	23.6	GRD	
116	8.2	GRD	
117	33.4	GRD	
118	23.1	GRD	
119	22.5	GRD	
120	1.98	GRD	
121	31.12	GRD	
122	1.25	GRD	
123	11.8	GRD	
124	27.6	GRD	
125	23.4	GRD	
126	0.32	GRD	
127	0.422	GRD	
128	0.625	GRD	
129	3.77	GRD	
130	12.6	GRD	
131	0.185	GRD	
132	0.173	GRD	
133	0.572	GRD	
134	0.192	GRD	
135	0.199	GRD	
136	0.8	GRD	
137	0.26	GRD	
138	0.387	GRD	
139	3.13	GRD	
140	0.42	GRD	
141	0.644	GRD	
142	10.3	GRD	
143	1.36	GRD	
144	12	GRD	
145	14.4	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614750	☐	16-088			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614806	☐	16-088		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614815	☐	16-091		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614831	☐	16-091			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614745	☐	16-088			☑	☐	☐
5.75	8.51	2.76	GRD	1.24	45	R614743	☐	16-088			☐	☐	☐
8.51	11.00	2.49	GRD	1.89	76	R614744	☐	16-088			☐	☐	☐
25.68	28.42	2.74	GRD	2.38	87	R614746	☐	16-088			☐	☐	☐
28.42	29.61	1.19	GRD	1.19	100	R614747	☐	16-088			☐	☐	☐
29.61	30.48	0.87	GRD	0.87	100	R614748	☐	16-088			☐	☐	☐
30.48	31.51	1.03	GRD	1.03	100	R614749	☐	16-088			☐	☐	☐
31.51	32.27	0.76	GRD	0.73	96	R614801	☐	16-088			☐	☐	☐
32.27	33.34	1.07	GRD	1.07	100	R614802	☐	16-088			☐	☐	☐
33.34	36.29	2.95	GRD, GRD	2.89	98	R614803	☐	16-088			☐	☐	☐
36.29	37.86	1.57	GRD	1.19	76	R614804	☐	16-088			☐	☐	☐
54.80	57.26	2.46	GRD	2.44	99	R614805	☐	16-088			☐	☐	☐
57.26	59.01	1.75	GRD	1.33	76	R614807	☐	16-088			☐	☐	☐
67.83	69.19	1.36	GRD, GRD	1.36	100	R614808	☐	16-088			☐	☐	☐
69.19	70.20	1.01	GRD	1.01	100	R614809	☐	16-088			☐	☐	☐
70.20	72.67	2.47	GRD	2.03	82	R614810	☐	16-088			☐	☐	☐
72.67	74.82	2.15	GRD	2.10	98	R614811	☐	16-088			☐	☐	☐
74.82	77.24	2.42	GRD	1.42	59	R614812	☐	16-088			☐	☐	☐
77.24	78.93	1.69	GRD	1.67	99	R614813	☐	16-091			☐	☐	☐
78.93	80.95	2.02	GRD	2.02	100	R614814	☐	16-091			☐	☐	☐
80.95	83.80	2.85	GRD	2.22	78	R614816	☐	16-091			☐	☐	☐
83.80	85.64	1.84	QFP	1.84	100	R614817	☐	16-091			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
85.64	87.20	1.56	QFP	1.48	95	R614818	☐	16-091			☐	☐	☐
85.64	87.20	1.56	QFP	1.48	95	R614819	☐	16-091			☐	☑	☐
87.20	88.39	1.19	QFP, GRD	1.15	97	R614820	☐	16-091			☐	☐	☐
94.74	95.80	1.06	GRD	1.06	100	R614821	☐	16-091			☐	☐	☐
95.80	97.25	1.45	GRD, QFP	1.45	100	R614822	☐	16-091			☐	☐	☐
97.25	98.51	1.26	QFP, GRD	1.26	100	R614823	☐	16-091			☐	☐	☐
98.51	100.95	2.44	GRD	2.27	93	R614824	☐	16-091			☐	☐	☐
98.51	100.95	2.44	GRD	2.27	93	R614825	☐	16-091			☐	☐	☑
108.81	109.72	0.91	GRD	0.91	100	R614826	☐	16-091			☐	☐	☐
109.72	110.07	0.35	GRD	0.35	100	R614827	☐	16-091			☐	☐	☐
110.07	111.40	1.33	GRD	1.04	78	R614828	☐	16-091			☐	☐	☐
127.10	128.12	1.02	GRD	0.98	96	R614829	☐	16-091			☐	☐	☐
128.12	129.20	1.08	GRD, GRD	1.04	96	R614830	☐	16-091			☐	☐	☐
129.20	132.00	2.80	GRD	2.45	88	R614832	☐	16-091			☐	☐	☐
132.00	133.02	1.02	GRD	0.90	88	R614833	☐	16-091			☐	☐	☐
133.02	134.26	1.24	GRD	0.95	77	K292798	☐	16-060	HG		☐	☐	☐
133.02	134.26	1.24	GRD	0.95	77	K292799	☐	16-060	HG		☐	☐	☑
134.26	135.07	0.81	GRD	0.74	91	K292800	☐	16-060	HG		☐	☐	☐
135.07	135.75	0.68	GRD	0.68	100	R614834	☐	16-091			☐	☐	☐
135.75	138.03	2.28	GRD	2.15	94	R614835	☐	16-091			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	5.75			☐	☐	☐	☐	
16-088	R614745	0.00	0.00	0.00	110	☐	☐	☑	☐	
16-088	R614750	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-088	R614806	0.00	0.00	4.49	180	☐	☐	☐	☑ KL-STD1	
16-091	R614815	0.00	0.00	4.39	290	☐	☐	☐	☑ KL-STD1	
16-091	R614831	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-088	R614743	5.75	8.51	0.29	1140	☐	☐	☐	☐	
16-088	R614744	8.51	11.00	0.09	1380	☐	☐	☐	☐	
		11.00	25.68			☐	☐	☐	☐	
16-088	R614746	25.68	28.42	0.11	1280	☐	☐	☐	☐	
16-088	R614747	28.42	29.61	0.01	2990	☐	☐	☐	☐	
16-088	R614748	29.61	30.48	0.05	1470	☐	☐	☐	☐	
16-088	R614749	30.48	31.51	0.53	570	☐	☐	☐	☐	
16-088	R614801	31.51	32.27	0.17	2780	☐	☐	☐	☐	
16-088	R614802	32.27	33.34	0.68	760	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-088	R614803	33.34	36.29	0.04	2400	☐	☐	☐	☐	
16-088	R614804	36.29	37.86	0.14	1780	☐	☐	☐	☐	
		37.86	54.80			☐	☐	☐	☐	
16-088	R614805	54.80	57.26	0.19	410	☐	☐	☐	☐	
16-088	R614807	57.26	59.01	0.12	2340	☐	☐	☐	☐	
		59.01	67.83			☐	☐	☐	☐	
16-088	R614808	67.83	69.19	0.04	1750	☐	☐	☐	☐	
16-088	R614809	69.19	70.20	0.19	600	☐	☐	☐	☐	
16-088	R614810	70.20	72.67	0.34	1340	☐	☐	☐	☐	
16-088	R614811	72.67	74.82	0.04	2500	☐	☐	☐	☐	
16-088	R614812	74.82	77.24	0.20	1840	☐	☐	☐	☐	
16-091	R614813	77.24	78.93	1.46	620	☐	☐	☐	☐	
16-091	R614814	78.93	80.95	0.15	2120	☐	☐	☐	☐	
16-091	R614816	80.95	83.80	0.06	2060	☐	☐	☐	☐	
16-091	R614817	83.80	85.64	0.20	1230	☐	☐	☐	☐	
16-091	R614818	85.64	87.20	0.08	740	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-091	R614819	85.64	87.20	0.09	770	☑	☐	☐	☐	
16-091	R614820	87.20	88.39	0.05	1980	☐	☐	☐	☐	
		88.39	94.74			☐	☐	☐	☐	
16-091	R614821	94.74	95.80	0.06	2170	☐	☐	☐	☐	
16-091	R614822	95.80	97.25	0.05	1490	☐	☐	☐	☐	
16-091	R614823	97.25	98.51	0.27	1650	☐	☐	☐	☐	
16-091	R614824	98.51	100.95	0.32	1500	☐	☐	☐	☐	
16-091	R614825	98.51	100.95	0.30	1460	☐	☑	☐	☐	
		######	######			☐	☐	☐	☐	
16-091	R614826	108.81	109.72	0.08	1870	☐	☐	☐	☐	
16-091	R614827	109.72	110.07	1.23	170	☐	☐	☐	☐	
16-091	R614828	110.07	111.40	0.05	1370	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-091	R614829	127.10	128.12	0.08	640	☐	☐	☐	☐	
16-091	R614830	128.12	129.20	0.26	680	☐	☐	☐	☐	
16-091	R614832	129.20	132.00	0.06	1470	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-091	R614833	132.00	133.02	0.02	2320	☐	☐	☐	☐	
16-060	K292798	133.02	134.26	0.11	380	☐	☐	☐	☐	
16-060	K292799	133.02	134.26	0.11	420	☐	☑	☐	☐	
16-060	K292800	134.26	135.07	0.21	130	☐	☐	☐	☐	
16-091	R614834	135.07	135.75	0.53	2020	☐	☐	☐	☐	
16-091	R614835	135.75	138.03	0.03	910	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
5.75	9.15	FT	42	-	NUL	1	Wide, rubbly, fractured, strongly oxidized fault with clay gouge and goethite. There is evidence of crumbled relict quartz veining.			
								Go	1	MA
11.60	11.83	FT	42	-	NUL	1	Strongly oxidized, fractured, rubbly fault.			
25.66	26.19	FT	42	70	NUL	2	Strongly oxidized, gouged faults.			
26.94	30.97	VN	37	80	NUL	5	Several white-cream quartz-carbonate-pyrite veins with crustiform textures in quartz-carbonate.			
								Py	1	BL
31.38	31.51	VN	37	60	NUL	1	Grey-smoky quartz vein hosting fine blebby pyrite.			
								Py	2	BL
33.03	33.17	VN	37	85	NUL	1	Irregularly banded white quartz-carbonate-pyrite vein with gouge.			
								Py	1	BL
36.80	36.52	FT	42	-	NUL	1	Gouged, strong pervasively oxide stained fault.			
54.85	54.88	VN	37	70	NUL	1	Banded white calcite-smokey quartz vein with fine blebby pyrite.			
								Py	1	BL
55.32	56.96	VN	37	60	NUL	7	White quartz-pyrite veins.			
								Py	2	BL
69.23	69.96	BX	34	70	NUL	1	Smoky quartz breccia hosting blebby-disseminated pyrite, both in clasts and in matrix. Clasts are angular quartz-pyrite veins and phyllic granodiorite.			
								Py	5	BL
76.05	76.14	VN	37	50	NUL	1	Irregularly banded quartz-carbonate vein with blebby pyrite and pervasive oxide staining.			
								Py	1	BL
77.35	77.54	VN	37	35	NUL	1	Massive quartz vein with chlorite-epidote-hematite alteration. Vein hosts blebby pyrite.			
								Ch	0.5	IN
								Py	1	BL
								He	0.5	IN

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
78.39	78.78	VN	37	45	NUL	3	White massive quartz veins with blebby-banded pyrite.			
								Py	2	BL
83.28	85.64	VT	37	50	NUL	15	Quartz-carbonate-pyrite veinlets in quartz feldspar porphyry dyke.			
								Py	1	BL
99.07	99.17	VB	37	65	NUL	1	Banded smokey quartz-carbonate vein brecciated by white quartz-carbonate vein. Smoky quartz hosts blebby pyrite, galena, and chalcopyrite. White quartz-carbonate seems to host only pyrite.			
109.72	110.07	VN	37	60	NUL	1	Massive quartz-pyrite-chalcopyrite vein with a 5cm smoky quartz breccia along the upper selvedge. Smoky quartz hosts blebby blackjack sphalerite, pyrite, and galena.			
								Cp	1	BL
								Py	30	MA
								Gn	1	BL
								Sp	2	BL
115.65	117.09	DY	37	45	NUL	2	Pink aplite dykes.			
128.12	129.19	VN	37	5	NUL	1	A single, low angle, white, massive quartz vein with massive-blebby pyrite.			
								Py	1	MA
								Py	5	BL
133.02	135.07	VN	37	50	NUL	5	Stroshein zone consisting of several massive white quartz-pyrite veins with 1-2cm segments of banded quartz-carbonate. A 20 cm section of smoky quartz breccia is fractured and broken, with oxide coating fracture surfaces. Trace blebby blackjack sphalerite.			
								Sp	0.5	BL
								Py	3	BL
								Py	3	MA
136.48	137.88	VN	37	65	NUL	6	White massive quartz-pyrite veins.			
								Py	5	MA

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383069	6889697	1406.26	233.78

ZONE: Central Klaza

SECTION:

HOLE: KL-16-331

CLAIM: Klaza 20

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth:

Drilling Dates: Jul 30 - Jul 31, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
20.42	36.9	-48.5	Reflex
233.78	40.2	-47.3	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2	2	CAS
2	3.15	1.15	OVB
3.15	33.02	29.87	GRD
33.02	36.72	3.7	QFP
36.72	57	20.28	GRD
57	65.55	8.55	GRD
65.55	81.41	15.86	QFP
81.41	94.78	13.37	GRD
94.78	97.48	2.7	VEN
97.48	110.1	12.62	GRD
110.1	149.07	38.97	GRD
149.07	149.51	0.44	SIL
149.51	156.87	7.36	GRD
156.87	158.72	1.85	QFP
158.72	180.49	21.77	GRD
180.49	193.47	12.98	GRD

SAMPLES	
Numbers:	K292806 to K292812, R615882 to R616015
Total:	141
Batch:	092, 094, 096, 099, 100, 101
Certificates:	VA16127985, VA16127986, VA16127989, VA16127990, VA16129499, VA16129513

COMMENTS

193.47	209.36	15.89	GRD
209.36	218.47	9.11	GRD
218.47	233.78	15.31	GRD

Box Log

KL-16-331

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2	7
2	7	11.28
3	11.28	15.22
4	15.22	19.11
5	19.11	23.25
6	23.25	27.4
7	27.4	31.51
8	31.51	35.73
9	35.73	39.87
10	39.87	44.23
11	44.23	48.19
12	48.19	52.3
13	52.3	56.78
14	56.78	60.5
15	60.5	64.4
16	64.4	68.17
17	68.17	72.19
18	72.19	76.14
19	76.14	80.34
20	80.34	84.47
21	84.47	88.5
22	88.5	92.45
23	92.45	96.66
24	96.66	100.62
25	100.62	104.65
26	104.65	108.69
27	108.69	112.7
28	112.7	117.12
29	117.12	121.37
30	121.37	125.8
31	125.8	130.05
32	130.05	134.5
33	134.5	138.46
34	138.46	142.57
35	142.57	146.82
36	146.82	150.95
37	150.95	154.93
38	154.93	158.88
39	158.88	163.01
40	163.01	166.96
41	166.96	171.22
42	171.22	175.49
43	175.49	179.5
44	179.5	183.75
45	183.75	188.06
46	188.06	192.09
47	192.09	196.44
48	196.44	200.45
49	200.45	204.64
50	204.64	208.88
51	208.88	212.97
52	212.97	217.21
53	217.21	221.39
54	221.39	225.72
55	225.72	230.12
56	230.12	233.78

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-331									
	31.34	17	NQ2	GRD	973	628.3	2.7	2.8	Phyllic propylityic alterted granodiorite with quartz carbonate veinlets hosting pyrite.
	59.09	17	NQ2	GRD	992.4	663.6	2.75	3.0	Propylitic/phyllic altered granodiorite with quartz flooding and patchy oxidation. Hosts disseminated pyrite throughout.
	88.98	12	NQ2	GRD	617.7	383.4	2.42	2.6	Smokey quartz carbonate vein with minor dyke brecciation.
	97.08	17	NQ2	VEN	1142.3	768.3	3.16	3.1	
	140.92	14	NQ2	GRD	746.6	483.7	2.51	2.8	8.5cm quartz/smokey quartz/carbonte vein found within argillic/phyllic granodiorite hosting disseminated to blebby pyrite, sphalerite, and disseminated galena. Carbonate within vein displays net texture. Vein has a quartz vein eminating from it at 30* hosting disseminated pyrite along its upper selvedge, and a carbonate vein at 80* along its lower selvedge.
	152.59	18.5	NQ2	GRD	973.6	620.4	2.48	2.8	Quartz carbonate vein in phyllic argillic altered granodiorite. Vein has net texture.
	197.63	18	NQ2	GRD	1011.3	650.9	2.65	2.8	Quartz flooded propylitic granodiorite with carbonate.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	205.7	20.5	NQ2	GRD	1287.6	877.6	2.96	3.1	Brecciated quartz carbonate vein hosting blebby to massive sphalerite and pyrite, with blebby galena.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.00	3.15	1.15	OVB	MG	Organic overburden and oxidized granodiorite.							
						MD	BR					
						LT	BR					
3.15	33.02	29.87	GRD	MG	Fractured unaltered to argillic granodiorite with patchy moderate oxidation throughout. Argillic alteration carries phyllic overprinted halos sporadically throughout. Interval is fractured throughout.							
						MD	WH		ARG	3I		
						LT	BR	PA	PHC	2I		
						LT	GN	FR	ARG	2I		
									OXI	2I		
									OXI	3I		
33.02	35.42	2.40	QFP	FG	Light to medium brown quartz feldspar porphyry dyke with fractured patches. Interval intrudes into argillic/phyllic granodiorite along its lower selvedge. Oxidation present along joints and fracture planes.							
						MD	BR	FR				
						LT	BR	PO	OXI	2I		
36.72	57.00	20.28	GRD	MG	Weak to moderate argillic altered granodiorite with alternating patchy phyllic and potassic alteration throughout. Interval is moderately fractured,, with a small gouge altered zone of alteration hosting sulfide. Oxidation present in fractures throughout.							
						MD	WH		PHC	2I		
						MD	PK		OXI	2I		
						LT	GN	PA	ARG	2I	Py	1
						LT	WH	FR	ARG	3I		
						LT	PK		POT	2I		
57.00	65.55	8.55	GRD	MG	Weak to moderate argillic altered granodiorite with patchy propylitic and phyllic overprinting. Argillic granodiorite is moderately oxidized throughout. Oxidized argillic/propylitic altered granodiorite continues until it transitions to a zone of brecciated granodiorite found along the upper contact of a medium brown quartz feldspar porphyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PRO	2I	As	1
						LT	GN	PA	PHC	2I	Py	1
						LT	OR	BX	OXI	2I	Sp	1
						LT	BL		ARG	2I		
									ARG	3I		
65.55	81.41	15.86	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning to medium brown dyke with numerous carbonate stringers throughout. Brown dyke displays a patches of light brown quartz feldspar porphyry dyke, eventually solely becoming grey dyke. This dyke finally transitions into a medium grey colour with prominent carbonate veinlets throughout both.							
						MD	GY					
						MD	BR					
						LT	BR	PO				
						LT	GY					
94.78	94.95	0.17	VEN	MG	Strong phyllic altered granodiorite with patches of moderate to strong phyllic overprinting argillic granodiorite. Interval carries numerous quartz, quartz carbonate, and carbonate veins throughout that are nearly continuous, separated only by small intervals of phyllic or argillic/phyllic granodiorite. Vein zone hosts disseminated to blebby pyrite, arsenopyirte, and disseminated sphalerite.Vein zone displays sporadiec brecciation by both carbonate veining and smokey quartz.							
						MD	GN	BX	PHC	4I	Py	1
						MD	BL		ARG	2I	As	1
						LT	GN	PA	PHC	3I	Py	1
						DK	GY		ARG	3I	As	1
									PHC	5I	Sp	1
94.95	95.12	0.17	GRD	MG	Gouged interval of strongly phyllic altered granodiorite found within smokey quartz berccias and veins.							
						MD	GN		PHC	4I		
						LT	GN	FR	PHC	3I		
97.48	104.78	7.30	GRD	MG	Moderate argillic granodiorite with weak phyllic overprinting alternating with weak to moderately phyllic altered granodiorite. Patchy argillic altereration with weak mottled potassic alteration is present sporadically throughout. Phyllic altered zones host sulfide mineralized veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		POT	2I	As	1
						MD	WH		ARG	2I	As	1
						LT	WH	PA	PHC	2I	Py	1
						LT	GN		PHC	3I	Py	1
						LT	PK		ARG	3I		
104.78	105.23	0.45	VEN	MG	Zone of quartz/smokey quartz veins found within argillic/phyllic granodiorite hosting blebby to disseminated pyrite and arsenopyite.							
						MD	GN		ARG	2I	Py	2
						LT	GN		PHC	3I	Py	5
											As	2
											As	3
110.10	149.07	38.97	GRD	MG	Alternating patches of argillic altered granodiorite with phyllic and potassic overprinting, phyllic alteration, and unaltered granodiorite. Interval contains sporadic quartz and quartz carbonate veins throughout, with occasional sulfide mineralization. Interval is competent throughout.							
						MD	GN		PHC	3I	Py	1
						MD	WH		ARG	2I	As	1
						LT	GN	PA	PHC	2I	Py	1
						LT	PK		POT	2I	As	1
											Sp	1
											Gn	1
149.07	149.51	0.44	SIL	FG	Light to medium very fine grained siliceous dyke beating a rhodochrosite vein. Blebby pyrite found distal to vein.							
						MD	GN					
						LT	GN	PO			Py	9
149.51	156.87	7.36	GRD	MG	Moderate to strong phyllic to argillic/phyllic altered granodiorite with weak patches of argillic alteration. Quartz carbonate veins found throughout. Disseminated pyrite found throughout.							
						MD	WH		ARG	2I	Sp	1
						MD	GN		PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1
157.26	157.29	0.03	BXA	FG	Small 3cm quartz vein brecciating clasts of dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
								BX				
158.72	180.49	21.77	GRD	MG	Alternating patches of argillic altered granodiorite with phyllic and potassic overprinting, phyllic alteration, and unaltered granodiorite. Interval contains sporadic quartz and quartz carbonate veins throughout, with occasional sulfide mineralization. Interval is competent throughout.							
						MD	GN		POT	2I	Py	1
						LT	GN	PA	ARG	2I	Py	1
						LT	WH		PHC	2I	Sp	1
						LT	PK		PHC	3I		
180.49	193.47	12.98	GRD	MG	Unaltered granodiorite with weak patchy argillic and propylitic altered granodiorite. Small propylitic/phyllic altered halos found within.							
						MD	GN		ARG	2I		
						LT	GN	PA	PRO	2I		
						LT	PK	FR	POT	2I		
193.47	209.36	15.89	GRD	MG	Phyllic altered granodiorite with patchy propylitic alteration in patches throughout. Zones of fractured and gouged granodiorite present throughout. Multiple vein zones are present.							
						MD	GN	FR	PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1
									PRO	2I	Sp	1
											Gn	1
											Sp	1
											Cp	1
209.36	218.47	9.11	GRD	MG	Weak to slightly strong argillic altered granodiorite displaying patchy moderate to strong potassic and trace to weak phyllic/propylitic overprinting.							
						MD	WH	FR	ARG	3I		
						MD	PK		POT	4I		
						MD	GN		POT	2I		
						LT	WH	PA	ARG	2I		
						LT	GN		PHC	1I		
						LT	PK		ARG	4I		
						DK	PK		POT	3I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
218.47	222.51	4.04	GRD	MG	Moderate to strong phyllic/propylitic altered granodiorite with patches of argillic alteration. Argillic altered granodiorite displays weak phyllic to moderate potassic overprinting. Interval ends as unaltered granodiorite. Interval contains veins within phyllic altered granodiorite.							
						MD	PK		POT	2I	Gn	1
						MD	GN		PHC	2I	Sp	1
						LT	PK		ARG	3I	Py	1
						LT	GN		POT	3I	Sp	1
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.00	3.15	1.15	OVB	MG	Organic overburden and oxidized granodiorite.							
						MD	BR					
						LT	BR					
3.15	33.02	29.87	GRD	MG	Fractured unaltered to argillic granodiorite with patchy moderate oxidation throughout. Argillic alteration carries phyllic overprinted halos sporadically throughout. Interval is fractured throughout.							
						LT	BR	PA	PHC	2I		
						LT	GN	FR	ARG	2I		
						MD	WH		ARG	3I		
									OXI	2I		
									OXI	3I		
33.02	36.72	3.70	QFP	FG	Light to medium brown quartz feldspar porphyry dyke with fractured patches. Interval intrudes into argillic/phyllic granodiorite along its lower selvedge. Oxidation present along joints and fracture planes. Small patch of argillic/phyllic granodiorite interrupts brown dyke for ~50cm. Granodiorite displays oxidization along dyke contacts.							
						MD	BR	FR				
						LT	BR	PO	OXI	2I		
36.72	57.00	20.28	GRD	MG	Weak to moderate argillic altered granodiorite with alternating patchy phyllic and potassic alteration throughout. Interval is moderately fractured,, with a small gouge altered zone of alteration hosting sulfide. Oxidation present in fractures throughout.							
						MD	PK		OXI	2I		
						LT	PK		POT	2I		
						MD	WH		PHC	2I		
						LT	GN	PA	ARG	2I	Py	1
						LT	WH	FR	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.00	65.55	8.55	GRD	MG	Weak to moderate argillic altered granodiorite with patchy propylitic and phyllic overprinting. Argillic granodiorite is moderately oxidized throughout. Oxidized argillic/propylitic altered granodiorite continues until it transitions to a zone of brecciated granodiorite found along the upper contact of a medium brown quartz feldspar porphyry dyke.				ARG	3I		
						LT	OR	BX	OXI	2I	Sp	1
						MD	GN	FR	PRO	2I	As	1
						LT	BL		ARG	2I		
						LT	GN	PA	PHC	2I	Py	1
65.55	81.41	15.86	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning to medium brown dyke with numerous carbonate stringers throughout. Brown dyke displays a patches of light brown quartz feldspar porphyry dyke, eventually solely becoming grey dyke. This dyke finally transitions into a medium grey colour with prominent carbonate veinlets throughout both. Oxidation present along fractures and joints throughout.							
						MD	GY					
						LT	BR	PO				
						MD	BR					
						LT	GY					
81.41	94.78	13.37	GRD	MG	Propylitic altered granodiorite alternating with argillic and propylitic granodiorite. Argillic granodiorite displays patches of weak phyllic and potassic overprinting. Upper zone of interval contains a zone of phyllic to propylitic granodiorite with patchy gouge alteration found along the lower contact of a quartz feldspar dyke (brecciation occurring in close proximity to contact)							
									ARG	3I		
						LT	PK		ARG	2I		
						LT	WH		PRO	3I		
						MD	GN	FR	PRO	2I		
						LT	GN	PA	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.78	97.48	2.70	VEN	MG	Strong phyllic altered granodiorite with patches of moderate to strong phyllic overprinting argillic granodiorite. Interval carries numerous quartz, quartz carbonate, and carbonate veins throughout that are nearly continuous, separated only by small intervals of phyllic or argillic/phyllic granodiorite. Vein zone hosts disseminated to blebby pyrite, arsenopyirte, and disseminated sphalerite.Vein zone displays sporadiec brecciation by both carbonate veining and smokey quartz.							
									PHC	5I	Sp	1
						MD	GN	BX	PHC	4I	Py	1
						LT	GN	PA	PHC	3I	Py	1
						DK	GY		ARG	3I	As	1
						MD	BL		ARG	2I	As	1
97.48	110.10	12.62	GRD	MG	Moderate argillic granodiorite with weak phyllic overprinting alternating with weak to moderately phyllic altered granodiorite. Patchy argillic altereration with weak mottled potassic alteration is present sporadically throughout. Phyllic altered zones host sulfide mineralized veins.							
						LT	GN		PHC	3I	Py	1
						LT	PK		ARG	3I		
						MD	WH		ARG	2I	As	1
						MD	WH		POT	2I	As	1
						LT	WH	PA	PHC	2I	Py	1
110.10	149.07	38.97	GRD	MG	Alternating patches of argillic altered granodiorite with phyllic and potassic overprinting, phyllic alteration, and unaltered granodiorite. Interval contains sporadic quartz and quartz carbonate veins throughout, with occasional sulfide mineralization. Interval is competent throughout.							
											Gn	1
						LT	GN	PA	PHC	2I	Py	1
						MD	GN		PHC	3I	Py	1
						MD	WH		ARG	2I	As	1
						LT	PK		POT	2I	As	1
											Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.07	149.51	0.44	SIL	FG	Light to medium very fine grained siliceous dyke beating a rhodochrosite vein. Blebby pyrite found distal to vein.							
						MD	GN					
						LT	GN	PO			Py	9
149.51	156.87	7.36	GRD	MG	Moderate to strong phyllic to argillic/phyllic altered granodiorite with weak patches of argillic alteration. Quartz carbonate veins found throughout. Disseminated pyrite found throughout.							
						MD	WH		ARG	2I	Sp	1
						MD	GN		PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1
156.87	158.72	1.85	QFP	FG	Siliceous light brown quartz feldspar porphyry dyke. Quartz and carbonate veins and veinlets prominent throughout. Both upper and lower contacts display dyke/granodiorite mixed brecciation.							
						LT	BR	PO				
158.72	180.49	21.77	GRD	MG	Alternating patches of argillic altered granodiorite with phyllic and potassic overprinting, phyllic alteration, and unaltered granodiorite. Interval contains sporadic quartz and quartz carbonate veins throughout, with occasional sulfide mineralization. Interval is competent throughout.							
						LT	WH		PHC	2I	Sp	1
						LT	GN	PA	ARG	2I	Py	1
						LT	PK		PHC	3I		
						MD	GN		POT	2I	Py	1
180.49	193.47	12.98	GRD	MG	Unaltered granodiorite with weak patchy argillic and propylitic altered granodiorite. Small propylitic/phyllic altered halos found within.							
						LT	GN	PA	PRO	2I		
						LT	PK	FR	POT	2I		
						MD	GN		ARG	2I		
193.47	209.36	15.89	GRD	MG	Phyllic altered granodiorite with patchy propylitic alteration in patches throughout. Zones of fractured and gouged granodiorite present throughout. Multiple vein zones are present.							
									PRO	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PHC	3I	Py	1
											Cp	1
											Sp	1
											Gn	1
209.36	218.47	9.11	GRD	MG	Weak to slightly strong argillic altered granodiorite displaying patchy moderate to strong potassic and trace to weak phyllic/propylitic overprinting.							
						DK	PK		POT	3I		
						LT	WH	PA	ARG	2I		
						LT	PK		ARG	4I		
						MD	PK		POT	4I		
						MD	GN		POT	2I		
						LT	GN		PHC	1I		
									PRO	3I		
						MD	WH	FR	ARG	3I		
218.47	233.78	15.31	GRD	MG	Moderate to strong phyllic/propylitic altered granodiorite with patches of argillic alteration. Argillic altered granodiorite displays weak phyllic to moderate potassic overprinting. Interval ends as unaltered granodiorite. Interval contains veins within phyllic altered granodiorite.							
						LT	PK		ARG	3I	Py	1
						MD	PK		POT	2I	Gn	1
						LT	GN		POT	3I	Sp	1
									PRO	3I		
						MD	GN		PHC	2I	Sp	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.00	2.00	0	0	0.00	0	--	--	--	Cased
2.00	2.13	0.13	0.1	77	0.00	0	--	3H	4W	
2.13	5.18	3.05	1.86	61	0.10	3	--	2H	4W	
5.18	8.23	3.05	2.82	92	0.37	12	--	2H	3W	
8.23	11.28	3.05	2.84	93	1.02	33	--	2H	4W	
11.28	14.33	3.05	3	98	1.57	51	--	3H	3W	
14.33	17.37	3.04	3.04	100	1.04	34	--	2H	3W	
17.37	20.42	3.05	3	98	1.22	40	--	3H	3W	
20.42	23.47	3.05	2.96	97	0.99	32	--	3H	3W	
23.47	26.52	3.05	3.02	99	1.60	52	--	2H	2W	
26.52	29.57	3.05	3.03	99	1.91	63	--	3H	3W	
29.57	32.61	3.04	3.03	100	2.36	78	--	3H	2W	
32.61	35.66	3.05	3.05	100	1.01	33	--	2H	3W	
35.66	38.71	3.05	2.94	96	1.25	41	--	4H	1W	
38.71	41.76	3.05	2.8	92	1.21	40	--	4H	1W	
41.76	44.81	3.05	2.8	92	0.96	31	--	4H	1W	
44.81	47.85	3.04	2.96	97	1.15	38	--	3H	1W	
47.85	50.90	3.05	2.79	91	0.95	31	--	3H	1W	
50.90	53.95	3.05	2.92	96	1.22	40	--	3H	1W	
53.95	57.00	3.05	3	98	2.12	70	--	4H	2W	
57.00	60.05	3.05	3.02	99	0.71	23	--	2H	3W	
60.05	63.09	3.04	3	99	0.49	16	--	3H	3W	
63.09	66.14	3.05	3.03	99	0.26	9	--	3H	3W	
66.14	69.19	3.05	3.05	100	1.36	45	--	3H	3W	
69.19	72.24	3.05	2.95	97	0.12	4	--	2H	2W	
72.24	75.29	3.05	3	98	0.85	28	--	3H	2W	
75.29	78.33	3.04	3.02	99	1.88	62	--	3H	2W	
78.33	81.38	3.05	3.05	100	0.96	31	--	3H	1W	
81.38	84.43	3.05	3.03	99	0.99	32	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	1.32	43	--	4H	1W	
87.48	90.53	3.05	2.95	97	1.19	39	--	2H	1W	
90.53	93.57	3.04	2.88	95	0.91	30	--	2H	1W	
93.57	96.62	3.05	2.98	98	1.30	43	--	2H	1W	
96.62	99.67	3.05	2.94	96	1.53	50	--	3H	1W	
99.67	102.72	3.05	2.95	97	1.20	39	--	2H	1W	
102.72	105.77	3.05	3	98	0.78	26	--	2H	1W	
105.77	108.81	3.04	2.98	98	0.85	28	--	1H	1W	
108.81	111.86	3.05	3.05	100	2.48	81	--	3H	1W	
111.86	114.91	3.05	3	98	1.91	63	--	2H	1W	
114.91	117.96	3.05	2.92	96	2.18	71	--	3H	1W	
117.96	121.01	3.05	2.98	98	2.89	95	--	3H	1W	
121.01	124.05	3.04	2.94	97	2.39	79	--	3H	1W	
124.05	127.10	3.05	2.73	90	1.50	49	--	3H	1W	
127.10	130.15	3.05	2.84	93	1.80	59	--	3H	1W	
130.15	133.20	3.05	2.92	96	2.41	79	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.03	67	--	4H	1W	
136.25	139.29	3.04	3.04	100	0.99	33	--	4H	1W	
139.29	142.34	3.05	3.04	100	2.01	66	--	4H	1W	
142.34	145.39	3.05	2.99	98	1.55	51	--	4H	1W	
145.39	148.44	3.05	3.02	99	1.15	38	--	4H	1W	
148.44	151.49	3.05	3.04	100	1.99	65	--	5H	1W	
151.49	154.53	3.04	3.04	100	2.46	81	--	4H	1W	
154.53	157.58	3.05	3.05	100	1.03	34	--	2H	1W	
157.58	160.63	3.05	3.02	99	2.06	68	--	4H	1W	
160.63	163.68	3.05	3.05	100	2.25	74	--	4H	1W	
163.68	166.73	3.05	3	98	2.35	77	--	4H	1W	
166.73	169.77	3.04	3.04	100	1.95	64	--	4H	1W	
169.77	172.82	3.05	3.04	100	1.97	65	--	4H	1W	
172.82	175.87	3.05	3.02	99	2.11	69	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.05	67	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	2.98	98	1.66	54	--	4H	1W	
181.97	185.01	3.04	2.95	97	1.39	46	--	3H	1W	
185.01	188.06	3.05	3.05	100	1.67	55	--	5H	1W	
188.06	191.11	3.05	3.05	100	1.24	41	--	4H	1W	
191.11	194.16	3.05	3.05	100	1.23	40	--	3H	1W	
194.16	197.21	3.05	3.02	99	1.40	46	--	3H	1W	
197.21	200.25	3.04	3.04	100	1.53	50	--	3H	1W	
200.25	203.30	3.05	2.93	96	0.43	14	--	2H	1W	
203.30	206.35	3.05	3.05	100	1.27	42	--	2H	1W	
206.35	209.40	3.05	3.05	100	1.53	50	--	4H	1W	
209.40	212.45	3.05	2.99	98	2.15	70	--	4H	1W	
212.45	215.49	3.04	3.04	100	1.30	43	--	4H	1W	
215.49	218.54	3.05	3.04	100	1.57	51	--	4H	1W	
218.54	221.59	3.05	3.05	100	2.04	67	--	4H	1W	
221.59	224.64	3.05	3.05	100	2.88	94	--	4H	1W	
224.64	227.69	3.05	3.05	100	2.75	90	--	4H	1W	
227.69	230.73	3.04	3.04	100	1.86	61	--	4H	1W	
230.73	233.78	3.05	2.9	95	1.97	65	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	16.2	OVB	RUBBLE
2	16.2	CAS	RUBBLE
3	0.663	OVB	
4	0.702	GRD	
5	11.3	GRD	
6	10.7	GRD	
7	12.5	GRD	RUBBLE
8	0.566	GRD	
9	3.78	GRD	
10	0.758	GRD	
11	0.347	GRD	
12	3.08	GRD	
13	15.3	GRD	
14	5.67	GRD	
15	1.58	GRD	
16	12.9	GRD	
17	1.52	GRD	
18	1.15	GRD	
19	1.11	GRD	
20	0.556	GRD	
21	7.19	GRD	
22	9.39	GRD	
23	0.436	GRD	
24	0.444	GRD	
25	0.751	GRD	
26	0.501	GRD	
27	0.514	GRD	
28	3.32	GRD	
29	5.13	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.646	GRD	
31	0.573	GRD	
32	0.692	GRD	
33	0.296	GRD	
34	0.042	QFP	
35	0.067	QFP	
36	0.27	QFP	
37	0.174	GRD	
38	0.364	GRD	
39	0.441	GRD	
40	0.774	GRD	
41	0.376	GRD	
42	1.08	GRD	
43	0.328	GRD	
44	0.567	GRD	
45	0.388	GRD	
46	0.402	GRD	
47	0.249	GRD	
48	0.656	GRD	
49	0.797	GRD	
50	0.37	GRD	
51	0.674	GRD	
52	0.358	GRD	
53	0.898	GRD	
54	0.485	GRD	
55	0.473	GRD	
56	0.59	GRD	
57	2.35	GRD	
57	2.35	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
58	0.564	GRD	
59	0.626	GRD	
60	0.238	GRD	
61	1.74	GRD	
62	1.41	GRD	
63	0.346	GRD	
64	0.494	GRD	
65	0.587	GRD	
66	0.197	QFP	
67	0.153	QFP	
68	0.311	QFP	
69	0.283	QFP	
70	0.567	QFP	
71	0.135	QFP	
72	0.178	QFP	
73	1.2	QFP	
74	0.91	QFP	
75	0.174	QFP	
76	0.19	QFP	
77	0.357	QFP	
78	0.2	QFP	
79	0.223	QFP	
80	0.165	QFP	
81	0.245	QFP	
82	0.123	GRD	
83	0.353	GRD	
84	3.41	GRD	
85	3.08	GRD	
86	1.65	GRD	
87	2.13	GRD	
88	0.793	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	0.319	GRD	
90	0.345	GRD	
91	0.551	GRD	
92	0.695	GRD	
93	0.524	GRD	
94	0.333	GRD	
95	0.279	VEN	
96	0.421	VEN	
97	0.233	VEN	
98	0.886	GRD	
99	1.17	GRD	
100	0.106	GRD	
101	0.521	GRD	
102	0.432	GRD	
103	1.51	GRD	
104	0	GRD	Rubble
105	0.497	GRD	
106	0.422	GRD	
107	0.275	GRD	
108	0.299	GRD	
109	0.616	GRD	
110	1.14	GRD	
111	8.49	GRD	
112	10.1	GRD	
113	0.216	GRD	
114	0.607	GRD	
115	14.9	GRD	
116	27.1	GRD	
117	0.185	GRD	
118	0.494	GRD	
119	0.479	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	0.629	GRD	
121	0.749	GRD	
122	0.412	GRD	
123	1.24	GRD	
124	29.2	GRD	
125	0.631	GRD	
126	0.667	GRD	
127	0.659	GRD	
128	0.473	GRD	
129	0.806	GRD	
130	0.219	GRD	
131	0.185	GRD	
132	0.229	GRD	
133	0.488	GRD	
134	0.258	GRD	
135	0.169	GRD	
136	0.226	GRD	
137	0.309	GRD	
138	0.259	GRD	
139	0.229	GRD	
140	0.611	GRD	
141	0.322	GRD	
142	0.409	GRD	
143	0.144	GRD	
144	18.5	GRD	
145	0.8	GRD	
146	0.168	GRD	
147	0.218	GRD	
148	0.329	GRD	
149	0.709	GRD	
150	0.388	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	0.555	GRD	
152	0.555	GRD	
153	0.408	GRD	
154	0.664	GRD	
155	0.24	GRD	
156	0.686	GRD	
157	0.208	QFP	
158	0.108	QFP	
159	0.649	GRD	
160	0.754	GRD	
161	6.14	GRD	
162	1.44	GRD	
163	0.996	GRD	
164	0.501	GRD	
165	0.99	GRD	
166	0.504	GRD	
167	7.08	GRD	
168	25.1	GRD	
169	2.89	GRD	
170	0.455	GRD	
171	0.283	GRD	
172	0.4	GRD	
173	0.461	GRD	
174	24.3	GRD	
175	0.465	GRD	
176	26.6	GRD	
177	0.371	GRD	
178	0.258	GRD	
179	16.2	GRD	
180	39.5	GRD	
181	0.869	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
182	36.7	GRD	
183	24	GRD	
184	40.9	GRD	
185	44.4	GRD	
186	38	GRD	
187	0.758	GRD	
188	12.5	GRD	
189	1.66	GRD	
190	14.3	GRD	
191	21.4	GRD	
192	11.9	GRD	
193	0.441	GRD	
194	0.497	GRD	
195	0.549	GRD	
196	0.376	GRD	
197	0.417	GRD	
198	0.348	GRD	
199	0.369	GRD	
200	0.653	GRD	
201	0.498	GRD	
202	0.443	GRD	
203	0.248	GRD	
204	0.448	GRD	
205	0.278	GRD	
206	0.784	GRD	
207	0.852	GRD	
208	0.357	GRD	
209	0.288	GRD	
210	0.769	GRD	
211	0.739	GRD	
212	0.43	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
213	2.51	GRD	
214	0.707	GRD	
215	0.327	GRD	
216	0.591	GRD	
217	0.761	GRD	
218	1.44	GRD	
219	0.47	GRD	
220	0.655	GRD	
221	0.851	GRD	
222	0.963	GRD	
223	0.261	GRD	
224	0.713	GRD	
225	4.3	GRD	
226	0.698	GRD	
227	53.9	GRD	
228	4.42	GRD	
229	0.773	GRD	
230	1.08	GRD	
231	42.6	GRD	
232	2.37	GRD	
233	10.5	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615946	☐	16-099		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616009	☐	16-100		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615988	☐	16-100			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615984	☐	16-100		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615980	☐	16-100			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615968	☐	16-099			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292810	☐	16-092	High Grade	ME-1402	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615953	☐	16-099			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615930	☐	16-096			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615926	☐	16-096		KL-STD3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615918	☐	16-096		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615911	☐	16-096			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615899	☐	16-094		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615896	☐	16-094			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615960	☐	16-099		KL-STD4	☐	☐	☐
8.23	9.10	0.87	GRD	0.87	100	R615882	☐	16-094			☐	☐	☐
9.10	9.86	0.76	GRD	0.74	97	R615883	☐	16-094			☐	☐	☐
9.86	10.34	0.48	GRD	0.39	81	R615884	☐	16-094			☐	☐	☐
10.34	10.99	0.65	GRD	0.63	97	R615885	☐	16-094			☐	☐	☐
10.99	11.60	0.61	GRD	0.61	100	R615886	☐	16-094			☐	☐	☐
10.99	11.60	0.61	GRD	0.61	100	R615887	☐	16-094			☐	☑	☐
11.60	12.11	0.51	GRD	0.51	100	R615888	☐	16-094			☐	☐	☐
29.87	30.89	1.02	GRD	1.00	98	R615889	☐	16-094			☐	☐	☐
30.89	31.43	0.54	GRD	0.54	100	R615890	☐	16-094			☐	☐	☐
30.89	31.43	0.54	GRD	0.54	100	R615891	☐	16-094			☐	☐	☑
31.43	32.04	0.61	GRD	0.55	90	R615892	☐	16-094			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
32.04	33.03	0.99	GRD	0.99	100	R615893	☐	16-094			☐	☐	☐
45.83	46.90	1.07	GRD	1.02	95	R615894	☐	16-094			☐	☐	☐
46.90	47.85	0.95	GRD	0.93	98	R615895	☐	16-094			☐	☐	☐
47.85	48.37	0.52	GRD	0.51	98	R615897	☐	16-094			☐	☐	☐
57.00	58.13	1.13	GRD, GRD	0.87	77	R615898	☐	16-094			☐	☐	☐
58.13	59.00	0.87	GRD	0.83	95	R615900	☐	16-094			☐	☐	☐
59.00	60.05	1.05	GRD	1.05	100	R615901	☐	16-094			☐	☐	☐
60.05	60.67	0.62	GRD	0.62	100	R615902	☐	16-094			☐	☐	☐
60.67	62.02	1.35	GRD	1.27	94	R615903	☐	16-094			☐	☐	☐
62.02	63.09	1.07	GRD	1.02	95	R615904	☐	16-094			☐	☐	☐
63.09	64.58	1.49	GRD	1.42	95	R615905	☐	16-096			☐	☐	☐
64.58	65.65	1.07	GRD	1.02	95	R615906	☐	16-096			☐	☐	☐
65.65	66.14	0.49	QFP	0.49	100	R615907	☐	16-096			☐	☐	☐
80.74	81.84	1.10	QFP	1.10	100	R615908	☐	16-096			☐	☐	☐
81.84	82.38	0.54	GRD	0.54	100	R615909	☐	16-096			☐	☐	☐
82.38	82.98	0.60	GRD	0.50	83	R615910	☐	16-096			☐	☐	☐
82.98	83.45	0.47	GRD	0.47	100	R615912	☐	16-096			☐	☐	☐
83.45	84.43	0.98	GRD	0.96	98	R615913	☐	16-096			☐	☐	☐
90.97	91.95	0.98	GRD	0.98	100	R615914	☐	16-096			☐	☐	☐
91.95	92.62	0.67	GRD	0.67	100	R615915	☐	16-096			☐	☐	☐
92.62	93.57	0.95	GRD	0.95	100	R615916	☐	16-096			☐	☐	☐
93.57	94.68	1.11	GRD	1.11	100	R615917	☐	16-096			☐	☐	☐
94.68	95.19	0.51	GRD	0.51	100	R615919	☐	16-096			☐	☐	☐
95.19	95.69	0.50	VEN	0.50	100	K292806	☐	16-092	High Grade		☐	☐	☐
95.69	96.66	0.97	VEN	0.97	100	K292807	☐	16-092	High Grade		☐	☐	☐
96.66	97.20	0.54	VEN	0.54	100	K292808	☐	16-092	High Grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
97.20	97.78	0.58	VEN	0.58	100	R615920	☐	16-096			☐	☐	☐
97.78	98.86	1.08	GRD	1.08	100	R615921	☐	16-096			☐	☐	☐
97.78	98.86	1.08	GRD	1.08	100	R615922	☐	16-096			☐	☑	☐
98.86	99.67	0.81	GRD	0.81	100	R615923	☐	16-096			☐	☐	☐
99.67	102.72	3.05	GRD	3.05	100	R615924	☐	16-096			☐	☐	☐
102.72	103.78	1.06	GRD	1.05	99	R615925	☐	16-096			☐	☐	☐
103.78	104.76	0.98	GRD	0.98	100	R615927	☐	16-096			☐	☐	☐
104.76	105.27	0.51	GRD	0.51	100	R615928	☐	16-096			☐	☐	☐
105.27	105.77	0.50	GRD	0.50	100	R615929	☐	16-096			☐	☐	☐
105.77	106.68	0.91	GRD	0.91	100	R615931	☐	16-096			☐	☐	☐
115.98	116.88	0.90	GRD	0.90	100	R615932	☐	16-096			☐	☐	☐
116.88	117.38	0.50	GRD	0.50	100	R615933	☐	16-096			☐	☐	☐
116.88	117.38	0.50	GRD	0.50	100	R615934	☐	16-096			☐	☐	☑
117.38	117.96	0.58	GRD	0.58	100	R615935	☐	16-096			☐	☐	☐
117.96	118.51	0.55	GRD	0.55	100	R615936	☐	16-096			☐	☐	☐
118.51	119.46	0.95	GRD	0.95	100	R615937	☐	16-096			☐	☐	☐
119.46	120.07	0.61	GRD	0.61	100	R615938	☐	16-096			☐	☐	☐
125.80	126.84	1.04	GRD	1.04	100	R615939	☐	16-096			☐	☐	☐
126.84	127.37	0.53	GRD	0.50	94	R615940	☐	16-099			☐	☐	☐
127.37	129.05	1.68	GRD	1.68	100	R615941	☐	16-099			☐	☐	☐
129.05	129.78	0.73	GRD	0.73	100	R615942	☐	16-099			☐	☐	☐
129.78	130.92	1.14	GRD	1.14	100	R615943	☐	16-099			☐	☐	☐
130.92	131.92	1.00	GRD	1.00	100	R615944	☐	16-099			☐	☐	☐
131.92	133.20	1.28	GRD	1.28	100	R615945	☐	16-099			☐	☐	☐
133.20	136.25	3.05	GRD	3.05	100	R615947	☐	16-099			☐	☐	☐
136.25	137.72	1.47	GRD	1.47	100	R615948	☐	16-099			☐	☐	☐
137.72	139.29	1.57	GRD	1.57	100	R615949	☐	16-099			☐	☐	☐
139.29	139.88	0.59	GRD	0.59	100	R615950	☐	16-099			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
139.88	140.65	0.77	GRD	0.77	100	R615951	☐	16-099			☐	☐	☐
140.65	141.15	0.50	GRD	0.50	100	R615952	☐	16-099			☐	☐	☐
141.15	141.70	0.55	GRD	0.55	100	R615954	☐	16-099			☐	☐	☐
141.70	142.34	0.64	GRD	0.64	100	R615955	☐	16-099			☐	☐	☐
142.34	143.21	0.87	GRD	0.87	100	R615956	☐	16-099			☐	☐	☐
142.34	143.21	0.87	GRD	0.87	100	R615957	☐	16-099			☐	☑	☐
143.21	145.39	2.18	GRD	2.12	97	R615958	☐	16-099			☐	☐	☐
145.39	147.14	1.75	GRD	1.75	100	R615959	☐	16-099			☐	☐	☐
147.14	147.91	0.77	GRD	0.77	100	R615961	☐	16-099			☐	☐	☐
147.91	148.44	0.53	GRD	0.53	100	R615962	☐	16-099			☐	☐	☐
148.44	148.94	0.50	GRD	0.50	100	R615963	☐	16-099			☐	☐	☐
148.94	149.44	0.50	GRD	0.50	100	R615964	☐	16-099			☐	☐	☐
149.44	150.44	1.00	SIL	1.00	100	R615965	☐	16-099			☐	☐	☐
150.44	152.50	2.06	GRD	2.06	100	R615966	☐	16-099			☐	☐	☐
152.50	153.01	0.51	GRD	0.51	100	R615967	☐	16-099			☐	☐	☐
153.01	154.36	1.35	GRD	1.35	100	R615969	☐	16-099			☐	☐	☐
154.36	154.89	0.53	GRD	0.53	100	R615970	☐	16-099			☐	☐	☐
154.36	154.89	0.53	GRD	0.53	100	R615971	☐	16-099			☐	☐	☑
154.89	155.89	1.00	GRD	1.00	100	R615972	☐	16-099			☐	☐	☐
155.89	156.85	0.96	GRD	0.96	100	R615973	☐	16-099			☐	☐	☐
156.85	157.53	0.68	GRD	0.68	100	R615974	☐	16-099			☐	☐	☐
157.53	158.56	1.03	QFP	1.03	100	R615975	☐	16-099			☐	☐	☐
158.56	159.87	1.31	QFP	1.29	98	R615976	☐	16-100			☐	☐	☐
159.87	160.38	0.51	GRD	0.51	100	R615977	☐	16-100			☐	☐	☐
160.38	163.01	2.63	GRD	2.63	100	R615978	☐	16-100			☐	☐	☐
163.01	163.51	0.50	GRD	0.50	100	R615979	☐	16-100			☐	☐	☐
163.51	164.51	1.00	GRD	1.00	100	R615981	☐	16-100			☐	☐	☐
164.51	166.73	2.22	GRD	2.22	100	R615982	☐	16-100			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
166.73	168.25	1.52	GRD	1.52	100	R615983	☐	16-100			☐	☐	☐
168.25	168.75	0.50	GRD	0.50	100	R615985	☐	16-100			☐	☐	☐
168.75	170.48	1.73	GRD	1.73	100	R615986	☐	16-100			☐	☐	☐
170.48	171.31	0.83	GRD	0.83	100	R615987	☐	16-100			☐	☐	☐
171.31	173.78	2.47	GRD	2.47	100	R615989	☐	16-100			☐	☐	☐
173.78	174.68	0.90	GRD	0.90	100	R615990	☐	16-100			☐	☐	☐
174.68	175.27	0.59	GRD	0.59	100	R615991	☐	16-100			☐	☐	☐
175.27	176.27	1.00	GRD	1.00	100	R615992	☐	16-100			☐	☐	☐
176.27	177.27	1.00	GRD	1.00	100	R615993	☐	16-100			☐	☐	☐
194.16	194.70	0.54	GRD	0.54	100	R615994	☐	16-100			☐	☐	☐
194.70	195.64	0.94	GRD	0.94	100	R615996	☐	16-100			☐	☐	☐
195.64	196.87	1.23	GRD	1.23	100	R615997	☐	16-100			☐	☐	☐
195.64	196.87	1.23	GRD	1.23	100	R615998	☐	16-100			☐	☑	☐
196.87	197.45	0.58	GRD	0.58	100	R615999	☐	16-100			☐	☐	☐
197.45	197.95	0.50	GRD	0.50	100	K292809	☐	16-092	High Grade		☐	☐	☐
197.95	198.45	0.50	GRD	0.50	100	K292811	☐	16-092	High Grade		☐	☐	☐
198.45	198.98	0.53	GRD	0.53	100	R616000	☐	16-100			☐	☐	☐
198.98	200.50	1.52	GRD	1.52	100	R615995	☐	16-100			☐	☐	☐
200.50	201.49	0.99	GRD	0.99	100	R616011	☐	16-100			☐	☐	☐
201.49	203.98	2.49	GRD	2.27	91	R616001	☐	16-100			☐	☐	☐
203.98	204.51	0.53	GRD	0.53	100	K292812	☐	16-092	High Grade		☐	☐	☐
204.51	205.47	0.96	GRD	0.96	100	R616002	☐	16-100			☐	☐	☐
204.51	205.47	0.96	GRD	0.96	100	R616003	☐	16-100			☐	☐	☑
205.47	205.97	0.50	GRD	0.50	100	R616004	☐	16-100			☐	☐	☐
205.97	206.67	0.70	GRD	0.70	100	R616005	☐	16-100			☐	☐	☐
206.67	208.12	1.45	GRD	1.45	100	R616006	☐	16-100			☐	☐	☐
217.72	218.54	0.82	GRD	0.82	100	R616007	☐	16-100			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
218.54	219.04	0.50	GRD	0.50	100	R616008	☐	16-100			☐	☐	☐
219.04	219.55	0.51	GRD	0.51	100	R616010	☐	16-100			☐	☐	☐
219.55	221.59	2.04	GRD	2.04	100	R616015	☐	16-101			☐	☐	☐
221.59	222.44	0.85	GRD	0.85	100	R616012	☐	16-101			☐	☐	☐
222.44	223.29	0.85	GRD	0.85	100	R616013	☐	16-101			☐	☐	☐
223.29	224.64	1.35	GRD	1.35	100	R616014	☐	16-101			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.23			☐	☐	☐	☐	
16-092	K292810	0.00	0.00	13.60		☐	☐	☐	☑ ME-1402	
16-096	R615911	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-096	R615918	0.00	0.00	4.45	1250	☐	☐	☐	☑ KL-STD1	
16-096	R615926	0.00	0.00	0.79	1590	☐	☐	☐	☑ KL-STD3	
16-096	R615930	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-094	R615896	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-094	R615899	0.00	0.00	0.35	690	☐	☐	☐	☑ KL-STD4	
16-099	R615946	0.00	0.00	4.28	490	☐	☐	☐	☑ KL-STD1	
16-099	R615953	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-099	R615960	0.00	0.00	0.34	490	☐	☐	☐	☑ KL-STD4	
16-099	R615968	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-100	R615980	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-100	R615984	0.00	0.00	0.35	880	☐	☐	☐	☑ KL-STD4	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-100	R615988	0.00	0.00	0.00	70	☐	☐	☑	☐	
16-100	R616009	0.00	0.00	4.39	1250	☐	☐	☐	☑ KL-STD1	
16-094	R615882	8.23	9.10	0.00	2620	☐	☐	☐	☐	
16-094	R615883	9.10	9.86	0.26	1620	☐	☐	☐	☐	
16-094	R615884	9.86	10.34	0.11	800	☐	☐	☐	☐	
16-094	R615885	10.34	10.99	0.26	1140	☐	☐	☐	☐	
16-094	R615886	10.99	11.60	0.01	2200	☐	☐	☐	☐	
16-094	R615887	10.99	11.60	0.01	2180	☑	☐	☐	☐	
16-094	R615888	11.60	12.11	0.06	1810	☐	☐	☐	☐	
		12.11	29.87			☐	☐	☐	☐	
16-094	R615889	29.87	30.89	0.04	2200	☐	☐	☐	☐	
16-094	R615890	30.89	31.43	0.07	990	☐	☐	☐	☐	
16-094	R615891	30.89	31.43	0.07	1020	☐	☑	☐	☐	
16-094	R615892	31.43	32.04	0.02	2040	☐	☐	☐	☐	
16-094	R615893	32.04	33.03	0.01	3190	☐	☐	☐	☐	
		33.03	45.83			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-094	R615894	45.83	46.90	0.06	750	☐	☐	☐	☐	
16-094	R615895	46.90	47.85	0.05	910	☐	☐	☐	☐	
16-094	R615897	47.85	48.37	0.01	990	☐	☐	☐	☐	
		48.37	57.00			☐	☐	☐	☐	
16-094	R615898	57.00	58.13	0.00	910	☐	☐	☐	☐	
16-094	R615900	58.13	59.00	0.02	1120	☐	☐	☐	☐	
16-094	R615901	59.00	60.05	4.35	1100	☐	☐	☐	☐	
16-094	R615902	60.05	60.67	0.05	740	☐	☐	☐	☐	
16-094	R615903	60.67	62.02	0.03	690	☐	☐	☐	☐	
16-094	R615904	62.02	63.09	0.01	1220	☐	☐	☐	☐	
16-096	R615905	63.09	64.58	0.01	3310	☐	☐	☐	☐	
16-096	R615906	64.58	65.65	0.44	650	☐	☐	☐	☐	
16-096	R615907	65.65	66.14	0.11	820	☐	☐	☐	☐	
		66.14	80.74			☐	☐	☐	☐	
16-096	R615908	80.74	81.84	0.01	1710	☐	☐	☐	☐	
16-096	R615909	81.84	82.38	0.05	370	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-096	R615910	82.38	82.98	0.01	1300	☐	☐	☐	☐	
16-096	R615912	82.98	83.45	0.01	760	☐	☐	☐	☐	
16-096	R615913	83.45	84.43	0.02	1970	☐	☐	☐	☐	
		84.43	90.97			☐	☐	☐	☐	
16-096	R615914	90.97	91.95	0.00	2050	☐	☐	☐	☐	
16-096	R615915	91.95	92.62	0.21	1350	☐	☐	☐	☐	
16-096	R615916	92.62	93.57	0.01	1930	☐	☐	☐	☐	
16-096	R615917	93.57	94.68	0.01	1890	☐	☐	☐	☐	
16-096	R615919	94.68	95.19	0.21	810	☐	☐	☐	☐	
16-092	K292806	95.19	95.69	0.20	260	☐	☐	☐	☐	
16-092	K292807	95.69	96.66	0.21	150	☐	☐	☐	☐	
16-092	K292808	96.66	97.20	9.64	180	☐	☐	☐	☐	
16-096	R615920	97.20	97.78	0.03	1340	☐	☐	☐	☐	
16-096	R615921	97.78	98.86	0.01	1550	☐	☐	☐	☐	
16-096	R615922	97.78	98.86	0.00	1760	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-096	R615923	98.86	99.67	0.00	2680	☐	☐	☐	☐	
16-096	R615924	99.67	102.72	0.02	1970	☐	☐	☐	☐	
16-096	R615925	102.72	103.78	0.07	980	☐	☐	☐	☐	
16-096	R615927	103.78	104.76	0.31	990	☐	☐	☐	☐	
16-096	R615928	104.76	105.27	0.68	630	☐	☐	☐	☐	
16-096	R615929	105.27	105.77	0.01	2040	☐	☐	☐	☐	
16-096	R615931	105.77	106.68	0.00	1810	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-096	R615932	115.98	116.88	0.00	2280	☐	☐	☐	☐	
16-096	R615933	116.88	117.38	0.08	1200	☐	☐	☐	☐	
16-096	R615934	116.88	117.38	0.08	1260	☐	☑	☐	☐	
16-096	R615935	117.38	117.96	3.08	270	☐	☐	☐	☐	
16-096	R615936	117.96	118.51	0.09	1110	☐	☐	☐	☐	
16-096	R615937	118.51	119.46	0.22	1100	☐	☐	☐	☐	
16-096	R615938	119.46	120.07	0.08	1340	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-096	R615939	125.80	126.84	0.00	1820	☐	☐	☐	☐	
16-099	R615940	126.84	127.37	1.18	630	☐	☐	☐	☐	
16-099	R615941	127.37	129.05	0.12	1870	☐	☐	☐	☐	
16-099	R615942	129.05	129.78	2.48	400	☐	☐	☐	☐	
16-099	R615943	129.78	130.92	0.05	1800	☐	☐	☐	☐	
16-099	R615944	130.92	131.92	0.00	1900	☐	☐	☐	☐	
16-099	R615945	131.92	133.20	1.00	2380	☐	☐	☐	☐	
16-099	R615947	133.20	136.25	0.02	2400	☐	☐	☐	☐	
16-099	R615948	136.25	137.72	0.02	2040	☐	☐	☐	☐	
16-099	R615949	137.72	139.29	0.20	910	☐	☐	☐	☐	
16-099	R615950	139.29	139.88	0.21	480	☐	☐	☐	☐	
16-099	R615951	139.88	140.65	0.10	720	☐	☐	☐	☐	
16-099	R615952	140.65	141.15	0.13	520	☐	☐	☐	☐	
16-099	R615954	141.15	141.70	0.02	3960	☐	☐	☐	☐	
16-099	R615955	141.70	142.34	0.04	2650	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-099	R615956	142.34	143.21	0.01	2360	☐	☐	☐	☐	
16-099	R615957	142.34	143.21	0.01	2540	☑	☐	☐	☐	
16-099	R615958	143.21	145.39	0.00	2360	☐	☐	☐	☐	
16-099	R615959	145.39	147.14	0.01	2470	☐	☐	☐	☐	
16-099	R615961	147.14	147.91	0.05	1700	☐	☐	☐	☐	
16-099	R615962	147.91	148.44	0.44	1360	☐	☐	☐	☐	
16-099	R615963	148.44	148.94	0.04	1540	☐	☐	☐	☐	
16-099	R615964	148.94	149.44	0.09	710	☐	☐	☐	☐	
16-099	R615965	149.44	150.44	0.01	2590	☐	☐	☐	☐	
16-099	R615966	150.44	152.50	0.00	2400	☐	☐	☐	☐	
16-099	R615967	152.50	153.01	0.06	2830	☐	☐	☐	☐	
16-099	R615969	153.01	154.36	0.11	1860	☐	☐	☐	☐	
16-099	R615970	154.36	154.89	0.06	990	☐	☐	☐	☐	
16-099	R615971	154.36	154.89	0.05	1050	☐	☑	☐	☐	
16-099	R615972	154.89	155.89	0.37	550	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-099	R615973	155.89	156.85	0.17	510	☐	☐	☐	☐	
16-099	R615974	156.85	157.53	0.02	860	☐	☐	☐	☐	
16-099	R615975	157.53	158.56	0.00	860	☐	☐	☐	☐	
16-100	R615976	158.56	159.87	0.03	1520	☐	☐	☐	☐	
16-100	R615977	159.87	160.38	0.08	1390	☐	☐	☐	☐	
16-100	R615978	160.38	163.01	0.00	2680	☐	☐	☐	☐	
16-100	R615979	163.01	163.51	0.66	2390	☐	☐	☐	☐	
16-100	R615981	163.51	164.51	0.01	2440	☐	☐	☐	☐	
16-100	R615982	164.51	166.73	0.11	2200	☐	☐	☐	☐	
16-100	R615983	166.73	168.25	0.00	2880	☐	☐	☐	☐	
16-100	R615985	168.25	168.75	0.18	770	☐	☐	☐	☐	
16-100	R615986	168.75	170.48	0.02	2020	☐	☐	☐	☐	
16-100	R615987	170.48	171.31	0.36	880	☐	☐	☐	☐	
16-100	R615989	171.31	173.78	0.07	1820	☐	☐	☐	☐	
16-100	R615990	173.78	174.68	0.08	2350	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-100	R615991	174.68	175.27	0.63	1120	☐	☐	☐	☐	
16-100	R615992	175.27	176.27	0.00	2730	☐	☐	☐	☐	
16-100	R615993	176.27	177.27	0.09	2090	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-100	R615994	194.16	194.70	0.01	970	☐	☐	☐	☐	
16-100	R615996	194.70	195.64	0.13	850	☐	☐	☐	☐	
16-100	R615997	195.64	196.87	0.04	910	☐	☐	☐	☐	
16-100	R615998	195.64	196.87	0.05	730	☑	☐	☐	☐	
16-100	R615999	196.87	197.45	0.07	670	☐	☐	☐	☐	
16-092	K292809	197.45	197.95	0.37	900	☐	☐	☐	☐	
16-092	K292811	197.95	198.45	1.24	320	☐	☐	☐	☐	
16-100	R616000	198.45	198.98	0.03	910	☐	☐	☐	☐	
16-100	R615995	198.98	200.50	0.07	1150	☐	☐	☐	☐	
16-100	R616011	200.50	201.49	0.20	2090	☐	☐	☐	☐	
16-100	R616001	201.49	203.98	0.05	2670	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-092	K292812	203.98	204.51	1.42	690	☐	☐	☐	☐	
16-100	R616002	204.51	205.47	0.01	1490	☐	☐	☐	☐	
16-100	R616003	204.51	205.47	0.01	1430	☐	☑	☐	☐	
16-100	R616004	205.47	205.97	0.81	740	☐	☐	☐	☐	
16-100	R616005	205.97	206.67	0.06	2240	☐	☐	☐	☐	
16-100	R616006	206.67	208.12	0.02	2560	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-100	R616007	217.72	218.54	0.00	2280	☐	☐	☐	☐	
16-100	R616008	218.54	219.04	0.18	1430	☐	☐	☐	☐	
16-100	R616010	219.04	219.55	0.01	2620	☐	☐	☐	☐	
16-101	R616015	219.55	221.59	0.03	2390	☐	☐	☐	☐	
16-101	R616012	221.59	222.44	0.02	1150	☐	☐	☐	☐	
16-101	R616013	222.44	223.29	0.46	2110	☐	☐	☐	☐	
16-101	R616014	223.29	224.64	0.01	1720	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
9.78	9.86	GO	34	80	NUL	1	8cm gouged quartz vein hosting disseminated to blebby pyrite.			
								Py	6	DI
								Py	2	BL
10.17	10.70	VT	37	85	NUL	3	Quartz veinlets and one quartz vein (ranging from 0.4 to 2cm) hosting dissemianted pyrite within argillic altered granodiorite that has undergone oxidation			
								Py	4	DI
10.80	10.86	VN	37	85	NUL	1	6cm gouged quartz vein hosting disseminated pyrite throughout.			
								Py	7	DI
47.07	47.85	GO	34	-	NUL	2	Gouge altered vein zone of quartz flooded weakly phyllic granodiorite. Carries small quartz veinlets with disseminated pyrite.			
								Py	1	DI
59.10	59.87	VT	37	80	NUL	3	Pyrite stringers throughout phyllic granodiorite with disseminated pyrite throughout.			
								Py	10	DI
59.87	59.95	VN	37	85	NUL	1	8cm quartz vein hosting blebby arsenopyrite, disseminated to blebby chalcopyrite, sphalerite, and pyrite.			
								Cp	5	BL
								Sp	12	BL
								Py	23	BL
								As	20	BL
59.98	60.02	VN	37	85	NUL	1	4cm quartz vein hosting blebby pyrite			
								Py	6	BL
64.70	65.55	BN		75	NUL	1	Zone of black/smokey quartz brecciating medium brown quartz feldspar porphyry dyke, and oxidized phyllic to argillic granodiorite. Breccia carries clasts of quartz, carbonate, host granodiorite, dyke and disseminated pyrite. Interval found along upper dyke contact.			
								Py	2	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
82.00	82.78	VN	37	-	NUL	3	Quartz/carbonate veins ranging from 0.4 to 3cm found along both quartz feldspar dyke contact, and within argillic/phyllic granodiorite with weak gouging. Veins host disseminated pyrite.			
								Py	1	DI
94.78	96.56	VN	37	-	NUL	1	Argillic/phyllic altered granodiorite carrying numerous quartz, quartz carbonate, and carbonate veins throughout that are nearly continuous, separated only by small intervals of phyllic or argillic/phyllic granodiorite. Vein zone hosts disseminated pyrite throughout smokey quartz veins and breccias. Vein zone displays sporadic brecciation by both carbonate veining and smokey quartz. Dominantly carbonate veining and smokey quartz veining.			
96.80	97.22	VN	37	-	NUL	13	42cm vein zone found in argillic/phyllic altered granodiorite. Vein zone contains numerous quartz/smokey quartz/carbonate veins hosting blebby pyrite, arsenopyrite, and sphalerite throughout. Veins range in size from 1cm to 14cm within vein zone. Carbonate veinlets and stringers are found eminating throughout zone.			
								Py	15	BL
								As	10	BL
								Sp	6	BL
101.06	101.17	VN	37	30	NUL	1	5cm quartz carbonate vein hosting disseminated pyrite alongside a gouged and re-healed 5cm vein carrying quartz, carbonate clasts and disseminated pyrite throughout.			
								Py	3	DI
104.78	104.81	VN	37	80	NUL	1	3cm quartz vein hosting blebby pyrite.			
								Py	7	BL
105.05	105.23	VN	37	80	NUL	1	quartz flooded smokey quartz vein found within argillic/phyllic altered granodiorite. Small vuggy texture present. Vein hosts blebby pyrite and arsenopyrite			
								As	8	BL
								Py	8	BL
117.07	117.09	VN	37	80	NUL	1	1.5cm quartz carbonate vein hosting blebby bands of pyrite.			
								Py	45	BN

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
117.40	117.43	VN	37	75	NUL	1	2.5 cm quartz vein crosscutting propylitic altered granodiorite. Vein hosts disseminated to slightly blebby pyrite, arsenopyrite, and sphalerite with minor carbonate stringers throughout.			
								As	12	DI
								Py	25	DI
								Sp	6	BL
117.90	117.96	VN	37	80	NUL	1	6cm quartz carbonate vein hosting blebby pyrite, arsenopyrite, sphalerite, and galena. Pyrite, arsenopyriten and sphalerite found throughout, while galena found along carbonate veining.			
								As	20	BL
								Sp	20	BL
								Gn	5	BL
								Py	20	BL
127.10	127.23	VN	37	65	NUL	1	13cm quartz/smokey quartz/carbonate vein hosting blebby pyrite, and sphalerite.			
								Py	11	BL
								Sp	10	BL
129.08	129.12	VN	37	85	NUL	1	4cm quartz carbonate vein hosting disseminated to blebby pyrite.			
								Py	1	BL
								Py	4	DI
129.68	129.72	VN	37	-	NUL	1	4cm fractured quartz vein hosting disseminated to blebby pyrite.			
								Py	7	DI
								Py	1	BL
137.72	142.02	VT	37	-	NUL	196	Carbonate and smokey quartz carbonate veinlets ranging from 0.1 to 1cm found throghout argillic/phyllic altered grnaodiorite. Veinlets are oriented in two dominant directions, 50*TCA and 75*TCA. Hosts disseminated to blebby pyrite, dissemianted sphalerite sporadically throughout veinlets.			
								Py	3	DI
								Sp	2	DI
								Py	2	BL
139.77	139.83	VN	37	70	NUL	1	6cm calcite vein with smokey quartz along upper and lower selvedge that hosts disseminated pyrite.			
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
140.88	141.07	VN	37	70	NUL	3	8.5cm quartz/smokey quartz/carbonte vein found within argillic/phyllic granodiorite hosting disseminated to blebby pyrite, sphalerite, and disseminated galena. Carbonate within vein displays net texture. Vein has a quartz vein eminating from it at 30* hosting disseminated pyrite along its upper selvedge, and a carbonate vein at 80* along its lower selvedge.			
								Py	3	BL
								Gn	1	DI
								Sp	2	BL
								Py	2	DI
147.96	148.04	VN	37	60	NUL	1	8cm quartz vein hosting blebby pyrite, and trace disseminted sphalerite.			
								Sp	1	DI
								Py	25	BL
148.14	148.26	VN	37	75	NUL	1	12cm quartz carbonate vein within argillic/phyllic altered granodiorite hosting blebby pyrite, sphalerite, and galena. Sulfide mineralization found in close proximity to carbonate veining.			
								Gn	10	BL
								Py	8	BL
								Sp	10	BL
149.22	149.34	VN	37	65	NUL	2	Interconnected 1-3cm rhodochrosite veins found within medium green siliceous dyke. Blebby pyrite found below rhodochrosite veins within dyke.			
								Py	15	BL
154.89	155.04	VB	37	75	NUL	1	15cm smokey quartz carbonate breccia vein found within argillic/phyllic altered granodiorite. Breccia zone is quartz/smokey quartz/carbonate vein zone, with carbonate injecting throughout clear quartz, and smokey quartz brecciating both intervals.			
								Py	3	DI
								Py	3	BL
156.74	156.82	BX	34	85	NUL	1	Phyllic altered granodiorite/dark green quartz feldspar porphyry dyke contact with a smokey quartz carbonate vein found between. Vein weakly brecciates both granodiorite and dyke.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
157.62	157.74	VN	37	85	NUL	5	Light brown quartz feldspar porphyry dyke with quartz to weakly smokey quartz veinlets crosscutting throughout. Quartz veins weakly brecciate brown dyke.			
158.64	158.74	BX	34	85	NUL	1	Gradational dyke contact between phyllic altered granodiorite and light brown quartz feldspar porphyry dyke. Contact has bands of dyke ranging from light brown to medium brown intermixed with strongly phyllic altered granodiorite. Weak brecciation between dyke and granodiorite. Trace disseminated pyrite found throughout.			
								Py	1	DI
163.35	163.42	VN	37	65	NUL	1	Smokey quartz carbonate vein hosting blebby to disseminated pyrite within argillic/phyllic altered granodiorite.			
								Py	20	DI
170.75	171.36	VN	37	-	NUL	3	Zone of multiple quartz/carbonate veins and veinlets crosscutting argillic/phyllic granodiorite. Carbonate stringers are found throughout, along with patches of quartz flooding. Main quartz carbonate vein within (170.80-170.86) is a 4cm quartz carbonate vein hosting disseminated pyrite, galena and sphalerite.			
								Py	3	DI
								Sp	1	DI
								Gn	1	DI
174.70	174.74	VN	37	65	NUL	1	4cm quartz vein found within argillic/phyllic granodiorite hosting blebby pyrite, and disseminated to blebby zoned honey brown sphalerite.			
								Sp	5	DI
								Py	30	BL
187.17	187.21	VN	37	80	NUL	1	Quartz carbonate vein hosting disseminated pyrite.			
								Py	3	DI
193.51	193.54	VN	37	85	NUL	1	3cm quartz carbonate vein hosting blebby pyrite, sphalerite, and disseminated galena. Trace amounts of disseminated chalcopyrite present.			
								Sp	10	BL
								Cp	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	25	BL
197.71	197.91	VT	37	65	NUL	3	Quartz carbonate veinlets and veins hosting disseminated pyrite. Propylitic altered granodiorite enveloping veinlets carries disseminated pyrite.			
								Py	4	DI
198.03	198.27	VN	37	65	NUL	1	Quartz carbonate vein zone found within phyllic altered granodiorite. Carbonate brecciates quartz veins. Vein zone hosts semi-massive to blebby pyrite, sphalerite, disseminated galena, and minor disseminated arsenopyrite.			
								Py	35	BL
								Sp	30	BL
								As	1	DI
								Gn	3	DI
204.00	204.51	VN	37	-	NUL	1	Gouged phyllic to propylitic altered vein zone carrying numerous quartz/smokey quartz veins. Vein zone hosts blebby pyrite, galena, and disseminated sphalerite.			
								Sp	1	DI
								Gn	3	BL
								Py	3	BL
205.68	205.93	VN	37	75	NUL	1	25cm carbonate vein with quartz intrusions. Carbonate vein brecciates quartz, with blebby pyrite, sphalerite, and disseminated glen found both along the upper and lower selvedges, and proximal to the vein.			
								Gn	4	DI
								Py	15	BL
								Sp	10	BL
218.73	218.81	VN	37	75	NUL	1	8cm quartz/smokey quartz/carbonte vein crosscutting phyllic altered granodiorite. Carbonate veining brecciates smokey quartz and mineralization. Vugs found within carbonte. Vein hosts disseminated to blebby pyrite, sphalerite, and galena.			
								Sp	7	BL
								Gn	3	DI
								Py	4	DI
222.46	223.05	VT	37	65	NUL	10	Carbonate veinlets and stringers crosscutting phyllic granodiorite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
223.11	223.13	VN	37	80	NUL	1	1.5cm quartz carbonate vein hosting disseminated pyrite and galena found within phyllic/propylitic granodiorite.			
								Py	7	DI
								Gn	8	DI
223.20	223.26	VN	37	60	NUL	1	6cm smokey quartz vein hosting blebby pyrite. Carbonate stringers found along upper and lower selvedges of vein.			
								Py	30	BL
228.90	228.97	VN	37	75	NUL	1	7cm quartz carbonate vein hosting blebby pyrite, sphalerite, and disseminated galena.			
								Gn	1	DI
								Sp	10	BL
								Py	60	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383236	6889235	1427.75	224.64

ZONE: Stroshein

SECTION:

HOLE: KL-16-332

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth:

Drilling Dates: Jul 30 - Jul 31, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	39.8	-49.7	Reflex
224.63	38.1	-49.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.03	2.03	CAS
2.03	23.47	21.44	GRD
23.47	25.27	1.8	GRD
25.27	50.9	25.63	GRD
50.9	52.16	1.26	GRD
52.16	57.45	5.29	GRD
57.45	62.5	5.05	GRD
62.5	74.33	11.83	GRD
74.33	79.86	5.53	GRD
79.86	89.85	9.99	GRD
89.85	95.4	5.55	GRD
95.4	130.68	35.28	GRD
130.68	137.9	7.22	GRD
137.9	144.58	6.68	GRD
144.58	145.02	0.44	VEN
145.02	210.31	65.29	GRD

SAMPLES	
Numbers:	K292803 to K292805, R614836 to R614905
Total:	73
Batch:	091, 092, 093, 095
Certificates:	VA16127983, VA16127984, VA16129499, VA16129508

COMMENTS

Stroshein vein hosts pyrite, chalcopyrite, sphalerite, galena, and arsenopyrite.

210.31	218.68	8.37	GRD
218.68	219.13	0.45	VEN
219.13	220.57	1.44	GRD
220.57	224.64	4.07	GRD

Box Log

KL-16-332

Klaza
Stroshein Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2.03	8.13
2	8.13	11.95
3	11.95	16.2
4	16.2	20.2
5	20.2	24.14
6	24.14	28.69
7	28.69	32.61
8	32.61	38.87
9	38.87	41.27
10	41.27	45.34
11	45.34	49.64
12	49.64	53.81
13	53.81	57.91
14	57.91	62
15	62	66.14
16	66.14	70.47
17	70.47	74.69
18	74.69	78.75
19	78.75	83.15
20	83.15	87.4
21	87.4	91.47
22	91.47	95.8
23	95.8	99.87
24	99.87	104.08
25	104.08	108.34
26	108.34	112.47
27	112.47	116.65
28	116.65	120.86
29	120.86	125.11
30	125.11	129.24
31	129.24	133.2
32	133.2	137.07
33	137.07	141.39
34	141.39	145.55
35	145.55	149.79
36	149.79	153.88
37	153.88	158.17
38	158.17	162.33
39	162.33	166.73
40	166.73	170.79
41	170.79	175.33
42	175.33	179.31
43	179.31	183.65
44	183.65	187.77
45	187.77	192.19
46	192.19	196.19
47	196.19	200.47
48	200.47	204.74
49	204.74	208.76
50	208.76	212.95
51	212.95	217.2
52	217.2	221.3
53	221.3	224.64

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-332									
	51.48	10	NQ2	GRD	608.6	410.6	2.87	3.1	Quartz-pyrite vein with pervsive oxide staining.
	58.37	14	NQ2	GRD	827.2	528.5	2.78	2.8	Smokey quartz vein with veins of oxidized quartz carbonate. Contains disseminated pyrite.
	76.34	18	NQ2	GRD	1120.7	717.2	2.93	2.8	Smokey quartz breccia with blebby pyrite, galena, and arsenopyrite.
	144.65	11	NQ2	VEN	708.5	511.5	3.03	3.6	White-smoky quartz-carbonate vein breccia. The outer selvedges are dominated by white massive quartz. 11.5cm is massive pyrite and chalcopyrite surrounded by white quartz-carbonate with crustiform textures. Massive pyrite has discontinuous blackjack sphalerite and blebby galena. The next 20cm is white quartz-carbonate matrix is clasts of smoky quartz-pyrite veining. Smoky quartz hosts blebby pyrite and galena.
	218.72	13	NQ2	VEN	756.1	488.1	2.74	2.8	Stroshein vein. Gouge development along upper margin. The first 18 cm of the vein is a smoky quartz breccia, dominated by matrix. Clasts are white quartz-pyrite veins and phyllic granodiorite with fine disseminated pyrite.

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
	218.86	12.5	NQ2	VEN	879.1	623.1	3.31	3.4	Stroshein vein. 10 cm of approximately 2 cm bands of white-cream crustiform quartz-carbonate, massive/intergrown pyrite and chalcopyrite, and a band of massive blackjack sphalerite with blebby arsenopyrite and galena.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.03	9.43	7.40	GRD	MG	Strong pervasively oxidizied argillic granodiorite.							
						MD	BN	RB	CLY	3I		
								FR	ARG	3I		
									OXI	4I		
9.43	12.38	2.95	GRD	MG	Fresh granodiorite with oxide on fracture surfaces.							
						MD	GY		OXI	2I		
						MD	BN					
12.38	23.47	11.09	GRD	MG	Dominated by argillic-oxide altered granodiorite with rare quartz veining.							
						MD	GY	PA	ARG	3I		
						MD	BN		OXI	3I		
23.47	25.27	1.80	GRD	MG	Pervasively phyllic-argillic altered granodiorite with clay alteration in the upper section of quartz-pyrite veining. Semi-pervasive oxidization in clay altered area.							
						LT	BN	FR	PHC	4I	Py	1
						LT	GY		CLY	2I		
									OXI	2I		
25.27	50.90	25.63	GRD	MG	Fresh granodiorite with patchy propylitic and potassic alteration, and oxides limited to fractures.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	2I		
						LT	PK		OXI	2I		
						LT	BN					
50.90	51.39	0.49	GRD	MG	Phyllic and argillic altered vein halo.							
						LT	GN		PHC	3I		
						LT	WH		ARG	2I		
						LT	BN		OXI	2I		
51.39	51.59	0.20	VEN	MG	Massive quartz-pyrite vein with pervasive oxidization.							
						MD	BN	MA	OXI	2I	Py	50
						MD	BR					
51.59	52.16	0.57	GRD	MG	Phyllic and argillic altered vein halo with oxide overprint.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN		OXI	2I		
						LT	WH		ARG	2I		
						LT	GN		PHC	3I		
52.16	57.45	5.29	GRD	MG	Fresh granodiorite with patchy weak propylitic, potassic, and argillic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		ARG	2I		
						MD	PK		OXI	1I		
						LT	WH		POT	1I		
57.45	58.21	0.76	GRD	MG	Phyllic and argillic vein halo with oxide overprint. Cut by a massive white quartz-pyrite vein.							
						LT	GN		PHC	3I	Py	2
						LT	BN		OXI	1I		
									ARG	2I		
58.21	58.76	0.55	BXA	MG	Granodiorite and quartz-pyrite vein brecciated by white quartz-carbonate veining with pyrite. Semi-pervasive oxide staining throughout, and granodiorite clasts are phyllic/argillic altered.							
						LT	GY	BX	PHC	3I	Py	5
						LT	BN		ARG	2I		
						LT	GN		OXI	2I		
58.76	62.50	3.74	GRD	MG	Patchy phyllic-argillic halo around the breccia, cut by quartz-pyrite veining. Oxide on fractures.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	3I		
						LT	BN		OXI	2I		
62.50	74.33	11.83	GRD	MG	Fresh granodiorite with occasional patches of phyllic-argillic alteration in halos around rare quartz-pyrite veins. Patches of propylitic and potassic alteration are common.							
						MD	GY					
74.33	76.27	1.94	GRD	MG	Wide inner phyllic and outer argillic halo around a smoky quartz breccia and quartz-pyrite veining. Fine disseminated pyrite is found in phyllic granodiorite.							
						LT	GN		PHC	4I	Py	5
						LT	WH		ARG	3I	Cp	1
76.27	76.70	0.43	BXA	MG	Smoky quartz breccia with clasts of quartz-carbonate-pyrite veins. Smoky quartz matrix hosts blebby pyrite, galena, and arsenopyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	BX	OXI	1I	Py	8
											Gn	0.5
											As	0.5
76.70	79.86	3.16	GRD	MG	Wide inner phyllic and outer argillic halo around a smoky quartz breccia and quartz-pyrite veining. Fine disseminated pyrite is found in phyllic granodiorite.							
						LT	GN	PA	PHC	4I	Py	1
						LT	PK		ARG	3I		
						LT	WH					
79.86	89.85	9.99	GRD	MG	Fresh granodiorite with occasional patches of phyllic-argillic alteration in halos around rare quartz-pyrite veins. Patches of propylitic and potassic alteration are common.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK					
89.85	95.40	5.55	GRD	MG	Wide inner phyllic and outer argillic halo around quartz-pyrite veining. Fine disseminated pyrite is found in phyllic granodiorite. Oxide staining on fractures.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I		
						LT	BN					
95.40	130.68	35.28	GRD	MG	Relatively fresh granodiorite with patchy propylitic and potassic alteration. This is cut by few quartz-pyrite veins with narrow phyllic halos.							
						MD	GY	PA	PHC	1I	Py	0.1
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
130.68	137.90	7.22	GRD	MG	Fractured, oxide-stained, partially healed argillic granodiorite. Extensive fracturing lead to pervasive oxide staining. This interval is unusual, in that it is partially healed by coarse crystalline glassy calcite. Crystals are elongated rhombs, averaging 1.5cm long. They are accompanied by blebby pyrite. Granodiorite has undergone overprinting argillic, phyllic, and propylitic alterations.							
						MD	GY	FR	PRO	3I		
						MD	BN	BX	PHC	3I	Ca	5
						LT	GY	RB	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		OXI	3I		
137.90	144.58	6.68	GRD	MG	Patchily phyllic altered granodiorite with weak oxide on fractures. Cut by few quartz-pyrite veins.							
						MD	GY	PA	PHC	3I	Py	1
						LT	GN		OXI	2I		
						LT	BN					
144.58	145.02	0.44	VEN	MG	White-smoky quartz-carbonate vein breccia. The outer selvedges are dominated by white massive quartz. 11.5cm is massive pyrite and chalcopyrite surrounded by white quartz-carbonate with crustiform textures. Massive pyrite has discontinuous blackjack sphalerite and blebby galena. The next 20cm is white quartz-carbonate matrix is clasts of smoky quartz-pyrite veining. Smoky quartz hosts blebby pyrite and galena.							
						MD	BR				Gn	1
						MD	BN				Sp	2
						LT	WH	BX	OXI	2I	Py	5
						DK	GY				Cp	2
145.02	192.90	47.88	GRD	MG	Patchily phyllic altered granodiorite with weak oxide on fractures. Cut by few quartz-pyrite veins.							
						MD	GY	PA	PHC	2I	Py	1
						LT	GN		PRO	2I		
192.90	196.05	3.15	GRD	MG	Wide phyllic-argillic halo around aplite dyklets and quartz-pyrite veining. Disseminated pyrite throughout the groundmass.							
						LT	GN	PA	PHC	3I	Py	1
						LT	GY		ARG	3I	Py	1
196.05	210.31	14.26	GRD	MG	Relatively fresh granodiorite with patchy propylitic and potassic alteration cut by few quartz-pyrite veinlets.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		POT	2I		
						MD	PK					
210.31	218.68	8.37	GRD	MG	Alternating patches of phyllic and argillic alteration related to crosscutting, variably spaced quartz-carbonate-pyrite veins and veinlets. Cut by two minor gouge sections. This is part of the hanging wall alteration around the Stroshein vein zone. Disseminated pyrite throughout groundmass.							
						LT	PK	PA	PHC	4I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	MO	ARG	3I	Py	1
						LT	GN		POT	2I		
									CLY	1I		
218.68	219.13	0.45	VEN	MG	Stroshein vein. Gouge development along upper margin. The first 18 cm of the vein is a smoky quartz breccia, dominated by matrix. Clasts are white quartz-pyrite veins and phyllic granodiorite with fine disseminated pyrite. Next 15 cm are approximately 2 cm bands of white-cream crustiform quartz-carbonate, massive/intergrown pyrite and chalcopyrite, and a band of massive blackjack sphalerite with blebby arsenopyrite and galena.							
						MD	BR	BN			Cp	3
						LT	WH	MA			Sp	3
						DK	BK	BX			Py	15
											As	1
											Gn	1
219.13	220.57	1.44	GRD	MG	Footwall phyllic altered halo around the Stroshein vein. Cut by massive white quartz-pyrite veins.							
						LT	GN		PHC	3I	Py	1
											Py	1
220.57	224.64	4.07	GRD	MG	Fresh granodiorite, cut by an aplite dyklet, with patchy propylitic and potassic alteration.							
						MD	GN	PA	PRO	2I		
						MD	PK					
						MD	GY		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.03	23.47	21.44	GRD	MG	Granodiorite with patchy argillic alteration around faults/fractures. Oxidization is pervasive in argillic altered areas, and fracture-limited in fresher granodiorite. Cut by occasional quartz-carbonate-pyrite veining.							
						MD	GY	FR	ARG	3I	Li	2
						MD	BN	RB			Py	0.1
						LT	WH	PA	OXI	3I	Go	2
23.47	25.27	1.80	GRD	MG	Pervasively phyllic-argillic altered granodiorite with clay alteration in the upper section of quartz-pyrite veining. Semi-pervasive oxidization in clay altered area.							
						LT	GY		CLY	2I		
									OXI	2I		
						LT	BN	FR	PHC	4I	Py	1
25.27	50.90	25.63	GRD	MG	Fresh granodiorite with patchy propylitic and potassic alteration, and oxides limited to fractures.							
						LT	PK		OXI	2I		
						MD	GN		POT	2I		
						MD	GY	PA	PRO	2I		
						LT	BN					
50.90	52.16	1.26	GRD	MG	Phyllic, argillic, and oxide altered halo around a massive pyrite vein.							
						LT	GY		OXI	2I		
						LT	GN		ARG	2I		
						MD	BN		PHC	3I	Py	5
52.16	57.45	5.29	GRD	MG	Fresh granodiorite with patchy weak propylitic, potassic, and argillic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		ARG	2I		
						LT	WH		POT	1I		
						MD	PK		OXI	1I		
57.45	62.50	5.05	GRD	MG	Phyllic-argillic halo around quartz-pyrite veins. There is a wide quartz-carbonate-pyrite breccia around 58.3m. Oxide is found on fracture planes.							
						LT	GN	PA	PHC	3I	Py	2
						LT	BN		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
62.50	74.33	11.83	GRD	MG	Fresh granodiorite with occasional patches of phyllic-argillic alteration in halos around rare quartz-pyrite veins. Patches of propylitic and potassic alteration are common.							
						MD	GY		PRO	2I		
						LT	PK					
						MD	GN		POT	1I		
74.33	79.86	5.53	GRD	MG	Wide inner phyllic and outer argillic halo around a smoky quartz breccia and quartz-pyrite veining. Fine disseminated pyrite is found in phyllic granodiorite.							
						LT	GN		PHC	4I	Py	5
						LT	WH		ARG	3I	Cp	1
79.86	89.85	9.99	GRD	MG	Fresh granodiorite with occasional patches of phyllic-argillic alteration in halos around rare quartz-pyrite veins. Patches of propylitic and potassic alteration are common.							
						MD	GN		POT	1I		
						MD	GY	PA	PRO	2I		
						LT	PK					
89.85	95.40	5.55	GRD	MG	Wide inner phyllic and outer argillic halo around quartz-pyrite veining. Fine disseminated pyrite is found in phyllic granodiorite. Oxide staining on fractures.							
						LT	BN					
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I		
95.40	130.68	35.28	GRD	MG	Relatively fresh granodiorite with patchy propylitic and potassic alteration. This is cut by few quartz-pyrite veins with narrow phyllic halos.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
						MD	GY	PA	PHC	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
130.68	137.90	7.22	GRD	MG	Fractured, oxide-stained, partially healed argillic granodiorite. Extensive fracturing lead to pervasive oxide staining. This interval is unusual, in that it is partially healed by coarse crystalline glassy calcite. Crystals are elongated rhombs, averaging 1.5cm long. They are accompanied by blebby pyrite. Granodiorite has undergone overprinting argillic, phyllic, and propylitic alterations.							
						LT	GN		OXI	3I		
						LT	GY	RB	ARG	3I		
						MD	GY	FR	PRO	3I		
						MD	BN	BX	PHC	3I	Ca	5
137.90	144.58	6.68	GRD	MG	Patchily phyllic altered granodiorite with weak oxide on fractures. Cut by few quartz-pyrite veins.							
						LT	BN					
						LT	GN		OXI	2I		
						MD	GY	PA	PHC	3I	Py	1
144.58	145.02	0.44	VEN	MG	White-smoky quartz-carbonate vein breccia. The outer selvedges are dominated by white massive quartz. 11.5cm is massive pyrite and chalcopyrite surrounded by white quartz-carbonate with crustiform textures. Massive pyrite has discontinuous blackjack sphalerite and blebby galena. The next 20cm is white quartz-carbonate matrix is clasts of smoky quartz-pyrite veining. Smoky quartz hosts blebby pyrite and galena.							
						LT	WH	BX	OXI	2I	Py	5
						DK	GY				Cp	2
						MD	BR				Gn	1
						MD	BN				Sp	2
145.02	210.31	65.29	GRD	MG	Patchily phyllic altered granodiorite with weak oxide on fractures. Cut by few quartz-pyrite veins.							
						MD	GY	PA	PHC	2I	Py	1
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
210.31	218.68	8.37	GRD	MG	Alternating patches of phyllic and argillic alteration related to crosscutting, variably spaced quartz-carbonate-pyrite veins and veinlets. Cut by two minor gouge sections. This is part of the hanging wall alteration around the Stroshein vein zone. Disseminated pyrite throughout groundmass.							
						LT	WH	MO	ARG	3I	Py	1
						LT	GN		POT	2I		
						LT	PK	PA	PHC	4I	Py	1
									CLY	1I		
218.68	219.13	0.45	VEN	MG	Stroshein vein. Gouge development along upper margin. The first 18 cm of the vein is a smoky quartz breccia, dominated by matrix. Clasts are white quartz-pyrite veins and phyllic granodiorite with fine disseminated pyrite. Next 15 cm are approximately 2 cm bands of white-cream crustiform quartz-carbonate, massive/intergrown pyrite and chalcopyrite, and a band of massive blackjack sphalerite with blebby arsenopyrite and galena.							
											Gn	1
						LT	WH	MA			Sp	3
						MD	BR	BN			Cp	3
						DK	BK	BX			Py	15
											As	1
219.13	220.57	1.44	GRD	MG	Footwall phyllic altered halo around the Stroshein vein. Cut by massive white quartz-pyrite veins.							
						LT	GN		PHC	3I	Py	1
											Py	1
220.57	224.64	4.07	GRD	MG	Fresh granodiorite, cut by an aplite dyklet, with patchy propylitic and potassic alteration. EOH							
						MD	GN	PA	PRO	2I		
						MD	GY		POT	1I		
						MD	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.03	2.03	0	0	0.00	0	--	--	--	Cased
2.03	2.13	0.10	0.1	100	0.00	0	--	3H	5W	
2.13	5.18	3.05	1.29	42	0.31	10	--	1H	5W	
5.18	8.23	3.05	1.39	46	0.00	0	--	1H	5W	
8.23	11.28	3.05	2.8	92	1.09	36	--	2H	4W	
11.28	14.33	3.05	2.73	90	1.26	41	--	3H	4W	
14.33	17.37	3.04	2.98	98	0.84	28	--	2H	4W	
17.37	20.42	3.05	3.03	99	2.30	75	--	3H	3W	
20.42	23.47	3.05	3.04	100	0.88	29	--	2H	4W	
23.47	26.52	3.05	3	98	1.20	39	--	3H	2W	
26.52	29.57	3.05	3.04	100	1.40	46	--	3H	2W	
29.57	32.61	3.04	3.04	100	2.69	88	--	4H	2W	
32.61	35.66	3.05	3.05	100	2.44	80	--	4H	2W	
35.66	38.71	3.05	3.05	100	1.80	59	--	4H	2W	
38.71	41.76	3.05	3.04	100	1.76	58	--	4H	1W	
41.76	44.81	3.05	3.05	100	1.84	60	--	4H	1W	
44.81	47.85	3.04	3.04	100	2.85	94	--	4H	1W	
47.85	50.90	3.05	3.04	100	2.14	70	--	4H	2W	
50.90	53.95	3.05	3.04	100	2.02	66	--	3H	2W	
53.95	57.00	3.05	3.04	100	1.83	60	--	3H	2W	
57.00	60.05	3.05	3.05	100	1.37	45	--	3H	2W	
60.05	63.09	3.04	3.04	100	1.74	57	--	3H	1W	
63.09	66.14	3.05	3.05	100	2.23	73	--	4H	1W	
66.14	69.19	3.05	2.84	93	2.84	93	--	4H	1W	
69.19	72.24	3.05	3	98	2.90	95	--	4H	1W	
72.24	75.29	3.05	2.84	93	2.59	85	--	3H	1W	
75.29	78.33	3.04	2.96	97	2.26	74	--	3H	1W	
78.33	81.38	3.05	2.97	97	2.71	89	--	3H	1W	
81.38	84.43	3.05	3.05	100	2.76	90	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	2.31	76	--	5H	1W	
87.48	90.53	3.05	3.05	100	2.73	90	--	5H	1W	
90.53	93.57	3.04	3.04	100	2.57	85	--	4H	1W	
93.57	96.62	3.05	3.03	99	2.37	78	--	4H	3W	
96.62	99.67	3.05	3.05	100	2.44	80	--	5H	1W	
99.67	102.72	3.05	3.04	100	2.32	76	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.56	84	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.67	88	--	5H	1W	
108.81	111.86	3.05	3.05	100	2.39	78	--	5H	1W	
111.86	114.91	3.05	3.05	100	2.78	91	--	4H	1W	
114.91	117.96	3.05	3.04	100	2.31	76	--	5H	1W	
117.96	121.01	3.05	3.05	100	2.33	76	--	4H	1W	
121.01	124.05	3.04	3.04	100	2.77	91	--	4H	1W	
124.05	127.10	3.05	3.03	99	2.50	82	--	5H	1W	
127.10	130.15	3.05	3.05	100	2.49	82	--	5H	1W	
130.15	133.20	3.05	2.96	97	1.42	47	--	4H	2W	
133.20	136.25	3.05	3	98	0.55	18	--	2H	4W	
136.25	139.29	3.04	2.99	98	1.04	34	--	2H	4W	
139.29	142.34	3.05	2.99	98	1.48	49	--	4H	3W	
142.34	145.39	3.05	3.05	100	1.72	56	--	3H	3W	
145.39	148.44	3.05	3.05	100	2.14	70	--	3H	1W	
148.44	151.49	3.05	2.79	91	2.17	71	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.25	74	--	4H	1W	
154.53	157.58	3.05	2.98	98	1.87	61	--	4H	1W	
157.58	160.63	3.05	3.04	100	1.97	65	--	4H	2W	
160.63	163.68	3.05	3.04	100	2.45	80	--	4H	1W	
163.68	166.73	3.05	3.01	99	1.99	65	--	4H	2W	
166.73	169.77	3.04	3	99	2.43	80	--	4H	2W	
169.77	172.82	3.05	2.85	93	2.54	83	--	4H	2W	
172.82	175.87	3.05	3.02	99	2.44	80	--	4H	1W	
175.87	178.92	3.05	3.04	100	2.29	75	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	3.05	100	2.84	93	--	4H	1W	
181.97	185.01	3.04	3.03	100	2.92	96	--	4H	1W	
185.01	188.06	3.05	3.04	100	2.98	98	--	5H	1W	
188.06	191.11	3.05	3.04	100	2.36	77	--	5H	1W	
191.11	194.16	3.05	3.05	100	2.38	78	--	5H	1W	
194.16	197.21	3.05	3.05	100	1.92	63	--	5H	1W	
197.21	200.25	3.04	3.04	100	2.42	80	--	4H	1W	
200.25	203.30	3.05	3.05	100	3.05	100	--	4H	1W	
203.30	206.35	3.05	3.04	100	2.73	90	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.62	86	--	4H	1W	
209.40	212.45	3.05	3.05	100	2.49	82	--	3H	1W	
212.45	215.49	3.04	3.04	100	2.46	81	--	3H	1W	
215.49	218.54	3.05	3.02	99	2.18	71	--	3H	1W	
218.54	221.59	3.05	3.05	100	1.32	43	--	3H	1W	
221.59	224.64	3.05	3.05	100	2.91	95	--	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	1.13	CAS	
3	0	GRD	Rubble. No mag taken
4	0.136	GRD	
5	0.171	GRD	
6	0.183	GRD	
7	0	GRD	Rubble. No mag taken
8	0	GRD	Rubble. No mag taken
9	0.388	GRD	
10	8.76	GRD	
11	11.1	GRD	
12	8.49	GRD	
13	0.225	GRD	
14	0.303	GRD	
15	0.168	GRD	
16	9.74	GRD	
17	0.53	GRD	
18	0.389	GRD	
19	0.743	GRD	
20	10.9	GRD	
21	0.989	GRD	
22	0.331	GRD	
23	0.265	GRD	
24	0.153	GRD	
25	0.452	GRD	
26	15.4	GRD	
27	26.6	GRD	
28	17.5	GRD	
29	18.3	GRD	
30	21.2	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	28.2	GRD	
32	17.1	GRD	
33	15.6	GRD	
34	28.4	GRD	
35	24.3	GRD	
36	27.2	GRD	
37	23.8	GRD	
38	21	GRD	
39	0.413	GRD	
40	0.148	GRD	
41	0.137	GRD	
42	0.596	GRD	
43	0.284	GRD	
44	19.4	GRD	
45	27.4	GRD	
46	0.363	GRD	
47	0.687	GRD	
48	24.7	GRD	
49	20.4	GRD	
50	52	GRD	
51	0.946	GRD	
52	1.67	GRD	
53	10.3	GRD	
54	17.1	GRD	
55	2.84	GRD	
56	16.1	GRD	
57	8.52	GRD	
58	0.199	GRD	
59	0.218	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
60	0.23	GRD	
61	0.28	GRD	
62	0.317	GRD	
63	16	GRD	
64	25.7	GRD	
65	5.06	GRD	
66	0	GRD	Rubble. No mag taken
67	0.749	GRD	
68	22.2	GRD	
69	12.1	GRD	
70	0.703	GRD	
71	5.55	GRD	
72	1.43	GRD	
73	30.9	GRD	
74	6.33	GRD	
75	0.49	GRD	
76	0.547	GRD	
77	0.149	GRD	
78	1.5	GRD	
79	0.307	GRD	
80	0.839	GRD	
81	1.09	GRD	
82	13.3	GRD	
83	37.9	GRD	
84	8.93	GRD	
85	0.733	GRD	
86	19.7	GRD	
87	22.9	GRD	
88	12.9	GRD	
89	6.19	GRD	
90	0.726	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
91	0.378	GRD	
92	0.95	GRD	
93	0.462	GRD	
94	0.343	GRD	
95	0.301	GRD	
96	1.34	GRD	
97	0.728	GRD	
98	0.275	GRD	
99	26.5	GRD	
100	20.8	GRD	
101	22.5	GRD	
102	34.3	GRD	
103	28.7	GRD	
104	21.6	GRD	
105	19.6	GRD	
106	19.2	GRD	
107	26.3	GRD	
108	27	GRD	
109	23.9	GRD	
110	38.3	GRD	
111	36.4	GRD	
112	0.821	GRD	
113	7.8	GRD	
114	0.501	GRD	
115	32.8	GRD	
116	0.381	GRD	
117	24	GRD	
118	25.3	GRD	
119	18.1	GRD	
120	0.436	GRD	
121	261	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	3.26	GRD	
123	0.337	GRD	
124	24.3	GRD	
125	0.524	GRD	
126	15.2	GRD	
127	18	GRD	
128	0.492	GRD	
129	0.127	GRD	
130	0.226	GRD	
131	0.961	GRD	
132	0.368	GRD	
133	0.325	GRD	
134	0.476	GRD	
135	0.345	GRD	
136	0.176	GRD	
137	0.805	GRD	
138	0.876	GRD	
139	0.298	GRD	
140	0.021	GRD	
141	0.256	GRD	
142	0.768	GRD	
143	1.22	GRD	
144	0.247	GRD	
145	0.023	VEN	
146	0.471	GRD	
147	0.018	GRD	
148	0.023	GRD	
149	0.141	GRD	
150	0.209	GRD	
151	0.024	GRD	
152	0.833	GRD	
153	0.455	GRD	
154	0.506	GRD	
155	0.85	GRD	
156	0.723	GRD	
157	0.709	GRD	
158	0.195	GRD	
159	0.436	GRD	
160	0.165	GRD	
161	0.129	GRD	
162	0.204	GRD	
163	0.14	GRD	
164	0.202	GRD	
165	0.162	GRD	
166	0.286	GRD	
167	0.369	GRD	
168	9.48	GRD	
169	1.54	GRD	
170	0.422	GRD	
171	21.3	GRD	
172	0.661	GRD	
173	0.247	GRD	
174	8.89	GRD	
175	0.286	GRD	
176	0.243	GRD	
177	0.244	GRD	
178	0.169	GRD	
179	0.26	GRD	
180	0.115	GRD	
181	0.549	GRD	
182	0.476	GRD	
183	2.68	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
184	32	GRD	
185	0.589	GRD	
186	7.29	GRD	
187	11.4	GRD	
188	23.8	GRD	
189	28	GRD	
190	8.13	GRD	
191	6.81	GRD	
192	19.5	GRD	
193	0.585	GRD	
194	0.197	GRD	
195	0.348	GRD	
196	0.3	GRD	
197	5.096	GRD	
198	0.896	GRD	
199	0.37	GRD	
200	0.671	GRD	
201	0.229	GRD	
202	20.91	GRD	
203	6.627	GRD	
204	0.777	GRD	
205	1.193	GRD	
206	1.921	GRD	
207	2.19	GRD	
208	16.67	GRD	
209	0.239	GRD	
210	6.408	GRD	
211	0.807	GRD	
212	0.336	GRD	
213	0.225	GRD	
214	0.374	GRD	
215	0.425	GRD	
216	0.544	GRD	
217	0.485	GRD	
218	0.394	GRD	
219	0.027	VEN	
220	0.599	GRD	
221	0.314	GRD	
222	0.206	GRD	
223	1.587	GRD	
224	10.7	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R614900	☐	16-095			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614839	☐	16-091		KL-STD3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614848	☐	16-091			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614855	☐	16-093			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614861	☐	16-093		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614867	☐	16-093			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614877	☐	16-093		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614888	☐	16-095		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292805	☐	16-092	High Grade		☑	☐	☐
11.27	12.42	1.15	GRD	1.14	99	R614836	☐	16-091			☐	☐	☐
12.42	13.64	1.22	GRD	0.88	72	R614837	☐	16-091			☐	☐	☐
13.64	15.51	1.87	GRD	1.44	77	R614838	☐	16-091			☐	☐	☐
15.51	17.37	1.86	GRD	1.59	85	R614840	☐	16-091			☐	☐	☐
17.37	18.77	1.40	GRD	1.19	85	R614841	☐	16-091			☐	☐	☐
18.77	20.71	1.94	GRD	1.74	90	R614842	☐	16-091			☐	☐	☐
20.71	23.47	2.76	GRD	2.47	89	R614843	☐	16-091			☐	☐	☐
23.47	25.27	1.80	GRD, GRD	1.79	99	R614844	☐	16-091			☐	☐	☐
25.27	26.52	1.25	GRD, GRD	1.14	91	R614845	☐	16-091			☐	☐	☐
50.00	51.39	1.39	GRD	1.37	99	R614846	☐	16-091			☐	☐	☐
51.39	51.95	0.56	GRD	0.56	100	R614847	☐	16-091			☐	☐	☐
51.95	53.81	1.86	GRD	1.86	100	R614849	☐	16-093			☐	☐	☐
53.81	54.90	1.09	GRD	1.06	97	R614850	☐	16-093			☐	☐	☐
54.90	57.45	2.55	GRD	2.50	98	R614851	☐	16-093			☐	☐	☐
54.90	57.45	2.55	GRD	2.50	98	R614852	☐	16-093			☐	☐	☑
57.45	58.21	0.76	GRD, GRD	0.76	100	R614853	☐	16-093			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
58.21	58.76	0.55	GRD	0.55	100	R614854	☐	16-093			☐	☐	☐
58.76	60.05	1.29	GRD	1.11	86	R614856	☐	16-093			☐	☐	☐
60.05	62.40	2.35	GRD	2.35	100	R614857	☐	16-093			☐	☐	☐
75.29	76.27	0.98	GRD	0.98	100	R614858	☐	16-093			☐	☐	☐
76.27	76.70	0.43	GRD	0.42	98	R614859	☐	16-093			☐	☐	☐
76.70	77.82	1.12	GRD	1.05	94	R614860	☐	16-093			☐	☐	☐
77.82	79.32	1.50	GRD	1.46	97	R614862	☐	16-093			☐	☐	☐
88.45	90.13	1.68	GRD	1.68	100	R614863	☐	16-093			☐	☐	☐
90.13	90.60	0.47	GRD	0.46	98	R614864	☐	16-093			☐	☐	☐
90.60	92.56	1.96	GRD	1.94	99	R614865	☐	16-093			☐	☐	☐
92.56	93.93	1.37	GRD	1.26	92	R614866	☐	16-093			☐	☐	☐
93.93	95.40	1.47	GRD	1.47	100	R614868	☐	16-093			☐	☐	☐
124.38	125.46	1.08	GRD	1.02	94	R614869	☐	16-093			☐	☐	☐
125.46	127.42	1.96	GRD	1.91	97	R614870	☐	16-093			☐	☐	☐
127.42	129.94	2.52	GRD	2.51	100	R614871	☐	16-093			☐	☐	☐
127.42	129.94	2.52	GRD	2.51	100	R614872	☐	16-093			☐	☑	☐
129.94	130.68	0.74	GRD	0.74	100	R614873	☐	16-093			☐	☐	☐
130.68	132.57	1.89	GRD, GRD	1.89	100	R614874	☐	16-093			☐	☐	☐
132.57	134.90	2.33	GRD	1.94	83	R614875	☐	16-093			☐	☐	☐
134.90	136.49	1.59	GRD	1.54	97	R614876	☐	16-093			☐	☐	☐
136.49	137.90	1.41	GRD	1.25	89	R614878	☐	16-093			☐	☐	☐
137.90	138.58	0.68	GRD, GRD	0.62	91	R614879	☐	16-093			☐	☐	☐
138.58	141.58	3.00	GRD	2.91	97	R614880	☐	16-093			☐	☐	☐
141.58	144.58	3.00	GRD	3.00	100	R614881	☐	16-093			☐	☐	☐
144.58	145.02	0.44	GRD, VEN	0.40	91	K292803	☐	16-092	High Grade		☐	☐	☐
145.02	146.76	1.74	GRD, VEN	1.74	100	R614882	☐	16-093			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
153.88	154.91	1.03	GRD	0.97	94	R614883	☐	16-093			☐	☐	☐
154.91	155.80	0.89	GRD	0.88	99	R614884	☐	16-093			☐	☐	☐
155.80	157.12	1.32	GRD	1.21	92	R614885	☐	16-095			☐	☐	☐
157.12	158.40	1.28	GRD	1.27	99	R614886	☐	16-095			☐	☐	☐
158.40	159.60	1.20	GRD	1.17	98	R614887	☐	16-095			☐	☐	☐
159.60	160.63	1.03	GRD	1.02	99	R614889	☐	16-095			☐	☐	☐
176.13	177.03	0.90	GRD	0.90	100	R614890	☐	16-095			☐	☐	☐
177.03	179.81	2.78	GRD	2.68	96	R614891	☐	16-095			☐	☐	☐
192.90	193.64	0.74	GRD	0.72	97	R614892	☐	16-095			☐	☐	☐
193.64	195.30	1.66	GRD	1.64	99	R614893	☐	16-095			☐	☐	☐
193.64	195.30	1.66	GRD	1.64	99	R614894	☐	16-095			☐	☐	☑
195.30	196.05	0.75	GRD	0.70	93	R614895	☐	16-095			☐	☐	☐
196.05	197.21	1.16	GRD	1.15	99	R614896	☐	16-095			☐	☐	☐
211.64	212.95	1.31	GRD	1.31	100	R614897	☐	16-095			☐	☐	☐
212.95	214.77	1.82	GRD	1.82	100	R614898	☐	16-095			☐	☐	☐
214.77	215.87	1.10	GRD	1.08	98	R614899	☐	16-095			☐	☐	☐
215.87	217.58	1.71	GRD	1.56	91	R614901	☐	16-095			☐	☐	☐
217.58	218.15	0.57	GRD	0.56	98	R614902	☐	16-095			☐	☐	☐
218.15	218.68	0.53	GRD	0.53	100	R614903	☐	16-095			☐	☐	☐
218.68	219.13	0.45	GRD, VEN	0.38	84	K292804	☐	16-092	High Grade		☐	☐	☐
219.13	219.83	0.70	VEN, GRD	0.67	96	R614904	☐	16-095			☐	☐	☐
219.83	220.57	0.74	GRD	0.68	92	R614905	☐	16-095			☐	☐	☐

KL-16-332
Stroshein

Sample Results

##########

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	11.27			☐	☐	☐	☐	
16-091	R614839	0.00	0.00	0.77	610	☐	☐	☐	☑ KL-STD3	
16-091	R614848	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-092	K292805	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-095	R614888	0.00	0.00	4.36	840	☐	☐	☐	☑ KL-STD1	
16-095	R614900	0.00	0.00	0.00	80	☐	☐	☑	☐	
16-093	R614855	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-093	R614861	0.00	0.00	0.36	300	☐	☐	☐	☑ KL-STD4	
16-093	R614867	0.00	0.00	0.00	240	☐	☐	☑	☐	
16-093	R614877	0.00	0.00	4.30	120	☐	☐	☐	☑ KL-STD1	
16-091	R614836	11.27	12.42	0.05	2400	☐	☐	☐	☐	
16-091	R614837	12.42	13.64	0.21	1160	☐	☐	☐	☐	
16-091	R614838	13.64	15.51	0.17	1420	☐	☐	☐	☐	
16-091	R614840	15.51	17.37	0.10	2440	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-091	R614841	17.37	18.77	0.07	1180	☐	☐	☐	☐	
16-091	R614842	18.77	20.71	0.02	3010	☐	☐	☐	☐	
16-091	R614843	20.71	23.47	0.29	1840	☐	☐	☐	☐	
16-091	R614844	23.47	25.27	0.47	950	☐	☐	☐	☐	
16-091	R614845	25.27	26.52	0.01	2220	☐	☐	☐	☐	
		26.52	50.00			☐	☐	☐	☐	
16-091	R614846	50.00	51.39	0.07	2090	☐	☐	☐	☐	
16-091	R614847	51.39	51.95	0.75	430	☐	☐	☐	☐	
16-093	R614849	51.95	53.81	0.02	2570	☐	☐	☐	☐	
16-093	R614850	53.81	54.90	0.02	2260	☐	☐	☐	☐	
16-093	R614851	54.90	57.45	0.03	2430	☐	☐	☐	☐	
16-093	R614852	54.90	57.45	0.02	2350	☐	☑	☐	☐	
16-093	R614853	57.45	58.21	0.68	90	☐	☐	☐	☐	
16-093	R614854	58.21	58.76	1.07	140	☐	☐	☐	☐	
16-093	R614856	58.76	60.05	0.07	1070	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-093	R614857	60.05	62.40	0.25	160	☐	☐	☐	☐	
		62.40	75.29			☐	☐	☐	☐	
16-093	R614858	75.29	76.27	0.06	530	☐	☐	☐	☐	
16-093	R614859	76.27	76.70	0.48	40	☐	☐	☐	☐	
16-093	R614860	76.70	77.82	0.35	190	☐	☐	☐	☐	
16-093	R614862	77.82	79.32	0.24	170	☐	☐	☐	☐	
		79.32	88.45			☐	☐	☐	☐	
16-093	R614863	88.45	90.13	0.02	1900	☐	☐	☐	☐	
16-093	R614864	90.13	90.60	0.55	100	☐	☐	☐	☐	
16-093	R614865	90.60	92.56	0.04	1700	☐	☐	☐	☐	
16-093	R614866	92.56	93.93	0.60	100	☐	☐	☐	☐	
16-093	R614868	93.93	95.40	0.42	310	☐	☐	☐	☐	
		95.40	######			☐	☐	☐	☐	
16-093	R614869	124.38	125.46	0.06	80	☐	☐	☐	☐	
16-093	R614870	125.46	127.42	0.02	2450	☐	☐	☐	☐	
16-093	R614871	127.42	129.94	0.73	1360	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-093	R614872	127.42	129.94	0.11	1050	☑	☐	☐	☐	
16-093	R614873	129.94	130.68	0.07	370	☐	☐	☐	☐	
16-093	R614874	130.68	132.57	0.11	280	☐	☐	☐	☐	
16-093	R614875	132.57	134.90	0.23	240	☐	☐	☐	☐	
16-093	R614876	134.90	136.49	0.14	650	☐	☐	☐	☐	
16-093	R614878	136.49	137.90	0.11	580	☐	☐	☐	☐	
16-093	R614879	137.90	138.58	0.80	240	☐	☐	☐	☐	
16-093	R614880	138.58	141.58	0.11	310	☐	☐	☐	☐	
16-093	R614881	141.58	144.58	0.33	310	☐	☐	☐	☐	
16-092	K292803	144.58	145.02	4.03	130	☐	☐	☐	☐	
16-093	R614882	145.02	146.76	0.20	390	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-093	R614883	153.88	154.91	0.07	830	☐	☐	☐	☐	
16-093	R614884	154.91	155.80	1.88	360	☐	☐	☐	☐	
16-095	R614885	155.80	157.12	1.08	1090	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-095	R614886	157.12	158.40	0.11	1000	☐	☐	☐	☐	
16-095	R614887	158.40	159.60	0.27	430	☐	☐	☐	☐	
16-095	R614889	159.60	160.63	0.05	770	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-095	R614890	176.13	177.03	0.36	310	☐	☐	☐	☐	
16-095	R614891	177.03	179.81	0.29	850	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-095	R614892	192.90	193.64	0.04	1620	☐	☐	☐	☐	
16-095	R614893	193.64	195.30	0.06	1000	☐	☐	☐	☐	
16-095	R614894	193.64	195.30	0.06	980	☐	☑	☐	☐	
16-095	R614895	195.30	196.05	0.68	680	☐	☐	☐	☐	
16-095	R614896	196.05	197.21	0.02	2510	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-095	R614897	211.64	212.95	0.02	400	☐	☐	☐	☐	
16-095	R614898	212.95	214.77	0.27	1210	☐	☐	☐	☐	
16-095	R614899	214.77	215.87	0.18	780	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-095	R614901	215.87	217.58	0.14	1190	☐	☐	☐	☐	
16-095	R614902	217.58	218.15	0.10	1160	☐	☐	☐	☐	
16-095	R614903	218.15	218.68	0.11	350	☐	☐	☐	☐	
16-092	K292804	218.68	219.13	1.74	120	☐	☐	☐	☐	
16-095	R614904	219.13	219.83	0.07	360	☐	☐	☐	☐	
16-095	R614905	219.83	220.57	0.08	1350	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
12.54	13.45	VN	37	50	NUL	3	Quartz-carbonate-pyrite veins with intense oxide staining.			
								Py	1	BL
17.51	18.77	VN	37	50	NUL	4	Massive quartz veins with blebby pyrite.			
								Py	2	BL
23.57	24.80	VT	37	65	NUL	31	1-3mm wide quartz-pyrite veinlets with material removal.			
								Py	1	BL
29.70	29.72	VN	37	70	NUL	1	White-grey banded quartz vein hosting blebby pyrite.			
								Py	1	BL
46.96	47.00	VN	37	50	NUL	1	Banded white-grey-smoky quartz-carbonate vein hosting blebby pyrite.			
								Py	2	BL
51.39	51.59	VN	37	70	NUL	1	Quartz-pyrite vein with pervsive oxide staining.			
								Py	40	BL
57.89	57.95	VN	37	45	NUL	1	Vein with thick bands of massive quartz and a central band of massive pyrite.			
								Py	30	MA
61.11	61.17	VN	37	60	NUL	2	Massive white quartz veins with central bands of massive pyrite.			
								Py	25	MA
66.00	66.36	FT	42	60	NUL	1	Oxidized fault with limited gouge and significant crumbling.			
74.42	74.45	VN	37	60	NUL	1	Massive quartz-pyrite vein.			
								Py	50	MA
76.27	76.70	BX	34	70	NUL	1	Smoky quartz breccia with clasts of quartz-carbonate-pyrite veins. Smoky quartz matrix hosts blebby pyrite, galena, and arsenopyrite.			
								Gn	0.5	BL
								Py	8	BL
								As	0.5	BL
77.11	79.86	VN	37	70	NUL	11	Massive white quartz-pyrite veins.			
								Py	20	MA

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
90.16	90.59	VN	37	50	NUL	3	Banded quartz-carbonate veins with central bands of white quartz carbonate and margins of smoky quartz. White quartz-carbonate hosts blebby pyrite. Smoky quartz hosts blebby pyrite, blackjack sphalerite, galena, and arsenopyrite.			
								Sp	5	BL
								As	1	BL
								Gn	0.5	BL
								Py	15	BL
92.58	92.63	VN	37	75	NUL	1	Massive white quartz vein with a 1.5cm lower selvedge of crustiform oxide-stained quartz-carbonate. White massive quartz hosts blebby pyrite and chalcopyrite. The crustiform quartz-carbonate hosts blebby galena and honey brown sphalerite.			
								Gn	1	BL
								Cp	4	BL
								Py	6	BL
								Sp	2	BL
93.25	93.93	VN	37	30	NUL	1	White massive quartz vein hosting blebby pyrite. Vein is fractured and oxide stained.			
								Py	2	BL
96.74	98.44	VT	37	45	NUL	15	White quartz-pyrite veinlets.			
								Py	25	BL
109.33	113.41	VN	37	20	NUL	3	Quartz veins carrying epidote and hematite with blebby pyrite.			
								Py	5	BL
								Ep	15	MA
								He	15	BL
120.48	121.01	VN	37	15	NUL	1	White massive quartz vein hosts blebby pyrite, hematite, epidote, and magnetite.			
								Mg	5	BL
								Ep	5	BL
								Py	5	BL
								He	5	BL
125.29	125.35	VN	37	70	NUL	1	Massive pyrite vein.			
								Py	80	MA
132.57	134.90	BX	34	-	NUL	1	Wide, fractured, pervasively oxide-stained phyllic-argillic granodiorite cemented by coarse crystalline calcite. Blebby pyrite is also found adjacent to calcite matrix.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	2	BL
								Ca	10	XL
138.37	138.49	VB	37	-	NUL	1	Crustiform white-pink quartz-carbonate-rhodochrosite brecciate phyllic altered granodiorite. Limited smoky quartz among quartz-carbonate hosts blebby pyrite and chalcopyrite.			
								Cp	1	BL
								Py	3	BL
144.58	145.02	VB	37	50	NUL	1	White-smoky quartz-carbonate vein breccia. The outer selvedges are dominated by white massive quartz. 11.5cm is massive pyrite and chalcopyrite surrounded by white quartz-carbonate with crustiform textures. Massive pyrite has discontinuous blackjack sphalerite and blebby galena. The next 20cm is white quartz-carbonate matrix is clasts of smoky quartz-pyrite veining. Smoky quartz hosts blebby pyrite and galena.			
								Py	5	MA
								Cp	2	BL
								Gn	1	BL
								Sp	2	BL
147.64	148.89	VT	37	60	NUL	5	White quartz-pyrite veinlets.			
								Py	5	BL
154.89	155.08	VN	37	55	NUL	1	Banded white carbonate and smoky quartz vein hosting blebby pyrite, galena, blackjack sphalerite, and fine chalcopyrite.			
								Py	2	BL
								Gn	5	BL
								Cp	1	BL
								Sp	2	BL
166.82	167.06	VT	37	60	NUL	6	Thin pyrite veinlets.			
								Py	5	BL
176.71	176.77	VN	37	80	NUL	1	Pyrite vein that has been crumbled and clay altered.			
								Py	50	MA
193.05	193.47	DY	37	30	NUL	3	Pink aplite dykelets.			
211.73	211.79	GO	34	65	NUL	1	Clay gouged quartz vein.			
								Py	1	DI
213.47	213.85	VN	37	75	NUL	4	White quartz-carbonate-pyrite veins.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	BL
213.85	215.87	GO	34	50	NUL	2	Clay gouged quartz-carbonate-pyrite veins.			
								Py	3	DI
218.63	218.68	GO	34	75	NUL	1	Dark grey pyritic gouge.			
								Py	10	DI
218.68	219.13	VN	37	70	NUL	1	Stroshein vein. Gouge development along upper margin. The first 18 cm of the vein is a smoky quartz breccia, dominated by matrix. Clasts are white quartz-pyrite veins and phyllic granodiorite with fine disseminated pyrite. Next 15 cm are approximately 2 cm bands of white-cream crustiform quartz-carbonate, massive/intergrown pyrite and chalcopyrite, and a band of massive blackjack sphalerite with blebby arsenopyrite and galena.			
								Gn	1	BL
								Sp	3	MA
								Py	15	MA
								As	1	BL
								Cp	3	MA
219.54	219.75	VN	37	70	NUL	5	White massive quartz pyrite veins.			
								Py	8	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383155	6889302	1435.57	233.78

ZONE: Stroshein

SECTION:

HOLE: KL-16-333

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth:

Drilling Dates: Jul 31 - Aug 01, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	36	-50	Reflex
233.78	40.7	-50.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.68	1.68	CAS
1.68	38.71	37.03	GRD
38.71	124.74	86.03	GRD
124.74	128.47	3.73	QFP
128.47	151.75	23.28	GRD
151.75	178.35	26.6	GRD
178.35	183.41	5.06	GRD
183.41	183.65	0.24	VEN
183.65	194.69	11.04	GRD
194.69	195.16	0.47	VEN
195.16	230.3	35.14	GRD
230.3	233.78	3.48	GRD

SAMPLES	
Numbers:	K292813 to K292817, R614906 to R615018
Total:	118
Batch:	092, 095, 097, 098, 102
Certificates:	VA16129499, VA16129508, VA16129511, VA16129512, VA16129515

COMMENTS
Stroshein zone is at 195 m.

Box Log

KL-16-333

Klaza
Stroshein Zone

Archer, Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.68	5.36
2	5.36	9.53
3	9.53	13.58
4	13.58	17.51
5	17.51	21.37
6	21.37	25.17
7	25.17	29.26
8	29.26	32.61
9	32.61	36.3
10	36.3	40.2
11	40.2	44.7
12	44.7	48.7
13	48.7	52.68
14	52.68	56.82
15	56.82	60.63
16	60.63	64.89
17	64.89	69.19
18	69.19	73.31
19	73.31	77.13
20	77.13	81.53
21	81.53	85.81
22	85.81	90.08
23	90.08	94.04
24	94.04	98.32
25	98.32	102.56
26	102.56	106.44
27	106.44	110.7
28	110.7	114.9
29	114.9	119.3
30	119.3	123.63
31	123.63	127.91
32	127.91	132.09
33	132.09	136.13
34	136.13	140.38
35	140.38	144
36	144	148.3
37	148.3	152.05
38	152.05	156.12
39	156.12	160.37
40	160.37	164.52
41	164.52	168.77
42	168.77	172.88
43	172.88	177.08
44	177.08	181.13
45	181.13	185.21
46	185.21	189.1
47	189.1	193.08
48	193.08	197.12
49	197.12	201.35
50	201.35	205.48
51	205.48	209.65
52	209.65	213.7
53	213.7	218.02
54	218.02	222.29
55	222.29	226.67
56	226.67	230.8
57	230.8	233.78

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-333									
	78.58	14	NQ2	GRD	856.6	555.5	2.88	2.8	Vuggy crustiform quartz carbonate rhodocrosite vein with minor blebby pyrite in lower selvedge, hosted in granodiorite.
	127.91	17	NQ2	QFP	1030.6	671.9	2.85	2.9	Moderate hydrothermally altered light green quartz feldspar porphyry dyke with minor pyrite veinlets

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.68	38.71	37.03	GRD	MG	Intensely fractured argillic-propylitic-phyllic altered granodiorite with moderate-strong oxide on fracture surfaces. Alteration is related to thin crosscutting quartz-pyrite veinlets and quartz-carbonate veinlets. Some rubbly sections are strongly phyllic granodiorite with crumbled massive pyrite. There are fragments of weathered sulphide-bearing veining with goethite.							
						MD	BN	RB	PHC	3I	Py	1
						MD	GY	FR	ARG	3I		
						LT	GN	PB	OXI	3I		
								PA	CLY	2I		
38.71	124.74	86.03	GRD	MG	Strong-moderately phyllic altered granodiorite with frequent fracturing and quartz-pyrite veining. Oxide staining is semi-pervasive stemming outward from fractures and veins. Some areas of strong phyllic alteration have sericite. Patches of pervasive clay alteration lead to softening of competent core.							
						MD	BN	RB	OXI	2I		
						LT	GY	PA	PHC	4I	Py	3
						LT	WH	FR	ARG	3I		
						LT	GN		CLY	2I		
124.74	128.47	3.73	QFP	FG	Quartz feldspar porphyry dyke with pervasive strong phyllic and moderate hydrothermal alteration obliterating primary textures. Recovery is medium grey-light green. Cut by frequent quartz-pyrite veining, some of which contains blebby blackjack sphalerite Dyke is chilled at margins. Oxide staining on fractures.							
						MD	GY	PO	HYD	3I	Py	1
						LT	GN		PHC	4I	Py	2
									SIL	2I	Sp	0.5
									OXI	2I		
128.47	131.64	3.17	GRD	MG	Fresh to argillic altered granodiorite cut by a low angle fault plane. Rubbly, fractured, and oxide stained recovery.							
						MD	GY	FR	ARG	3I		
						LT	WH	RB	OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN					
131.64	140.38	8.74	GRD	MG	Fresher granodiorite cut by quartz-pyrite veining with phyllic to argillic halos. Weak oxide on fracture surfaces.							
						MD	GY	PA	PHC	3I	Py	1
						LT	GN		OXI	1I		
140.38	142.74	2.36	FLT	FG	Granodiorite cut by a wide fault with strong pervasive oxide and clay gouge. Cut by quartz-pyrite veining that is now crumbled. Recovery is intensely fractured.							
						MD	GY	RB	ARG	3I		
						MD	BN	FR	CLY	4I	Py	1
142.74	151.75	9.01	GRD	MG	Fractured, rubbly granodiorite with semi-pervasive strong phyllic-argillic vein envelopes on quartz-pyrite veining. Veining tends to be low angle and is present through most recovery.							
						MD	GY	FR				
						LT	GY	PA	ARG	3I	Py	5
						LT	GN	MO	PHC	4I		
								RB				
151.75	178.35	26.60	GRD	MG	Fresh granodiorite with patchy propylitic and potassic alteration. Occasionally cut by quartz-pyrite veining with narrow phyllic halos.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		POT	2I		
						MD	PK		PHC	1I		
178.35	183.41	5.06	GRD	MG	Wide phyllic to argillic envelopes around quartz-pyrite veins and veinlets.							
						MD	GY					
						LT	GN	PA	PHC	3I	Py	3
						LT	GY	EN	ARG	3I		
183.41	183.65	0.24	VEN	CG	Wide vein of Massive white quartz hosting large blebby-massive pyrite intergrown with chalcopyrite. This vein is cut by crustiform white-tan carbonate and ankerite with limited rhodochrosite. This quartz-carbonate veining introduces blebby blackjack sphalerite, arsenopyrite, and galena.							
						MD	BR				Gn	2
						LT	WH	BN			Py	15
						DK	BK				Cp	8
											Sp	6

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											As	2
183.65	194.69	11.04	GRD	MG	Wide phyllic to argillic envelopes around quartz-pyrite veins and veinlets. A fault is present at 186 m.							
						MD	GY	PA	PHC	3I	Py	5
						MD	GN		POT	1I		
						LT	GY	EN	ARG	3I	Gn	0.5
						LT	GN		PRO	2I	Cp	0.5
194.69	195.16	0.47	VEN	CG	Stroshein vein. Main vein is white massive quartz with 1-3 cm bands of sulphides and smoky quartz. White quartz hosts blebby pyrite and chalcopyrite. Smoky quartz hosts finer blebby pyrite, arsenopyrite, blackjack sphalerite, and galena. Later stage carbonates seem to also be related to blackjack sphalerite and galena.							
						MD	BR	MA			Cp	8
						LT	WH	BN			Py	15
						DK	BN				As	5
						DK	BK				Sp	12
											Gn	2
195.16	207.11	11.95	GRD	MG	Patches of phyllic to argillic envelopes around quartz-pyrite veins and veinlets. Some veins host chalcopyrite, blackjack sphalerite, trace galena, and trace arsenopyrite.							
						MD	GN				Cp	0.5
						MD	GY		POT	1I	As	0.1
						LT	WH	PA	ARG	3I	Py	2
						LT	PK	EN	PHC	3I	Sp	0.5
						LT	GN		PRO	1I	Gn	0.1
207.11	209.78	2.67	GRD	MG	Fresher granodiorite with patches of propylitic and potassic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						MD	PK					
209.78	230.30	20.52	GRD	MG	Patches of phyllic to argillic envelopes around quartz-pyrite veins and veinlets. Some veins host chalcopyrite, blackjack sphalerite, trace galena, and trace arsenopyrite.							
						MD	GY		POT	1I	Gn	0.1
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	3I	Py	2
						LT	PK	EN	PHC	3I	Sp	0.1
						LT	GN		PRO	1I	As	0.1
230.30	233.78	3.48	GRD	MG	Fresher granodiorite with patches of weak propylitic and potassic alteration. EOH							
						MD	GY	PA	PRO	2I		
						MD	PK					
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.68	38.71	37.03	GRD	MG	Intensely fractured argillic-propylitic-phyllic altered granodiorite with moderate-strong oxide on fracture surfaces. Alteration is related to thin crosscutting quartz-pyrite veinlets and quartz-carbonate veinlets. Some rubbly sections are strongly phyllic granodiorite with crumbled massive pyrite. There are fragments of weathered sulphide-bearing veining with goethite.							
						MD	BN	RB	PHC	3I	Py	1
						MD	GY	FR	ARG	3I		
						LT	GN	PB	OXI	3I		
								PA	CLY	2I		
38.71	124.74	86.03	GRD	MG	Strong-moderately phyllic altered granodiorite with frequent fracturing and quartz-pyrite veining. Oxide staining is semi-pervasive stemming outward from fractures and veins. Some areas of strong phyllic alteration have sericite. Patches of pervasive clay alteration lead to softening of competent core.							
						MD	BN	RB	OXI	2I		
						LT	GN		CLY	2I		
						LT	WH	FR	ARG	3I		
						LT	GY	PA	PHC	4I	Py	3
124.74	128.47	3.73	QFP	FG	Quartz feldspar porphyry dyke with pervasive strong phyllic and moderate hydrothermal alteration obliterating primary textures. Recovery is medium grey-light green. Cut by frequent quartz-pyrite veining, some of which contains blebby blackjack sphalerite Dyke is chilled at margins. Oxide staining on fractures.							
						LT	GN		PHC	4I	Py	2
									SIL	2I	Sp	0.5
									OXI	2I		
						MD	GY	PO	HYD	3I	Py	1
128.47	151.75	23.28	GRD	MG	Alternating patches of fresher granodiorite and patchy phyllic-argillic alteration around quartz-pyrite veining. Occasional rubbly, fractured, faulted sections. Oxide stainig is found on fractures, but are much less frequent below 144 m depth. Occasional patches of propylitic and potassic overprinting.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						MD	GN		OXI	1I		
						MD	GY	PA	PRO	2I	Py	1
						LT	GN	RB	POT	2I		
						LT	WH	FR	PHC	3I		
						LT	BN		ARG	2I		
151.75	178.35	26.60	GRD	MG	Fresh granodiorite with patchy propylitic and potassic alteration. Occasionally cut by quartz-pyrite veining with narrow phyllic halos.							
						MD	GN		POT	2I		
						MD	PK		PHC	1I		
						MD	GY	PA	PRO	2I	Py	0.1
178.35	183.41	5.06	GRD	MG	Wide phyllic to argillic envelopes around quartz-pyrite veins and veinlets in granodiorite.							
						LT	GN	PA	PHC	3I	Py	3
						LT	GY	EN	ARG	3I		
						MD	GY					
183.41	183.65	0.24	VEN	CG	Wide vein of Massive white quartz hosting large blebby-massive pyrite intergrown with chalcopyrite. This vein is cut by crustiform white-tan carbonate and ankerite with limited rhodochrosite. This quartz-carbonate veining introduces blebby blackjack sphalerite, arsenopyrite, and galena.							
											Sp	6
						DK	BK				Cp	8
						MD	BR				Gn	2
						LT	WH	BN			Py	15
											As	2
183.65	194.69	11.04	GRD	MG	Wide phyllic to argillic envelopes around quartz-pyrite veins and veinlets. A fault is present at 186 m.							
						MD	GN		POT	1I		
						LT	GY	EN	ARG	3I	Gn	0.5
						MD	GY	PA	PHC	3I	Py	5
						LT	GN		PRO	2I	Cp	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
194.69	195.16	0.47	VEN	CG	Stroshein vein. Main vein is white massive quartz with 1-3 cm bands of sulphides and smoky quartz. White quartz hosts blebby pyrite and chalcopyrite. Smoky quartz hosts finer blebby pyrite, arsenopyrite, blackjack sphalerite, and galena. Later stage carbonates seem to also be related to blackjack sphalerite and galena.							
						DK	BN				As	5
						DK	BK				Sp	12
						MD	BR	MA			Cp	8
						LT	WH	BN			Py	15
											Gn	2
195.16	230.30	35.14	GRD	MG	Patches of phyllic to argillic envelopes around quartz-pyrite veins and veinlets. Some veins host chalcopyrite, blackjack sphalerite, trace galena, and trace arsenopyrite.							
						LT	PK	EN	PHC	3I	Sp	0.5
						LT	GN		PRO	1I	Gn	0.1
						LT	WH	PA	ARG	3I	Py	2
						MD	GY		POT	1I	As	0.1
						MD	GN				Cp	0.5
230.30	233.78	3.48	GRD	MG	Fresher granodiorite with patches of weak propylitic and potassic alteration. EOH							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						MD	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.68	1.68	0	0	0.00	0	--	--	--	
1.68	2.13	0.45	0.3	67	0.00	0	--	1H	5W	
2.13	5.18	3.05	2.01	66	0.23	8	--	2H	5W	
5.18	8.23	3.05	2.54	83	0.85	28	--	3H	3W	
8.23	11.28	3.05	2.56	84	0.40	13	--	2H	5W	
11.28	14.33	3.05	2.5	82	0.42	14	--	2H	5W	
14.33	17.37	3.04	2.77	91	1.00	33	--	3H	3W	
17.37	20.42	3.05	3.05	100	1.79	59	--	3H	3W	
20.42	23.47	3.05	2.57	84	0.29	10	--	2H	4W	
23.47	26.52	3.05	2.63	86	0.00	0	--	2H	4W	
26.52	29.57	3.05	2.52	83	0.79	26	--	1H	4W	
29.57	32.61	3.04	2.57	85	0.00	0	--	1H	5W	
32.61	35.66	3.05	2.89	95	1.12	37	--	2H	4W	
35.66	38.71	3.05	2.87	94	0.92	30	--	1H	3W	
38.71	41.76	3.05	2.95	97	2.09	69	--	2H	2W	
41.76	44.81	3.05	2.97	97	1.74	57	--	2H	2W	
44.81	47.85	3.04	2.75	90	0.98	32	--	2H	2W	
47.85	50.90	3.05	3.05	100	1.04	34	--	1H	1W	
50.90	53.95	3.05	2.96	97	2.45	80	--	1H	2W	
53.95	57.00	3.05	3.02	99	1.14	37	--	2H	2W	
57.00	60.05	3.05	2.85	93	1.97	65	--	3H	2W	
60.05	63.09	3.04	2.95	97	2.15	71	--	3H	1W	
63.09	66.14	3.05	3.05	100	1.75	57	--	3H	1W	
66.14	69.19	3.05	2.93	96	1.65	54	--	2H	1W	
69.19	72.24	3.05	2.94	96	1.86	61	--	3H	1W	
72.24	75.29	3.05	2.95	97	0.69	23	--	2H	1W	
75.29	78.33	3.04	2.93	96	1.75	58	--	2H	1W	
78.33	81.38	3.05	3.02	99	1.91	63	--	3H	1W	
81.38	84.43	3.05	3.01	99	0.83	27	--	1H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	2.89	95	1.03	34	--	1H	1W	
87.48	90.53	3.05	2.93	96	1.31	43	--	2H	1W	
90.53	93.57	3.04	2.96	97	1.73	57	--	2H	1W	
93.57	96.62	3.05	2.87	94	1.71	56	--	3H	1W	
96.62	99.67	3.05	2.87	94	1.71	56	--	1H	1W	
99.67	102.72	3.05	2.98	98	1.42	47	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.32	76	--	3H	1W	
105.77	108.81	3.04	3.04	100	1.30	43	--	3H	1W	
108.81	111.86	3.05	2.95	97	1.45	48	--	4H	1W	
111.86	114.91	3.05	3.04	100	2.86	94	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.23	73	--	3H	2W	
117.96	121.01	3.05	3.05	100	2.23	73	--	4H	2W	
121.01	124.05	3.04	3.04	100	2.39	79	--	4H	2W	
124.05	127.10	3.05	3.04	100	2.22	73	--	5H	2W	
127.10	130.15	3.05	3.05	100	2.04	67	--	5H	1W	
130.15	133.20	3.05	2.97	97	1.32	43	--	2H	3W	
133.20	136.25	3.05	3.03	99	2.04	67	--	5H	1W	
136.25	139.29	3.04	3.02	99	2.26	74	--	5H	1W	
139.29	142.34	3.05	2.83	93	1.26	41	--	2H	4W	
142.34	145.39	3.05	2.85	93	0.91	30	--	3H	2W	
145.39	148.44	3.05	2.91	95	1.40	46	--	3H	1W	
148.44	151.49	3.05	3.01	99	0.55	18	--	3H	1W	
151.49	154.53	3.04	3.02	99	2.97	98	--	3H	1W	
154.53	157.58	3.05	3.05	100	1.97	65	--	3H	1W	
157.58	160.63	3.05	3.04	100	2.07	68	--	3H	1W	
160.63	163.68	3.05	3.05	100	1.89	62	--	3H	1W	
163.68	166.73	3.05	3.05	100	2.22	73	--	3H	1W	
166.73	169.77	3.04	3.04	100	1.90	63	--	3H	1W	
169.77	172.82	3.05	3.02	99	2.07	68	--	3H	1W	
172.82	175.87	3.05	3.02	99	2.01	66	--	3H	1W	
175.87	178.92	3.05	3.05	100	1.57	51	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	2.98	98	1.48	49	--	3H	1W	
181.97	185.01	3.04	3.04	100	1.56	51	--	3H	1W	
185.01	188.06	3.05	3.05	100	0.81	27	--	3H	1W	
188.06	191.11	3.05	3.04	100	1.68	55	--	4H	1W	
191.11	194.16	3.05	3.03	99	1.09	36	--	3H	1W	
194.16	197.21	3.05	3.04	100	2.44	80	--	3H	1W	
197.21	200.25	3.04	3.04	100	2.85	94	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.60	85	--	4H	1W	
203.30	206.35	3.05	3.05	100	2.61	86	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.81	92	--	4H	1W	
209.40	212.45	3.05	3.05	100	2.87	94	--	5H	1W	
212.45	215.49	3.04	3.04	100	2.92	96	--	5H	1W	
215.49	218.54	3.05	3.05	100	2.50	82	--	5H	1W	
218.54	221.59	3.05	3.05	100	2.72	89	--	4H	1W	
221.59	224.64	3.05	3.03	99	2.27	74	--	4H	1W	
224.64	227.69	3.05	3.05	100	2.71	89	--	4H	1W	
227.69	230.73	3.04	3.04	100	2.72	89	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.58	85	--	5H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	0	GRD	Rubble
3	0	GRD	Rubble
4	0	GRD	Rubble
5	11.29	GRD	
6	12.64	GRD	
7	6.452	GRD	
8	9.182	GRD	
9	0.196	GRD	
10	0	GRD	Rubble
11	0	GRD	Rubble
12	9.445	GRD	
13	0.847	GRD	
14	0.147	GRD	
15	0	GRD	Rubble
16	0.315	GRD	
17	0.157	GRD	
18	0.44	GRD	
19	0.2	GRD	
20	0	GRD	Rubble
21	11.2	GRD	
22	0	GRD	Rubble
23	0	GRD	Rubble
24	0	GRD	Rubble
25	0	GRD	Rubble
26	0	GRD	Rubble
27	0.413	GRD	
28	0	GRD	Rubble
29	0.176	GRD	
30	0	GRD	Rubble

Depth (m)	Magnetic Susceptibility	Unit	Comments
31	0	GRD	Rubble
32	0	GRD	Rubble
33	0.351	GRD	
34	0	GRD	Rubble
35	0	GRD	Rubble
36	0.261	GRD	
37	0.297	GRD	
38	0.358	GRD	
39	0.387	GRD	
40	0.272	GRD	
41	0.344	GRD	
42	0.315	GRD	
43	0.238	GRD	
44	0.216	GRD	
45	0.26	GRD	
46	0.464	GRD	
47	0.278	GRD	
48	0.243	GRD	
49	0.4	GRD	
50	0.165	GRD	
51	0.203	GRD	
52	0.179	GRD	
53	0.326	GRD	
54	0.294	GRD	
55	0.333	GRD	
56	0.321	GRD	
57	0.377	GRD	
58	0.258	GRD	
59	0.295	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
60	0.278	GRD	
61	0.432	GRD	
62	0.372	GRD	
63	0.313	GRD	
64	0.335	GRD	
65	0.405	GRD	
66	0.326	GRD	
67	0.448	GRD	
68	0.478	GRD	
69	0.318	GRD	
70	0.289	GRD	
71	0.239	GRD	
72	0.445	GRD	
73	0.34	GRD	
74	0.23	GRD	
75	0.399	GRD	
76	0.327	GRD	
77	2.44	GRD	
78	0.302	GRD	
79	0.333	GRD	
80	1.62	GRD	
81	3.02	GRD	
82	0.288	GRD	
83	0.259	GRD	
84	0.323	GRD	
85	0.176	GRD	
86	0.522	GRD	
87	0.73	GRD	
88	0.604	GRD	
89	0.285	GRD	
90	0.165	GRD	
91	15.7	GRD	
92	12.5	GRD	
93	29.8	GRD	
94	0.346	GRD	
95	8.2	GRD	
96	0.267	GRD	
97	0.114	GRD	
98	0.395	GRD	
99	0.352	GRD	
100	0.334	GRD	
101	0.281	GRD	
102	0.285	GRD	
103	0.342	GRD	
104	0.272	GRD	
105	0.197	GRD	
106	0.067	GRD	
107	0.21	GRD	
108	0.251	GRD	
109	0.146	GRD	
110	0.31	GRD	
111	0.351	GRD	
112	0.34	GRD	
113	0.452	GRD	
114	0.347	GRD	
115	0.24	GRD	
116	0.294	GRD	
117	0.398	GRD	
118	7.99	GRD	
119	15.1	GRD	
120	11.8	GRD	
121	1.49	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
122	1.97	GRD	
123	0.409	GRD	
124	2.19	GRD	
125	0.957	QFP	
126	0.298	QFP	
127	0.441	QFP	
128	0.547	QFP	
129	10	GRD	
130	1.06	GRD	
131	8.38	GRD	
132	0.316	GRD	
133	7.48	GRD	
134	14.5	GRD	
135	13.5	GRD	
136	10.2	GRD	
137	0.364	GRD	
138	0.311	GRD	
139	6.23	GRD	
140	0.496	GRD	
141	0.36	GRD	
142	0.235	GRD	
143	0.284	GRD	
144	0.415	GRD	
145	0.389	GRD	
146	4.13	GRD	
147	0.309	GRD	
148	0.241	GRD	
149	0.227	GRD	
150	0.416	GRD	
151	0.42	GRD	
152	1.12	GRD	
153	6.42	GRD	
154	1.49	GRD	
155	7.64	GRD	
156	3.41	GRD	
157	2.02	GRD	
158	8.45	GRD	
159	15.3	GRD	
160	4.21	GRD	
161	17.7	GRD	
162	15	GRD	
163	6.4	GRD	
164	0.38	GRD	
165	18.9	GRD	
166	1.72	GRD	
167	6.3	GRD	
168	12.6	GRD	
169	3.09	GRD	
170	8.02	GRD	
171	2.1	GRD	
172	14	GRD	
173	1.42	GRD	
174	16.4	GRD	
175	16.8	GRD	
176	9.21	GRD	
177	9.84	GRD	
178	3.22	GRD	
179	0.179	GRD	
180	0.269	GRD	
181	0.333	GRD	
182	0.887	GRD	
183	0.81	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
184	0.18	GRD	
185	0.829	GRD	
186	0.643	GRD	
187	4.4	GRD	
188	0.375	GRD	
189	0.17	GRD	
190	0.271	GRD	
191	0.918	GRD	
192	0.243	GRD	
193	0.378	GRD	
194	0.485	GRD	
195	0.235	VEN	
196	0.25	GRD	
197	0.342	GRD	
198	0.352	GRD	
199	0.27	GRD	
200	0.404	GRD	
201	0.48	GRD	
202	0.586	GRD	
203	0.347	GRD	
204	0.29	GRD	
205	0.489	GRD	
206	0.393	GRD	
207	0.363	GRD	
208	0.723	GRD	
209	12.9	GRD	
210	5.35	GRD	
211	0.576	GRD	
212	0.303	GRD	
213	0.309	GRD	
214	0.107	GRD	
215	0.331	GRD	
216	0.455	GRD	
217	2.08	GRD	
218	13	GRD	
219	23.2	GRD	
220	0.236	GRD	
221	0.512	GRD	
222	0.279	GRD	
223	0.549	GRD	
224	0.257	GRD	
225	0.252	GRD	
226	0.192	GRD	
227	0.837	GRD	
228	0.438	GRD	
229	0.875	GRD	
230	0.406	GRD	
231	0.726	GRD	
232	0.34	GRD	
233	0.65	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615006	☐	16-102		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292815	☐	16-092	High Grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615010	☐	16-102			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615001	☐	16-102			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614990	☐	16-098			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614980	☐	16-098		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614974	☐	16-098			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614966	☐	16-098		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614942	☐	16-097		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614933	☐	16-097			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614925	☐	16-097		KL-STD3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614912	☐	16-095			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615012	☐	16-102		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614907	☐	16-095		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K292817	☐	16-092	High Grade	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R614950	☐	16-097			☑	☐	☐
8.30	11.28	2.98	GRD	2.20	74	R614906	☐	16-095			☐	☐	☐
11.28	14.33	3.05	GRD	2.29	75	R614908	☐	16-095			☐	☐	☐
22.50	24.50	2.00	GRD	0.83	42	R614909	☐	16-095			☐	☐	☐
31.60	33.90	2.30	GRD	2.01	87	R614910	☐	16-095			☐	☐	☐
33.90	35.35	1.45	GRD	0.97	67	R614911	☐	16-095			☐	☐	☐
35.35	38.35	3.00	GRD	2.65	88	R614913	☐	16-095			☐	☐	☐
38.35	40.20	1.85	GRD	1.70	92	R614914	☐	16-095			☐	☐	☐
38.35	40.50	2.15	GRD	1.70	79	R614915	☐	16-095			☐	☑	☐
40.50	43.20	2.70	GRD	1.83	68	R614916	☐	16-095			☐	☐	☐
43.20	46.20	3.00	GRD	2.70	90	R614917	☐	16-095			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
46.20	47.85	1.65	GRD	1.27	77	R614923	☐	16-097			☐	☐	☐
47.85	49.85	2.00	GRD	1.79	90	R614918	☐	16-095			☐	☐	☐
49.85	51.68	1.83	GRD	1.71	93	R614919	☐	16-095			☐	☐	☐
51.68	54.23	2.55	GRD	2.37	93	R614920	☐	16-095			☐	☐	☐
54.23	56.45	2.22	GRD	2.03	91	R614921	☐	16-097			☐	☐	☐
56.45	58.08	1.63	GRD	1.60	98	R614922	☐	16-097			☐	☐	☐
58.08	59.68	1.60	GRD	1.47	92	R614924	☐	16-097			☐	☐	☐
59.68	61.70	2.02	GRD	2.01	100	R614926	☐	16-097			☐	☐	☐
61.70	64.28	2.58	GRD	2.48	96	R614927	☐	16-097			☐	☐	☐
64.28	67.12	2.84	GRD	2.84	100	R614928	☐	16-097			☐	☐	☐
64.28	67.12	2.84	GRD	2.84	100	R614929	☐	16-097			☐	☐	☑
67.12	68.95	1.83	GRD	1.64	90	R614930	☐	16-097			☐	☐	☐
68.95	70.51	1.56	GRD	1.40	90	R614931	☐	16-097			☐	☐	☐
70.51	72.10	1.59	GRD	1.58	99	R614932	☐	16-097			☐	☐	☐
72.10	73.41	1.31	GRD	1.30	99	R614934	☐	16-097			☐	☐	☐
73.41	74.03	0.62	GRD	0.43	69	R614935	☐	16-097			☐	☐	☐
74.03	76.19	2.16	GRD	1.81	84	R614936	☐	16-097			☐	☐	☐
76.19	78.33	2.14	GRD	1.95	91	R614937	☐	16-097			☐	☐	☐
76.19	78.33	2.14	GRD	1.95	91	R614938	☐	16-097			☐	☑	☐
78.33	79.86	1.53	GRD	1.43	93	R614939	☐	16-097			☐	☐	☐
79.86	82.00	2.14	GRD	2.14	100	R614940	☐	16-097			☐	☐	☐
82.00	83.14	1.14	GRD	1.14	100	R614941	☐	16-097			☐	☐	☐
83.14	84.71	1.57	GRD	1.36	87	R614943	☐	16-097			☐	☐	☐
84.71	87.71	3.00	GRD	2.70	90	R614944	☐	16-097			☐	☐	☐
87.71	88.75	1.04	GRD	1.04	100	R614945	☐	16-097			☐	☐	☐
88.75	90.53	1.78	GRD	1.56	88	R614946	☐	16-097			☐	☐	☐
90.53	93.57	3.04	GRD	2.87	94	R614947	☐	16-097			☐	☐	☐
93.57	96.00	2.43	GRD	2.38	98	R614948	☐	16-097			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
96.00	96.80	0.80	GRD	0.62	78	R614949	☐	16-097			☐	☐	☐
96.80	99.67	2.87	GRD	2.69	94	R614951	☐	16-097			☐	☐	☐
99.67	100.96	1.29	GRD	1.29	100	R614952	☐	16-097			☐	☐	☐
100.96	102.94	1.98	GRD	1.86	94	R614953	☐	16-097			☐	☐	☐
102.94	103.87	0.93	GRD	0.93	100	R614954	☐	16-097			☐	☐	☐
103.87	106.44	2.57	GRD	2.49	97	R614955	☐	16-097			☐	☐	☐
106.44	108.81	2.37	GRD	2.14	90	R614956	☐	16-097			☐	☐	☐
108.81	111.86	3.05	GRD	2.71	89	R614957	☐	16-098			☐	☐	☐
111.86	114.90	3.04	GRD	3.04	100	R614958	☐	16-098			☐	☐	☐
114.90	117.95	3.05	GRD	2.95	97	R614959	☐	16-098			☐	☐	☐
117.95	120.01	2.06	GRD	2.05	100	R614960	☐	16-098			☐	☐	☐
117.95	120.01	2.06	GRD	2.05	100	R614961	☐	16-098			☐	☑	☐
120.01	122.50	2.49	GRD	2.49	100	R614962	☐	16-098			☐	☐	☐
122.50	124.72	2.22	GRD	2.16	97	R614963	☐	16-098			☐	☐	☐
124.72	126.55	1.83	GRD	1.83	100	R614964	☐	16-098			☐	☐	☐
126.55	128.66	2.11	QFP	2.11	100	R614965	☐	16-098			☐	☐	☐
128.66	131.64	2.98	GRD	2.67	90	R614967	☐	16-098			☐	☐	☐
131.64	133.20	1.56	GRD	1.53	98	R614968	☐	16-098			☐	☐	☐
133.20	136.25	3.05	GRD	2.88	94	R614969	☐	16-098			☐	☐	☐
133.20	136.25	3.05	GRD	2.88	94	R614970	☐	16-098			☐	☐	☑
136.25	137.97	1.72	GRD	1.71	99	R614971	☐	16-098			☐	☐	☐
137.97	140.38	2.41	GRD	2.28	95	R614972	☐	16-098			☐	☐	☐
140.38	142.74	2.36	GRD	1.82	77	R614973	☐	16-098			☐	☐	☐
142.74	145.39	2.65	GRD	2.30	87	R614975	☐	16-098			☐	☐	☐
145.39	147.28	1.89	GRD	1.70	90	R614976	☐	16-098			☐	☐	☐
147.28	149.50	2.22	GRD	1.94	87	R614977	☐	16-098			☐	☐	☐
149.50	150.58	1.08	GRD	0.88	81	R614978	☐	16-098			☐	☐	☐
150.58	151.75	1.17	GRD	1.14	97	R614979	☐	16-098			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
151.75	154.53	2.78	GRD, GRD	2.68	96	R614981	☐	16-098			☐	☐	☐
154.53	156.61	2.08	GRD	2.08	100	R614982	☐	16-098			☐	☐	☐
178.35	179.90	1.55	GRD, GRD	1.37	88	R614983	☐	16-098			☐	☐	☐
179.90	181.97	2.07	GRD	1.84	89	R614984	☐	16-098			☐	☐	☐
181.97	183.41	1.44	GRD	1.44	100	R614985	☐	16-098			☐	☐	☐
183.41	183.70	0.29	GRD, VEN	0.29	100	K292813	☐	16-092	High Grade		☐	☐	☐
183.70	184.39	0.69	GRD	0.61	88	R614986	☐	16-098			☐	☐	☐
184.39	186.26	1.87	GRD	1.87	100	R614987	☐	16-098			☐	☐	☐
186.26	187.92	1.66	GRD	1.35	81	R614988	☐	16-098			☐	☐	☐
187.92	190.17	2.25	GRD	2.18	97	R614989	☐	16-098			☐	☐	☐
190.17	192.22	2.05	GRD	1.97	96	R614991	☐	16-098			☐	☐	☐
192.22	194.16	1.94	GRD	1.88	97	R614992	☐	16-098			☐	☐	☐
194.16	194.69	0.53	GRD	0.53	100	R614993	☐	16-102			☐	☐	☐
194.69	195.16	0.47	GRD, VEN	0.47	100	K292814	☐	16-092	High Grade		☐	☐	☐
195.16	195.66	0.50	VEN, GRD	0.50	100	R614994	☐	16-102			☐	☐	☐
195.66	196.16	0.50	GRD	0.50	100	R614995	☐	16-102			☐	☐	☐
196.16	198.35	2.19	GRD	2.07	95	R614996	☐	16-102			☐	☐	☐
198.35	201.35	3.00	GRD	3.00	100	R614997	☐	16-102			☐	☐	☐
198.35	201.35	3.00	GRD	3.00	100	R614998	☐	16-102			☐	☐	☑
201.35	202.65	1.30	GRD	1.30	100	R614999	☐	16-102			☐	☐	☐
202.65	202.95	0.30	GRD	0.30	100	R615000	☐	16-102			☐	☐	☐
202.95	204.12	1.17	GRD	1.15	98	R615002	☐	16-102			☐	☐	☐
204.12	206.00	1.88	GRD	1.87	99	R615003	☐	16-102			☐	☐	☐
206.00	206.65	0.65	GRD	0.65	100	R615004	☐	16-102			☐	☐	☐
206.65	209.40	2.75	GRD	2.09	76	R615005	☐	16-102			☐	☐	☐
209.40	211.35	1.95	GRD	1.89	97	R615007	☐	16-102			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
211.35	213.70	2.35	GRD	2.35	100	R615008	☐	16-102			☐	☐	☐
213.70	214.71	1.01	GRD	0.88	87	R615009	☐	16-102			☐	☐	☐
214.71	216.94	2.23	GRD	2.23	100	R615011	☐	16-102			☐	☐	☐
216.94	219.64	2.70	GRD	2.68	99	R615013	☐	16-102			☐	☐	☐
219.64	222.29	2.65	GRD	2.64	100	R615014	☐	16-102			☐	☐	☐
222.29	223.90	1.61	GRD	1.56	97	R615015	☐	16-102			☐	☐	☐
223.90	224.46	0.56	GRD	0.54	96	K292816	☐	16-092	High Grade		☐	☐	☐
224.46	225.55	1.09	GRD	1.08	99	R615016	☐	16-102			☐	☐	☐
225.55	228.39	2.84	GRD	2.79	98	R615017	☐	16-102			☐	☐	☐
225.55	228.39	2.84	GRD	2.79	98	R615018	☐	16-102			☐	☑	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.30			☐	☐	☐	☐	
16-102	R615001	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-102	R615006	0.00	0.00	0.36	560	☐	☐	☐	☑ KL-STD4	
16-102	R615010	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-102	R615012	0.00	0.00	4.53	1020	☐	☐	☐	☑ KL-STD1	
16-092	K292815	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-092	K292817	0.00	0.00	1.71	240	☐	☐	☐	☑ KL-STD6	
16-095	R614907	0.00	0.00	0.38	430	☐	☐	☐	☑ KL-STD4	
16-095	R614912	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-098	R614966	0.00	0.00	0.36	370	☐	☐	☐	☑ KL-STD4	
16-098	R614974	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-098	R614980	0.00	0.00	4.50	750	☐	☐	☐	☑ KL-STD1	
16-098	R614990	0.00	0.00	0.00	90	☐	☐	☑	☐	
16-097	R614925	0.00	0.00	0.80	760	☐	☐	☐	☑ KL-STD3	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-097	R614933	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-097	R614942	0.00	0.00	0.35	760	☐	☐	☐	☑ KL-STD4	
16-097	R614950	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-095	R614906	8.30	11.28	0.01	2110	☐	☐	☐	☐	
16-095	R614908	11.28	14.33	0.01	2030	☐	☐	☐	☐	
		14.33	22.50			☐	☐	☐	☐	
16-095	R614909	22.50	24.50	0.07	1550	☐	☐	☐	☐	
		24.50	31.60			☐	☐	☐	☐	
16-095	R614910	31.60	33.90	0.01	1360	☐	☐	☐	☐	
16-095	R614911	33.90	35.35	3.74	450	☐	☐	☐	☐	
16-095	R614913	35.35	38.35	0.08	790	☐	☐	☐	☐	
16-095	R614914	38.35	40.20	0.02	890	☐	☐	☐	☐	
16-095	R614915	38.35	40.50	0.03	940	☑	☐	☐	☐	
16-095	R614916	40.50	43.20	0.05	810	☐	☐	☐	☐	
16-095	R614917	43.20	46.20	0.01	680	☐	☐	☐	☐	
16-097	R614923	46.20	47.85	0.02	1180	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-095	R614918	47.85	49.85	0.02	470	☐	☐	☐	☐	
16-095	R614919	49.85	51.68	0.01	480	☐	☐	☐	☐	
16-095	R614920	51.68	54.23	0.04	600	☐	☐	☐	☐	
16-097	R614921	54.23	56.45	0.01	1830	☐	☐	☐	☐	
16-097	R614922	56.45	58.08	0.13	1640	☐	☐	☐	☐	
16-097	R614924	58.08	59.68	0.06	720	☐	☐	☐	☐	
16-097	R614926	59.68	61.70	0.01	1380	☐	☐	☐	☐	
16-097	R614927	61.70	64.28	0.16	1720	☐	☐	☐	☐	
16-097	R614928	64.28	67.12	0.01	2110	☐	☐	☐	☐	
16-097	R614929	64.28	67.12	0.01	2100	☐	☑	☐	☐	
16-097	R614930	67.12	68.95	0.03	1300	☐	☐	☐	☐	
16-097	R614931	68.95	70.51	0.01	1990	☐	☐	☐	☐	
16-097	R614932	70.51	72.10	0.02	370	☐	☐	☐	☐	
16-097	R614934	72.10	73.41	0.38	320	☐	☐	☐	☐	
16-097	R614935	73.41	74.03	0.37	800	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-097	R614936	74.03	76.19	0.03	700	☐	☐	☐	☐	
16-097	R614937	76.19	78.33	0.03	2030	☐	☐	☐	☐	
16-097	R614938	76.19	78.33	0.03	1330	☑	☐	☐	☐	
16-097	R614939	78.33	79.86	0.18	470	☐	☐	☐	☐	
16-097	R614940	79.86	82.00	0.01	2090	☐	☐	☐	☐	
16-097	R614941	82.00	83.14	0.11	1160	☐	☐	☐	☐	
16-097	R614943	83.14	84.71	0.04	1050	☐	☐	☐	☐	
16-097	R614944	84.71	87.71	0.02	540	☐	☐	☐	☐	
16-097	R614945	87.71	88.75	0.03	450	☐	☐	☐	☐	
16-097	R614946	88.75	90.53	0.02	1480	☐	☐	☐	☐	
16-097	R614947	90.53	93.57	0.11	1550	☐	☐	☐	☐	
16-097	R614948	93.57	96.00	0.09	470	☐	☐	☐	☐	
16-097	R614949	96.00	96.80	1.33	450	☐	☐	☐	☐	
16-097	R614951	96.80	99.67	0.11	1010	☐	☐	☐	☐	
16-097	R614952	99.67	100.96	0.31	1330	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-097	R614953	100.96	102.94	0.02	1990	☐	☐	☐	☐	
16-097	R614954	102.94	103.87	0.07	990	☐	☐	☐	☐	
16-097	R614955	103.87	106.44	0.11	200	☐	☐	☐	☐	
16-097	R614956	106.44	108.81	0.02	580	☐	☐	☐	☐	
16-098	R614957	108.81	111.86	0.07	580	☐	☐	☐	☐	
16-098	R614958	111.86	114.90	0.19	570	☐	☐	☐	☐	
16-098	R614959	114.90	117.95	0.03	410	☐	☐	☐	☐	
16-098	R614960	117.95	120.01	0.02	1350	☐	☐	☐	☐	
16-098	R614961	117.95	120.01	0.03	1040	☑	☐	☐	☐	
16-098	R614962	120.01	122.50	0.04	320	☐	☐	☐	☐	
16-098	R614963	122.50	124.72	0.01	2090	☐	☐	☐	☐	
16-098	R614964	124.72	126.55	0.05	630	☐	☐	☐	☐	
16-098	R614965	126.55	128.66	0.07	390	☐	☐	☐	☐	
16-098	R614967	128.66	131.64	0.02	740	☐	☐	☐	☐	
16-098	R614968	131.64	133.20	0.04	330	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-098	R614969	133.20	136.25	0.03	2540	☐	☐	☐	☐	
16-098	R614970	133.20	136.25	0.03	2270	☐	☑	☐	☐	
16-098	R614971	136.25	137.97	1.75	150	☐	☐	☐	☐	
16-098	R614972	137.97	140.38	0.53	320	☐	☐	☐	☐	
16-098	R614973	140.38	142.74	0.26	280	☐	☐	☐	☐	
16-098	R614975	142.74	145.39	0.10	420	☐	☐	☐	☐	
16-098	R614976	145.39	147.28	0.06	230	☐	☐	☐	☐	
16-098	R614977	147.28	149.50	0.10	130	☐	☐	☐	☐	
16-098	R614978	149.50	150.58	0.09	450	☐	☐	☐	☐	
16-098	R614979	150.58	151.75	0.05	2180	☐	☐	☐	☐	
16-098	R614981	151.75	154.53	0.05	340	☐	☐	☐	☐	
16-098	R614982	154.53	156.61	0.05	2030	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-098	R614983	178.35	179.90	0.06	1840	☐	☐	☐	☐	
16-098	R614984	179.90	181.97	0.05	1800	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-098	R614985	181.97	183.41	0.43	510	☐	☐	☐	☐	
16-092	K292813	183.41	183.70	1.49	140	☐	☐	☐	☐	
16-098	R614986	183.70	184.39	0.16	340	☐	☐	☐	☐	
16-098	R614987	184.39	186.26	0.12	1990	☐	☐	☐	☐	
16-098	R614988	186.26	187.92	0.11	1820	☐	☐	☐	☐	
16-098	R614989	187.92	190.17	0.74	430	☐	☐	☐	☐	
16-098	R614991	190.17	192.22	0.20	480	☐	☐	☐	☐	
16-098	R614992	192.22	194.16	0.07	380	☐	☐	☐	☐	
16-102	R614993	194.16	194.69	0.06	260	☐	☐	☐	☐	
16-092	K292814	194.69	195.16	1.79	150	☐	☐	☐	☐	
16-102	R614994	195.16	195.66	0.33	410	☐	☐	☐	☐	
16-102	R614995	195.66	196.16	0.03	1020	☐	☐	☐	☐	
16-102	R614996	196.16	198.35	0.06	720	☐	☐	☐	☐	
16-102	R614997	198.35	201.35	0.06	690	☐	☐	☐	☐	
16-102	R614998	198.35	201.35	0.06	780	☐	☑	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-102	R614999	201.35	202.65	0.25	370	☐	☐	☐	☐	
16-102	R615000	202.65	202.95	2.35	130	☐	☐	☐	☐	
16-102	R615002	202.95	204.12	0.14	500	☐	☐	☐	☐	
16-102	R615003	204.12	206.00	0.27	920	☐	☐	☐	☐	
16-102	R615004	206.00	206.65	0.15	280	☐	☐	☐	☐	
16-102	R615005	206.65	209.40	0.05	1930	☐	☐	☐	☐	
16-102	R615007	209.40	211.35	0.04	1020	☐	☐	☐	☐	
16-102	R615008	211.35	213.70	0.26	310	☐	☐	☐	☐	
16-102	R615009	213.70	214.71	0.32	720	☐	☐	☐	☐	
16-102	R615011	214.71	216.94	0.03	1860	☐	☐	☐	☐	
16-102	R615013	216.94	219.64	0.03	2180	☐	☐	☐	☐	
16-102	R615014	219.64	222.29	0.24	640	☐	☐	☐	☐	
16-102	R615015	222.29	223.90	0.11	490	☐	☐	☐	☐	
16-092	K292816	223.90	224.46	1.11	220	☐	☐	☐	☐	
16-102	R615016	224.46	225.55	0.09	450	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-102	R615017	225.55	228.39	0.08	430	☐	☐	☐	☐	
16-102	R615018	225.55	228.39	0.07	370	☑	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
8.30	14.33	VN	37	-	NUL	4	Series of intensely fractured, strongly oxidized sulphide veins. Some show goethite and scorodite.			
								Go	1	MA
								So	0.5	MA
22.50	24.50	VN	37	-	NUL	1	Intensely fractured phyllic granodiorite cut by an unknown number of massive pyrite veins. Recovery is too crumbled to tell.			
								Py	5	MA
31.90	35.35	VN	37	-	NUL	3	Intensely fractured, strong oxidized, partially gouged massive pyrite veins.			
								Py	5	MA
38.71	49.85	VN	37	30	NUL	65	Thin pyrite veinlets.			
								Py	5	BL
49.85	51.68	FT	42	25	NUL	2	Pairs of clay gouged, fractured, pervasively oxidized faults with pyrite veining.			
								Py	5	MA
51.68	53.43	VN	37	10	NUL	2	Massive quartz-carbonate veins with blebby pyrite and fracture-limited oxide staining.			
								Py	2	BL
57.00	58.08	VN	37	15	NUL	1	Massive white quartz vein with epidote and chlorite along its margins. Hosts blebby pyrite.			
								Py	2	BL
61.81	64.00	VT	37	90	NUL	18	Irregularly banded veins/veinlets of white-cream quartz-carbonate and smoky quartz hosting blebby pyrite. White quartz-carbonate often shows crustiform textures.			
								Py	5	BL
67.73	67.84	VN	37	25	NUL	1	Massive white quartz vein hosting fine disseminated pyrite.			
								Py	1	DI
70.51	72.50	VT	37	40	NUL	21	Massive white quartz-pyrite veinlets with strong phyllic halos.			
								Py	15	MA
73.41	73.76	BX	34	60	NUL	2	Smoky quartz and white quartz-carbonate vein breccia hosting blebby pyrite.			
								Py	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
75.15	78.18	VT	37	30	NUL	15	Thin massive quartz-pyrite veinlets with strong phyllic halos.			
								Py	15	BL
79.22	79.80	VN	37	60	NUL	3	Three massive white quartz-pyrite veins 2-4 cm wide.			
								Py	20	BL
79.53	79.68	VN	37	70	NUL	1	Crustiform, somewhat vuggy, white-cream-tan quartz-carbonate veins hosting blebby pyrite and honey brown sphalerite.			
								Py	4	BL
								Sp	1	BL
82.02	83.23	VN	37	40	NUL	4	Veins with bands of massive quartz and thinly banded white quartz-carbonate hosting blebby pyrite.			
								Py	5	BL
84.36	84.39	VN	37	90	NUL	1	Irregularly banded white-smoky quartz-carbonate vein hosting blebby pyrite.			
								Py	6	BL
85.35	85.40	VN	37	90	NUL	1	Irregularly banded white massive quartz vein with semi-pervasive oxide staining along fractures.			
								Py	3	BL
85.56	86.51	VN	37	25	NUL	2	Crumbled massive quartz-pyrite veins.			
								Py	15	MA
87.29	88.70	VN	37	20	NUL	1	Massive white quartz vein hosting blebby pyrite.			
								Py	10	BL
90.89	91.00	VN	37	15	NUL	1	Massive white quartz vein with hematite and chlorite along its margins. Hosts blebby pyrite.			
								Py	2	BL
91.15	96.00	VT	37	30	NUL	23	Quartz-pyrite veinlets with strong phyllic halos.			
								Py	5	BL
96.00	96.76	VN	37	70	NUL	2	Banded quartz-carbonate-pyrite veins with crustiform/colloform white quartz-carbonate and bands of massive pyrite. One vein shows 1 cm ghost bladed pyrie and interstitial honey brown sphalerite.			
								Py	10	MA
								Sp	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
96.92	102.92	VT	37	50	NUL	30	Thinly banded white quartz-carbonate veins hosting fine blebby pyrite with strong phyllic halos.			
								Py	3	BL
103.09	103.36	VN	37	10	NUL	1	Low angle massive white quartz vein with hematite, chlorite, and pyrite along its margins.			
								He	5	BL
								Ch	5	BL
								Py	1	BL
105.23	106.29	VT	37	-	NUL	10	Series of netted smoky quartz-banded white quartz-carbonate veinlets hosting fine disseminated pyrite. These veinlets are faulted and clay gouged at 106.15m.			
								Py	5	BL
106.75	118.03	VT	37	50	NUL	40	Series of quartz-pyrite veinlets with narrow phyllic halos.			
								Py	15	BL
124.74	128.66	VN	37	40	NUL	17	White quartz-pyrite veins with blebby blackjack sphalerite cutting through quartz feldspar porphyry dyke.			
								Sp	0.5	BL
								Py	5	BL
130.15	130.55	FT	42	10	NUL	1	Crumbled fault plane with argillic alteration.			
132.18	140.38	VT	37	45	NUL	40	High frequency of pyrite stringers and veinlets with overlapping phyllic-argillic halos.			
								Py	20	MA
140.38	141.29	FT	42	-	NUL	1	Fault with intense gouge development and pervasive moderate oxide staining.			
								Py	1	DI
143.09	143.79	VN	37	060	NUL	2	White quartz vein with massive pyrite.			
								Py	50	MA
144.34	151.75	VN	37	30	NUL	26	White quartz and massive pyrite veins with narrow phyllic halos.			
								Py	15	MA
155.19	156.39	VT	37	55	NUL	6	White quartz-carbonate-pyrite veinlets with narrow phyllic halos.			
								Py	2	BL
163.78	163.80	VN	37	70	NUL	1	Banded white quartz and smoky quartz vein hosting fine blebby pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	5	BL
178.56	178.64	VN	37	40	NUL	2	Massive white quartz-calcite veining with blebby pyrite.			
								Py	5	BL
180.06	180.09	BX	34	70	NUL	1	Smoky quartz breccia with fine disseminated pyrite throughout.			
183.41	183.65	VN	37	70	NUL	1	Wide vein of Massive white quartz hosting large blebby-massive pyrite intergrown with chalcopyrite. This vein is cut by crustiform white-tan carbonate and ankerite with limited rhodochrosite. This quartz-carbonate veining introduces blebby blackjack sphalerite, arsenopyrite, and galena.			
								As	2	BL
								Sp	6	BL
								Cp	8	BL
								Gn	2	BL
								Py	15	MA
183.73	183.77	VN	37	65	NUL	1	White massive quartz vein hosting blebby pyrite.			
								Py	15	BL
185.70	186.01	VN	37	25	NUL	2	Banded white-pink quartz-carbonate veins with fine pyrite.			
								Py	5	BL
186.25	186.95	FT	42	-	NUL	1	Faulted, rubbly granodiorite.			
188.00	188.06	VN	37	60	NUL	1	White quartz vein hosting blebby-massive pyrite, blebby galena, and blebby honey brown sphalerite.			
								Sp	3	BL
								Py	15	BL
								Gn	3	BL
								Py	5	MA
188.09	188.71	VN	37	55	NUL	5	White quartz veins hosting blebby pyrite, blebby honey brown sphalerite, and blebby galena.			
								Py	10	BL
								Sp	1	BL
								Gn	1	BL
189.10	190.15	VT	37	50	NUL	9	Quartz veinlets with blebby pyrite.			
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
190.30	124.05	VT	37	50	NUL	28	Massive white quartz and blebby pyrite veinlets.			
								Py	2	BL
190.62	194.69	VT	37	20	NUL	10	Thin pyrite veinlets with phyllic halos.			
								Py	100	MA
194.69	195.16	VN	37	65	NUL	1	Stroshein vein. Main vein is white massive quartz with 1-3 cm bands of sulphides and smoky quartz. White quartz hosts blebby pyrite and chalcopyrite. Smoky quartz hosts finer blebby pyrite, arsenopyrite, blackjack sphalerite, and galena. Later stage carbonates seem to also be related to blackjack sphalerite and galena.			
								Sp	12	BL
								As	5	BL
								Py	15	BL
								Gn	2	BL
								Cp	8	BL
195.26	195.43	VN	37	60	NUL	2	White massive quartz veins with blebby pyrite and chalcopyrite.			
								Py	25	BL
								Cp	3	BL
195.53	195.59	BX	34	45	NUL	1	Narrow, netted, nearly brecciating smoky quartz veining with crustiform white quartz-carbonate along the selvedges of the smoky quartz.			
								Py	1	DI
196.48	201.02	VT	37	20	NUL	10	Quartz-pyrite veinlets with narrow phyllic halos.			
								Py	50	BL
201.39	201.45	VN	37	50	NUL	1	Coarsely intergrown white quartz and tan ankerite with blebby pyrite along its selvedges and acicular masses of smoky quartz, possibly replacing another mineral. Fine blebby honey brown sphalerite is near the smoky quartz.			
								Py	10	BL
								Sp	2	BL
202.72	202.89	VN	37	60	NUL	1	Quartz veining with blebby pyrite, blackjack sphalerite, galena, and a strong phyllic halo.			
								Py	20	BL
								Gn	1	BL
								Sp	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
203.34	210.02	VN	37	20	NUL	12	White quartz pyrite veining with narrow strong phyllic halos.			
								Py	50	BL
211.44	212.66	VN	37	70	NUL	2	Banded white quartz, white carbonate, smoky quartz, and pyrite veins.			
								Py	25	BN
213.86	214.04	VT	37	-	NUL	8	Netted, criss-crossing veinlets of smoky quartz, banded quartz-carbonate, and blebby pyrite.			
								Py	5	BL
214.45	217.92	VT	37	60	NUL	6	Pyrite veinlets.			
								Py	100	MA
219.75	223.09	VT	37	20	NUL	11	Pyrite veinlets.			
								Py	100	MA
224.00	224.16	VN	37	40	NUL	1	Smoky quartz netted by crustiform quartz-carbonate veinlets. Smoky quartz hosts blebby pyrite, arsenopyrite, honey brown sphalerite, and galena.			
								As	4	BL
								Sp	4	BL
								Gn	1	BL
								Py	10	BL
224.79	228.37	VT	37	15	NUL	16	Quartz pyrite veinlets with narrow strong phyllic halos.			
								Py	50	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383081	6890205	1342.34	90.53

ZONE: Central Klaza

SECTION:

HOLE: KL-16-334

CLAIM: Klaza 17

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth:

Drilling Dates: Jul 31 - Aug 01, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	34.6	-50.4	Reflex
90.52	34.4	-50.4	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.6	1.6	CAS
1.6	8.17	6.57	OVB
8.17	12.97	4.8	GRD
12.97	14.35	1.38	VEN
14.35	23.36	9.01	GRD
23.36	24.97	1.61	GRD
24.97	31.75	6.78	GRD
31.75	34.2	2.45	GRD
34.2	34.58	0.38	QFP
34.58	42.34	7.76	GRD
42.34	46.19	3.85	GRD
46.19	46.65	0.46	QFP
46.65	53.24	6.59	GRD
53.24	90.53	37.29	GRD

SAMPLES	
Numbers:	K292818 to K292820, R616016 to R616055
Total:	43
Batch:	092, 101, 104
Certificates:	VA16129499, VA16129513, VA16129520

COMMENTS

Box Log

KL-16-334

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.6	8.66
2	8.66	12.86
3	12.86	17.26
4	17.26	21.41
5	21.41	25.52
6	25.52	29.57
7	29.57	34.58
8	34.58	39.67
9	39.67	44.12
10	44.12	48.3
11	48.3	52.65
12	52.65	56.67
13	56.67	60.39
14	60.39	64.8
15	64.8	68.85
16	68.85	72.85
17	72.85	77
18	77	81.38
19	81.38	85.47
20	85.47	89.76
21	89.76	90.53

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-334									
	34.2	19	NQ2	GRD	1067.2	663.3	2.64	2.6	Red brown quartz feldspar porphyry dyke hosting minor carbonate veinlets.
	34.2	19	NQ2	QFP	1067.2	663.3	2.64	2.6	Red brown quartz feldspar porphyry dyke hosting minor carbonate veinlets.
	51.92	14.5	NQ2	GRD	786.9	497.4	2.56	2.7	Phyllic altered granodiorite with mild oxidation overprint hosting quartz carbonate veinlets and disseminated pyrite.
	52.65	16.5	NQ2	GRD	1031.1	690.7	2.94	3.0	Smokey quartz breccia zone with quartz carbonate stringers hosting massive to blebby pyrite and blebby galena. Light oxidation overprint.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.60	8.17	6.57	OVB	--	Organics and overburden.							
						LT	BR					
8.17	12.97	4.80	GRD	MG	Highly oxidized granodiorite displaying argillic alteration. Granodiorite is also broken down and weathered.							
						MD	BR					
						LT	BR	PA	OXI	4I		
12.97	14.35	1.38	VEN	--	highly gouged zone of smokey to black quartz breccia zone. Interval transitions from gouge altered to severely oxidized vein zone displaying dark oranges and reddish colour.							
						MD	OR		OXI	5I		
						MD	RD					
						LT	GY	FR	OXI	4I	Py	1
						DK	OR		OXI	2I		
14.35	23.36	9.01	GRD	MG	Unaltered granodiorite with patchy trace to weak propylitic and potassic alteration. Oxidation present along fracture and joint planes, and is found in small weak patches throughout.							
						MD	OR		PRO	2I		
						LT	GN	PA	PRO	1I		
						LT	PK	FR	POT	1I		
									POT	2I		
									OXI	3I		
23.36	24.97	1.61	GRD	MG	Zone of weak to moderately propylitic altered granodiorite with patchy oxidation present. Interval is highly fractured and displays patchy weak gouging. Smokey quartz breccia vein and a highly oxidized rubbly quartz vein present.							
						MD	GN	FR	PRO	2I		
						MD	OR	BX	OXI	3I		
						LT	OR	RB	PHC	2I		
						LT	GN	PA	PRO	2I	Py	1
									OXI	4I		
24.97	31.75	6.78	GRD	MG	Zone of argillic altered granodiorite displaying weak to moderate patchy oxidation. Argillic granodiorite hosts a phyllic altered halo, and transitions into weakly propylitic granodiorite towards end of the interval, which ends along a dyke contact.							
						MD	OR		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	WH	PA	OXI	3I	Py	1
						LT	PK	FR	ARG	2I		
						LT	OR		ARG	3I		
						LT	GN		PHC	2I		
31.75	33.93	2.18	GRD	MG	Unaltered granodiorite with patches of propylitic alteration.							
						LT	GN	PA	PRO	1I		
33.93	34.20	0.27	VEN	MG	Zone of phyllic to propylitic altered granodiorite hosting a quartz vein found along a medium red dyke contact.							
						MD	GN		PHC	3I	Sp	5
						LT	GN		PHC	2I	Py	4
									PRO	2I	Gn	2
34.20	34.58	0.38	QFP	FG	Medium red quartz feldspar porphyry dyke with light green to grey colour directly along the contact selvedges. Carbonate veinlets crosscut dyke.							
						MD	RD	PO				
						LT	GY					
						LT	GN					
						DK	RD					
34.58	42.34	7.76	GRD	MG	Moderately argillic granodiorite with patches of propylitic/potassic overprinting alternating with propylitic altered granodiorite. Argillic altered granodiorite has small rubble patches.							
						MD	GN	FR	ARG	3I		
						LT	PK	RB	POT	1I		
						LT	GN	PA	ARG	2I		
						LT	WH		PRO	1I		
									PRO	2I		
42.34	45.45	3.11	GRD	MG	Unaltered granodiorite with trace to weak propylitic/potassic alteration. Unaltered granodiorite transitions to a propylitic/phyllic altered halo carrying significant sulfide found along the upper contact of a dyke.							
						MD	GN		PRO	2I	As	1
						LT	PK	PA	PHC	2I	Py	3
						LT	GN		PHC	3I	Sp	1
									PRO	3I	Cp	1
									POT	1I		
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
45.45	46.19	0.74	GRD	MG	Phyllic to propylitic altered halo hosting significant sulfide vein.							
						MD	GN		PHC	3I	Sp	6
						LT	GN		PHC	2I	Py	17
									PRO	2I	As	3
									PRO	3I	Cp	3
46.19	46.65	0.46	QFP	FG	White to light grey quartz feldspar porphyry dyke. Caries a dark band of quartz vein within.							
						MD	WH				Gn	1
						LT	GN	PO			Py	1
											Sp	1
46.65	53.24	6.59	GRD	MG	Phyllic to propylitic altered granodiorite alternating with argillic/propylitic altered granodiorite. Phyllic altered granodiorite hosts a zone of numerous quartz veins hosting significant sulfide mineralization. Minor patchy oxidation found throughout.							
						MD	GN		PHC	3I	Py	1
						LT	GN		PHC	2I	Py	1
						LT	WH		PRO	2I	Gn	1
						LT	PK		ARG	2I	Sp	1
											As	1
53.24	90.53	37.29	GRD	MG	Unaltered granodiorite alternating with patches of argillic/phyllic and phyllic granodiorite. Oxidation present within fractures and planes throughout. Phyllic to propylitic halos found throughout hosting zones of significant sulfide mineralization.							
						MD	GN	FR	ARG	3I	Sp	1
						MD	WH		PHC	3I	Cp	1
						LT	GN	PA	ARG	2I	Py	1
						LT	WH		PHC	2I	Gn	1
						LT	OR		PRO	2I	As	1
									OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.60	8.17	6.57	OVB	--	Organics and overburden.							
						LT	BR		OXI	4I		
8.17	12.97	4.80	GRD	MG	Highly oxidized granodiorite displaying argillic alteration. Granodiorite is also broken down and weathered.							
						LT	BR	PA	OXI	4I		
						MD	BR					
12.97	14.35	1.38	VEN	--	highly gouged zone of smokey to black quartz breccia zone. Interval transitions from gouge altered to severely oxidized vein zone displaying dark oranges and reddish colour.							
						MD	RD					
						LT	GY	FR	OXI	4I	Py	1
						MD	OR	BX	OXI	5I		
						DK	OR		OXI	2I		
14.35	23.36	9.01	GRD	MG	Unaltered granodiorite with patchy trace to weak propylitic and potassic alteration. Oxidation present along fracture and joint planes, and is found in small weak patches throughout.							
						LT	PK	FR	POT	1I		
						MD	OR		PRO	2I		
									POT	2I		
									OXI	3I		
						LT	GN	PA	PRO	1I		
23.36	24.97	1.61	GRD	MG	Zone of weak to moderately propylitic altered granodiorite with patchy oxidation present. Interval is highly fractured and displays patchy weak gouging. Smokey quartz breccia vein and a highly oxidized rubbly quartz vein present.							
									OXI	4I		
						LT	GN	PA	PRO	2I	Py	1
						MD	GN	FR	PRO	2I		
						MD	OR	BX	OXI	3I		
						LT	OR	RB	PHC	2I		
24.97	31.75	6.78	GRD	MG	Zone of argillic altered granodiorite displaying weak to moderate patchy oxidation. Argillic granodiorite hosts a phyllic altered halo.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		PRO	2I		
						LT	WH	PA	OXI	3I	Py	1
						LT	OR		ARG	3I		
						LT	PK	FR	ARG	2I		
31.75	34.20	2.45	GRD	MG	Unaltered granodiorite with patches of propylitic alteration. Interval transitions to a small propylitic/phyllic alteration zone hosting a quartz vein found along the upper contact of a red quartz feldspar porphyry dyke.							
									PHC	3I	Gn	1
						MD	GN		PHC	2I	Sp	1
						LT	GN	PA	PRO	2I	Py	1
34.20	34.58	0.38	QFP	FG	Medium red quartz feldspar porphyry dyke with light green to grey colour directly along the contact selvedges. Carbonate veinlets crosscut dyke.							
						MD	RD	PO				
						LT	GN					
						DK	RD					
						LT	GY					
34.58	42.34	7.76	GRD	MG	Moderately argillic granodiorite with patches of propylitic/potassic overprinting alternating with propylitic altered granodiorite. Argillic altered granodiorite has small rubble patches.							
									PRO	2I		
						MD	GN	FR	ARG	3I		
						LT	PK	RB	POT	1I		
						LT	WH		PRO	1I		
						LT	GN	PA	ARG	2I		
42.34	46.19	3.85	GRD	MG	Unaltered granodiorite with trace to weak propylitic/potassic alteration. Unaltered granodiorite transitions to a propylitic/phyllic altered halo carrying significant sulfide found along the upper contact of a dyke.							
						MD	GN		PRO	2I	As	1
						LT	GN		PHC	3I	Sp	1
									PRO	3I	Cp	1
									PRO	1I		
									POT	1I		
						LT	PK	PA	PHC	2I	Py	3
46.19	46.65	0.46	QFP	FG	White to light grey quartz feldspar porphyry dyke. Caries a dark band of quartz vein within.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Sp	1
						LT	GN	PO			Py	1
						MD	WH				Gn	1
46.65	53.24	6.59	GRD	MG	Phyllic to propylitic altered granodiorite alternating with argillic/propylitic altered granodiorite. Phyllic altered granodiorite hosts a zone of numerous quartz veins hosting significant sulfide mineralization. Minor patchy oxidation found throughout.							
											As	1
						LT	GN		PHC	2I	Py	1
						MD	GN		PHC	3I	Py	1
						LT	WH		PRO	2I	Gn	1
						LT	PK		ARG	2I	Sp	1
53.24	90.53	37.29	GRD	MG	Unaltered granodiorite alternating with patches of argillic/phyllic and phyllic granodiorite. Oxidation present within fractures and planes throughout. Phyllic to propylitic halos found throughout hosting zones of significant sulfide mineralization.							
						MD	GN	FR	ARG	3I	Sp	1
						LT	WH		PHC	2I	Gn	1
						MD	WH		PHC	3I	Cp	1
						LT	OR		PRO	2I	As	1
									OXI	2I		
						LT	GN	PA	ARG	2I	Py	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.18	2.18	0	0	0.00	0	--	--	--	Cased
2.18	8.23	6.05	2.47	41	0.00	0	--	1H	5W	
8.23	11.28	3.05	2.92	96	1.02	33	--	2H	5W	
11.28	14.33	3.05	2.93	96	0.33	11	--	1H	5W	
14.33	17.37	3.04	2.97	98	1.22	40	--	3H	3W	
17.37	20.42	3.05	3.05	100	2.40	79	--	5H	2W	
20.42	23.47	3.05	2.93	96	1.22	40	--	4H	2W	
23.47	26.52	3.05	3.05	100	0.84	28	--	3H	2W	
26.52	29.57	3.05	3.05	100	1.13	37	--	3H	3W	
29.57	32.61	3.04	3.04	100	1.18	39	--	3H	2W	
32.61	35.66	3.05	3.05	100	0.59	19	--	3H	2W	
35.66	38.71	3.05	3.05	100	0.96	31	--	3H	1W	
38.71	41.76	3.05	2.93	96	1.06	35	--	3H	1W	
41.76	44.81	3.05	3.05	100	1.13	37	--	3H	1W	
44.81	47.85	3.04	3.04	100	1.94	64	--	2H	1W	
47.85	50.90	3.05	3.04	100	2.44	80	--	3H	1W	
50.90	53.95	3.05	3	98	2.07	68	--	3H	2W	
53.95	57.00	3.05	3.05	100	1.58	52	--	4H	2W	
57.00	60.05	3.05	3	98	1.06	35	--	3H	3W	
60.05	63.09	3.04	3.03	100	1.50	49	--	4H	1W	
63.09	66.14	3.05	3.01	99	1.49	49	--	4H	1W	
66.14	69.19	3.05	3.04	100	1.13	37	--	4H	1W	
69.19	72.24	3.05	3.03	99	1.87	61	--	3H	1W	
72.24	75.29	3.05	3.05	100	2.26	74	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.22	73	--	5H	1W	
78.33	81.38	3.05	3.02	99	2.36	77	--	5H	1W	
81.38	84.43	3.05	3.04	100	1.40	46	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.34	77	--	4H	1W	
87.48	90.53	3.05	3.03	99	2.03	67	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	Cased
2	0.159	OVB	
3	0.327	OVB	
4	0.115	OVB	
5	0.161	OVB	
6	0.069	OVB	
7	0	OVB	Rubble
8	0	OVB	Rubble
9	0.323	GRD	
10	0.223	GRD	
11	0.031	GRD	
12	0.147	GRD	
13	0.443	VEN	
14	0.393	VEN	
15	16.4	GRD	
16	15.6	GRD	
17	14.8	GRD	
18	21.6	GRD	
19	3.39	GRD	
20	19.2	GRD	
21	27	GRD	
22	19	GRD	
23	0.452	GRD	
24	0.436	GRD	
25	0.418	GRD	
26	4.08	GRD	
27	0.384	GRD	
28	27.1	GRD	
29	17	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.504	GRD	
31	22.5	GRD	
32	24.9	GRD	
33	24.2	GRD	
34	5.31	GRD	
35	11.9	GRD	
36	22.3	GRD	
37	5.92	GRD	
38	0.325	GRD	
39	0.587	GRD	
40	0.768	GRD	
41	23.1	GRD	
42	11.5	GRD	
43	18.3	GRD	
44	15.3	GRD	
45	12.4	GRD	
46	0.273	GRD	
47	0.425	GRD	
48	0.363	GRD	
49	0.76	GRD	
50	3.71	GRD	
51	9.4	GRD	
52	0.342	GRD	
53	0.295	GRD	
54	1.02	GRD	
55	14.4	GRD	
56	1.02	GRD	
57	25.4	GRD	
58	16	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	29.1	GRD	
60	33	GRD	
61	25.5	GRD	
62	0.801	GRD	
63	28.5	GRD	
64	35.2	GRD	
65	0.571	GRD	
66	1.39	GRD	
67	28.4	GRD	
68	14.1	GRD	
69	20.3	GRD	
70	11.4	GRD	
71	0.474	GRD	
72	0.531	GRD	
73	2.63	GRD	
74	33	GRD	
75	23.5	GRD	
76	21	GRD	
77	18.2	GRD	
78	33.2	GRD	
79	35.1	GRD	
80	37.6	GRD	
81	35.3	GRD	
82	38.4	GRD	
83	0.484	GRD	
84	23.8	GRD	
85	28.8	GRD	
86	44.3	GRD	
87	49.5	GRD	
88	48.4	GRD	
89	46.9	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	35.3	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R616024	☐	16-101		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616035	☐	16-101			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616044	☐	16-101		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616052	☐	16-104			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616020	☐	16-101			☑	☐	☐
12.86	14.68	1.82	GRD	1.60	88	R616016	☐	16-101			☐	☐	☐
24.33	25.07	0.74	GRD	0.71	96	R616017	☐	16-101			☐	☐	☐
32.61	33.70	1.09	GRD	0.85	78	R616018	☐	16-101			☐	☐	☐
33.70	34.20	0.50	GRD	0.50	100	R616019	☐	16-101			☐	☐	☐
34.20	34.58	0.38	GRD, QFP	0.38	100	R616021	☐	16-101			☐	☐	☐
34.58	35.45	0.87	GRD, QFP	0.80	92	R616022	☐	16-101			☐	☐	☐
44.65	45.17	0.52	GRD	0.52	100	R616023	☐	16-101			☐	☐	☐
45.17	45.79	0.62	GRD	0.62	100	R616025	☐	16-101			☐	☐	☐
45.79	46.20	0.41	GRD	0.41	100	K292818	☐	16-092	High Grade		☐	☐	☐
46.20	46.70	0.50	QFP	0.50	100	R616026	☐	16-101			☐	☐	☐
46.70	47.20	0.50	GRD	0.50	100	R616027	☐	16-101			☐	☐	☐
47.20	47.85	0.65	GRD	0.65	100	R616028	☐	16-101			☐	☐	☐
47.20	47.85	0.65	GRD	0.65	100	R616029	☐	16-101			☐	☑	☐
47.85	48.48	0.63	GRD	0.63	100	R616030	☐	16-101			☐	☐	☐
48.48	50.90	2.42	GRD	2.42	100	R616031	☐	16-101			☐	☐	☐
50.90	51.94	1.04	GRD	1.04	100	R616032	☐	16-101			☐	☐	☐
51.94	52.44	0.50	GRD	0.50	100	R616033	☐	16-101			☐	☐	☐
52.44	52.95	0.51	GRD	0.51	100	K292819	☐	16-092	High Grade		☐	☐	☐
52.95	53.47	0.52	GRD	0.52	100	R616034	☐	16-101			☐	☐	☐
53.47	54.08	0.61	GRD	0.61	100	R616036	☐	16-101			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
54.08	55.51	1.43	GRD	1.43	100	R616037	☐	16-101			☐	☐	☐
55.51	56.01	0.50	GRD	0.50	100	R616038	☐	16-101			☐	☐	☐
56.01	56.67	0.66	GRD	0.66	100	R616039	☐	16-101			☐	☐	☐
61.20	62.18	0.98	GRD	0.92	94	R616040	☐	16-101			☐	☐	☐
61.20	62.18	0.98	GRD	0.92	94	R616041	☐	16-101			☐	☐	☑
62.18	62.68	0.50	GRD	0.50	100	R616042	☐	16-101			☐	☐	☐
62.68	63.62	0.94	GRD	0.94	100	R616043	☐	16-101			☐	☐	☐
63.62	66.11	2.49	GRD	2.49	100	R616045	☐	16-101			☐	☐	☐
66.11	66.73	0.62	GRD	0.62	100	R616046	☐	16-101			☐	☐	☐
66.73	67.78	1.05	GRD	1.05	100	R616047	☐	16-101			☐	☐	☐
67.78	68.28	0.50	GRD	0.50	100	R616048	☐	16-104			☐	☐	☐
68.28	68.63	0.35	GRD	0.35	100	K292820	☐	16-092	High Grade		☐	☐	☐
68.63	69.19	0.56	GRD	0.56	100	R616049	☐	16-104			☐	☐	☐
69.19	71.04	1.85	GRD	1.85	100	R616050	☐	16-104			☐	☐	☐
71.04	71.67	0.63	GRD	0.63	100	R616051	☐	16-104			☐	☐	☐
71.67	72.24	0.57	GRD	0.57	100	R616053	☐	16-104			☐	☐	☐
72.24	72.85	0.61	GRD	0.61	100	R616054	☐	16-104			☐	☐	☐
78.52	79.05	0.53	GRD	0.53	100	R616055	☐	16-104			☐	☐	☐

KL-16-334
Central Klaza

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	12.86			☐	☐	☐	☐	
16-101	R616020	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-101	R616024	0.00	0.00	0.89	440	☐	☐	☐	☑ KL-STD5	
16-101	R616035	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-101	R616044	0.00	0.00	4.34	250	☐	☐	☐	☑ KL-STD1	
16-104	R616052	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-101	R616016	12.86	14.68	0.67	910	☐	☐	☐	☐	
		14.68	24.33			☐	☐	☐	☐	
16-101	R616017	24.33	25.07	0.07	1250	☐	☐	☐	☐	
		25.07	32.61			☐	☐	☐	☐	
16-101	R616018	32.61	33.70	0.04	1830	☐	☐	☐	☐	
16-101	R616019	33.70	34.20	0.69	570	☐	☐	☐	☐	
16-101	R616021	34.20	34.58	0.00	2780	☐	☐	☐	☐	
16-101	R616022	34.58	35.45	0.07	1130	☐	☐	☐	☐	
		35.45	44.65			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-101	R616023	44.65	45.17	0.00	2610	☐	☐	☐	☐	
16-101	R616025	45.17	45.79	0.02	2090	☐	☐	☐	☐	
16-092	K292818	45.79	46.20	14.80	80	☐	☐	☐	☐	
16-101	R616026	46.20	46.70	0.14	150	☐	☐	☐	☐	
16-101	R616027	46.70	47.20	3.34	1220	☐	☐	☐	☐	
16-101	R616028	47.20	47.85	0.07	1250	☐	☐	☐	☐	
16-101	R616029	47.20	47.85	0.10	600	☑	☐	☐	☐	
16-101	R616030	47.85	48.48	0.46	470	☐	☐	☐	☐	
16-101	R616031	48.48	50.90	0.14	1870	☐	☐	☐	☐	
16-101	R616032	50.90	51.94	0.02	1780	☐	☐	☐	☐	
16-101	R616033	51.94	52.44	1.06	130	☐	☐	☐	☐	
16-092	K292819	52.44	52.95	2.60	5150	☐	☐	☐	☐	
16-101	R616034	52.95	53.47	0.08	860	☐	☐	☐	☐	
16-101	R616036	53.47	54.08	0.02	2450	☐	☐	☐	☐	
16-101	R616037	54.08	55.51	0.00	2130	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-101	R616038	55.51	56.01	0.57	410	☐	☐	☐	☐	
16-101	R616039	56.01	56.67	0.00	2490	☐	☐	☐	☐	
		56.67	61.20			☐	☐	☐	☐	
16-101	R616040	61.20	62.18	0.25	2190	☐	☐	☐	☐	
16-101	R616041	61.20	62.18	0.26	2210	☐	☑	☐	☐	
16-101	R616042	62.18	62.68	0.76	250	☐	☐	☐	☐	
16-101	R616043	62.68	63.62	0.02	3300	☐	☐	☐	☐	
16-101	R616045	63.62	66.11	0.19	2120	☐	☐	☐	☐	
16-101	R616046	66.11	66.73	0.01	2270	☐	☐	☐	☐	
16-101	R616047	66.73	67.78	0.00	2650	☐	☐	☐	☐	
16-104	R616048	67.78	68.28	0.01	1920	☐	☐	☐	☐	
16-092	K292820	68.28	68.63	1.89	300	☐	☐	☐	☐	
16-104	R616049	68.63	69.19	0.00	1900	☐	☐	☐	☐	
16-104	R616050	69.19	71.04	0.04	1690	☐	☐	☐	☐	
16-104	R616051	71.04	71.67	0.73	730	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-104	R616053	71.67	72.24	0.06	1320	☐	☐	☐	☐	
16-104	R616054	72.24	72.85	0.00	2340	☐	☐	☐	☐	
		72.85	78.52			☐	☐	☐	☐	
16-104	R616055	78.52	79.05	0.39	1080	☐	☐	☐	☐	
		79.05	90.53			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
13.00	14.00	GO	34	-	NUL	1	Gouged breccia carrying host granodiorite, and disseminated pyrite.			
								Py	1	DI
14.00	14.33	GO	34	-	NUL	1	Gouged granodiorite displaying dark orange to red oxidation.			
34.12	34.20	VN	37	85	NUL	1	8cm quartz vein within siliceous propylitic granodiorite hosting blebby pyrite, sphalerite, and galena. Found against the contact of a medium red dyke contact			
								Py	15	BL
								Gn	5	BL
								Sp	20	BL
38.72	38.80	BX	34	70	NUL	1	Black breccia found within argillic/propylitic altered granodiorite. Breccia carries blebby pyrite, phyllic granodiorite, quartz, and carbonate.			
								Py	4	BL
45.79	45.99	VN	37	85	NUL	1	Siliceous phyllic/propylitic granodiorite carrying a 20cm quartz vein hosting massive pyrite, blebby honey brown sphalerite, arsenopyrite, and disseminated blebs of chalcopyrite.			
								Sp	10	BL
								Py	70	MA
								Cp	5	BL
								As	10	BL
46.73	47.07	VN	37	85	NUL	1	Gouged vein zone carrying a quartz and smokey quartz veins. Veins carry blebby and disseminated pyrite, and disseminated sphalerite throughout.			
								Sp	3	DI
								Py	2	BL
								Py	5	DI
52.00	52.36	VN	37	75	NUL	4	Phyllic/propylitic granodiorite carrying quartz and quartz carbonate veins to veinlets that host disseminated to blebby sphalerite, arsenopyrite, and pyrite.			
								Py	4	DI
								As	3	DI
								Sp	3	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
52.44	52.68	VN	37	70	NUL	1	Phyllic to propylitic altered granodiorite carrying a vein zone of three significant sulfide bearing quartz veins. The first vein is a 14cm quartz vein hosting massive pyrite, blebby sphalerite, blebby arsenopyrite, and disseminated galena. This is followed by a 6.5cm smokey quartz/carbonate vein carrying disseminated pyrite, and finally a 12cm quartz vein hosting blebby pyrite, galena, and minor disseminated sphalerite. All three veins are separated by granodiorite that has undergone quartz flooding and carries both minor carbonate/quartz veinlets and disseminated pyrite.			
								Py	10	MA
								Gn	6	BL
								Sp	6	BL
								As	2	DI
								Py	12	BL
55.72	55.77	VN	37	85	NUL	1	5cm quartz vein hosting blebby sphalerite, galena, and pyrite along the upper selvedge, and blebby arsenopyrite along the lower selvedge of the quartz vein. Found within phyllic altered granodiorite			
								As	7	BL
								Sp	15	BL
								Py	2	BL
								Gn	5	BL
68.37	68.46	VN	37	75	NUL	1	9cm quartz vein hosting massive sphalerite, blebby chalcopyrite, blebby pyrite, disseminated to blebby arsenopyrite, and blebby galena. Vein found within phyllic altered granodiorite. ?Similar in mineralization style to BYG veining?			
								Cp	2	BL
								Py	10	BL
								Gn	15	BL
								Sp	60	MA
								As	5	DI
71.60	71.65	VN	37	60	NUL	1	5cm quarttz vein hosting blebby sphalerite, galena, pyrite, and arsenopyrite. Found within phyllic/propylitic halo.			
								Py	5	BL
								As	2	BL
								Gn	4	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	9	BL
78.84	78.87	VN	37	75	NUL	1	3cm quartz vein hosting blebby pyrite, disseminated blebs of sphalerite, and disseminated arsenopyrite. Found within a propylitic/phyllic halo.			
								As	2	DI
								Sp	3	BL
								Py	4	BL
83.39	83.51	VN	37	85	NUL	2	Phyllic granodiorite hosting two quartz carbonate veins. Displays vuggy textures.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382998	6890254	1343.4	116.13

ZONE: Central Klaza

SECTION:

HOLE: KL-16-335

CLAIM: Klaza 17

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth:

Drilling Dates: Aug 01 - Aug 02, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
23.46	35	-51.2	Reflex
114.9	41.7	-51.2	Reflex

TARGET: Lower Klaza Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.78	1.78	CAS
1.78	7.14	5.36	OVB
7.14	9.24	2.1	GRD
9.24	16.21	6.97	QFP
16.21	36.36	20.15	GRD
36.36	55.39	19.03	GRD
55.39	57	1.61	GRD
57	57.61	0.61	GRD
57.61	65.6	7.99	GRD
65.6	90.96	25.36	GRD
90.96	97.3	6.34	GRD
97.3	100.77	3.47	GRD
100.77	105.23	4.46	GRD
105.23	111.13	5.9	GRD
111.13	115.49	4.36	QFP
115.49	116.13	0.64	GRD

SAMPLES	
Numbers:	K292825, R616056 to R616087
Total:	33
Batch:	092, 104, 105
Certificates:	VA16129499, VA16129520, VA16129521

COMMENTS

Box Log

KL-16-335

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.78	7.44
2	7.44	11.53
3	11.53	15.8
4	15.8	20.1
5	20.1	24.77
6	24.77	29
7	29	33.18
8	33.18	37.59
9	37.59	41.94
10	41.94	46.18
11	46.18	50.38
12	50.38	54.7
13	54.7	58.84
14	58.84	62.98
15	62.98	67.24
16	67.24	71.26
17	71.26	75.49
18	75.49	79.7
19	79.7	83.85
20	83.85	87.75
21	87.75	91.77
22	91.77	95.42
23	95.42	99.38
24	99.38	102.91
25	102.91	107
26	107	111.34
27	111.34	115.34
28	115.34	116.13

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-335									
	104.22	18.5	NQ2	GRD	1065.6	667.3	2.71	2.7	Argillic granodiorite with patchy propylitic alteration. Displays weak hematization and chloritization.
	112.42	18.5	NQ2	QFP	984	626.8	2.5	2.8	Dark grey quartz feldspar porphyry dyke. Weakly magnetic.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.78	7.14	5.36	OVB	--	Heavily oxidized overburden.							
						MD	BR					
						MD	OR					
						LT	BR					
						LT	OR					
7.14	9.24	2.10	GRD	MG	Moderately oxidized and fractured granodiorite displaying breakdown.							
						LT	OR	RB				
						LT	BR	FR	OXI	3I		
9.24	16.21	6.97	QFP	FG	Light grey quartz feldspar porphyry dyke with highly fractured patches and weak to moderate oxidation found along fault and joint planes.							
						LT	GY	PO				
						LT	OR					
16.21	26.47	10.26	GRD	MG	Moderately argillic altered granodiorite with patchy of weak to moderate propylitic, weak phyllic, and sporadic patches of weak potassic overprinting. Zone carries weakly to moderately quartz flooded phyllic to propylitic halos carrying mineralized quartz veins. Some of these halos are gouged and re-healed.							
						MD	GN	PA	PRO	2I	Sp	1
						LT	GN	FR	PHC	2I	Py	1
						LT	PK		PRO	3I	Gn	1
									POT	2I	Py	1
									ARG	3I		
26.47	30.64	4.17	GRD	MG	Weak argillic/phyllic to phyllic altered granodiorite that has been weakly gouged and re-healed. Interval carries numerous quartz veins hosting disseminated pyrite.							
						MD	WH		PHC	2I		
						LT	GN	PA	ARG	2I	Py	1
36.36	55.39	19.03	GRD	MG	Weak to moderately phyllic/propylitic altered granodiorite displaying weak to slightly moderate quartz flooding alternating with argillic altered granodiorite displaying propylitic to weak phyllic overprinting. Small zone of unaltered granodiorite present. Interval displays highly fractured areas in patches throughout.							
						MD	GN		PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH		PRO	2I	Py	1
						LT	GN	PA	PHC	2I	Sp	1
									PRO	3I	Gn	1
									ARG	2I		
									SIL	3I		
55.39	57.00	1.61	GRD	MG	Zone of rubbly and gouged propylitic/phyllic altered granodiorite coated in black pyrite rich clay material. Carries disseminated pyrite throughtout.							
						MD	BL	RB	CLY	3I	Py	6
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
									PHC	2I		
									PHC	3I		
57.00	57.61	0.61	GRD	MG	Gouge altered and broken down argillic granodiorite with trace propylitic overprinting. Patchy soft areas within more competent gouged granodiorite.							
						LT	GY	RB	ARG	3I		
									CLY	3I		
57.61	65.60	7.99	GRD	MG	Patchy weak argillic to phyllic altered granodiorite with patchy propylitic overprinting. Hosts multiple mineralized quartz carbonate veins within.							
						LT	GN	PA	PHC	2I	Gn	1
						LT	WH		ARG	2I	Sp	1
									PRO	2I	Py	1
65.60	90.96	25.36	GRD	MG	Unaltered granodiorite with small patches of weak argillic and propylitic alteration patches. Argillic altered granodiorite displays moderate fracturing.							
						LT	WH	PA	PRO	1I	Py	0.1
						LT	GN		ARG	1I		
									PRO	2I		
									ARG	2I		
90.96	97.30	6.34	GRD	MG	Patchy zones of weak to moderately altered siliceous propylitic, phyllic, and argillic with weak phyllic/propylitic overprinting. Argillic/propylitic alteration displays chloritization in stringers throughout.							
						MD	WH	PA	PRO	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		ARG	2I		
						LT	GN	FR	PRO	3I		
									PHC	2I		
									CHL	2I		
									ARG	2I		
97.30	100.11	2.81	GRD	MG	Weak to moderately quartz flooded granodiorite with propylitic alteration. Granodiorite has been both chloritized and undergone hematization, both of which range from weak to strong as the interval progresses.							
						MD	GN	FR	HEM	3I		
						MD	RD		CHL	3I		
						LT	GN	PA	HEM	2I		
						LT	RD		CHL	2I		
						DK	GN		HEM	4I		
						DK	RD		CHL	4I		
									SIL	3I		
									PRO	3I		
100.11	100.36	0.25	GRD	MG	Intensely hematized and chloritized zone with two calcite veins present within.							
						DK	GN		CHL	4I		
						DK	RD		HEM	5I		
100.77	105.23	4.46	GRD	MG	Intensely fractured argillic to propylitic altered granodioroite with trace to weak hematization and chloritization throughout.							
						LT	GN	RB	CHL	2I		
						LT	WH	FR	HEM	2I		
						LT	RD		ARG	2I		
									PRO	2I		
105.23	111.13	5.90	GRD	MG	Granodiorite with trace to weak hematization and chlorite stringers alternating with propylitic altered grnaodiorite. Interval contains a halo of phyllic alteration.							
						MD	GN		PRO	2I		
						LT	GN	PA	PRO	1I		
						LT	RD		PHC	2I		
									HEM	2I		
									CHL	1I		
									CHL	2I		
									HEM	1I		
115.49	116.13	0.64	GRD	MG	Weakly hematite/chlorite altered granodiorite. Highly fractured along lower end of interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	RD	PA	HEM	2I		
						LT	GN	FR	CHL	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.78	7.14	5.36	OVB	--	Heavily oxidized overburden.							
						LT	BR					
						MD	BR					
						MD	OR					
						LT	OR					
7.14	9.24	2.10	GRD	MG	Moderately oxidized and fractured granodiorite displaying breakdown.							
						LT	BR	FR	OXI	3I		
						LT	OR	RB				
9.24	16.21	6.97	QFP	FG	Light grey quartz feldspar porphyry dyke with highly fractured patches and weak to moderate oxidation found along fault and joint planes.							
						LT	GY	PO				
						LT	OR					
16.21	36.36	20.15	GRD	MG	Moderately argillic altered granodiorite with patchy of weak to moderate propylitic, weak phyllic, and sporadic patches of weak potassic overprinting. Zone carries weakly to moderately quartz flooded phyllic to propylitic halos carrying mineralized quartz veins. Halos display weak to moderate quartz flooding, and some of these halos are gouged and re-healed.							
						LT	PK		PRO	3I	Gn	1
									POT	2I	Py	1
						MD	GN	PA	PRO	2I	Sp	1
						LT	GN	FR	PHC	2I	Py	1
									ARG	3I		
36.36	55.39	19.03	GRD	MG	Weak to moderately phyllic/propylitic altered granodiorite displaying weak to slightly moderate quartz flooding alternating with argillic altered granodiorite displaying propylitic to weak phyllic overprinting. Small zone of unaltered granodiorite present. Interval displays highly fractured areas in patches throughout.							
									SIL	3I		
						LT	GN	PA	PHC	2I	Sp	1
						MD	GN		PHC	3I	Py	1
						MD	WH		PRO	2I	Py	1
									PRO	3I	Gn	1
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
55.39	57.00	1.61	GRD	MG	Zone of rubbly and gouged propylitic/phyllic altered granodiorite coated in black pyrite rich clay material. Carries disseminated pyrite throughtout.							
									PHC	3I		
						LT	GN		PRO	2I		
						MD	GN		PRO	3I		
									PHC	2I		
						MD	BL	RB	CLY	3I	Py	6
57.00	57.61	0.61	GRD	MG	Gouge altered and broken down argillic granodiorite with trace propylitic overprinting. Patchy soft areas within more competent gouged granodiorite.							
									CLY	3I		
						LT	GY	RB	ARG	3I		
57.61	65.60	7.99	GRD	MG	Patchy weak argillic to phyllic altered granodiorite with patchy propylitic overprinting. Hosts multiple mineralized quartz carbonate veins within.							
						LT	GN	PA	PHC	2I	Gn	1
									PRO	2I	Py	1
						LT	WH		ARG	2I	Sp	1
65.60	90.96	25.36	GRD	MG	Unaltered granodiorite with small patches of weak argillic and propylitic alteration patches. Argillic altered granodiorite displays moderate fracturing.							
									PRO	2I		
						LT	WH	PA	PRO	1I	Py	0.1
						LT	GN		ARG	1I		
									ARG	2I		
90.96	97.30	6.34	GRD	MG	Patchy zones of weak to moderately altered siliceous propylitic, phyllic, and argillic with weak phyllic/propylitic overprinting. Argillic/propylitic alteration displays chloritization in stringers throughout.							
									PHC	2I		
									ARG	2I		
									CHL	2I		
						MD	GN		ARG	2I		
						MD	WH	PA	PRO	2I	Py	1
						LT	GN	FR	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
97.30	100.77	3.47	GRD	MG	Weak to moderately quartz flooded granodiorite with propylitic alteration. Granodiorite has been both chloritized and undergone hematization, both of which range from weak to strong as the interval progresses.							
						DK	GN		HEM	4I		
									PRO	3I		
						DK	RD		CHL	4I		
									SIL	3I		
						MD	GN	FR	HEM	3I		
						LT	GN	PA	HEM	2I		
						LT	RD		CHL	2I		
						MD	RD		CHL	3I		
100.77	105.23	4.46	GRD	MG	Intensely fractured argillic to propylitic altered granodioroite with trace to weak hematization and chloritization throughout.							
						LT	RD		ARG	2I		
						LT	GN	RB	CHL	2I		
						LT	WH	FR	HEM	2I		
									PRO	2I		
105.23	111.13	5.90	GRD	MG	Granodiorite with trace to weak hematization and chlorite stringers alternating with propylitic altered grnaodiorite. Interval contains a halo of phyllic alteration.							
									HEM	2I		
						LT	GN	PA	PRO	1I		
						MD	GN		PRO	2I		
									HEM	1I		
									CHL	1I		
									CHL	2I		
						LT	RD		PHC	2I		
115.49	116.13	0.64	GRD	MG	Weakly hematite/chlorite altered granodiorite. Highly fractured along lower end of interval.							
						LT	RD	PA	HEM	2I		
						LT	GN	FR	CHL	2I		
						MD	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.78	1.78	0	0	0.00	0	--	--	--	Cased
1.78	2.13	0.35	0.29	83	0.23	66	--	3H	1W	Boulder
2.13	5.18	3.05	1.21	40	0.00	0	--	1H	5W	
5.18	8.23	3.05	2.19	72	0.00	0	--	1H	5W	
8.23	11.28	3.05	2.91	95	0.37	12	--	2H	4W	
11.28	14.33	3.05	2.98	98	1.20	39	--	3H	2W	
14.33	17.37	3.04	3.04	100	1.26	41	--	3H	2W	
17.37	20.42	3.05	3.04	100	2.11	69	--	3H	1W	
20.42	23.47	3.05	2.52	83	1.89	62	--	3H	1W	Lost core
23.47	26.52	3.05	3.02	99	0.88	29	--	2H	1W	Gouge
26.52	29.57	3.05	3.03	99	1.25	41	--	2H	1W	
29.57	32.61	3.04	3.03	100	1.29	42	--	3H	1W	
32.61	35.66	3.05	3.05	100	2.35	77	--	3H	1W	
35.66	38.71	3.05	3.01	99	0.78	26	--	3H	1W	
38.71	41.76	3.05	3	98	2.17	71	--	4H	1W	
41.76	44.81	3.05	3.05	100	2.00	66	--	3H	1W	
44.81	47.85	3.04	3.04	100	1.13	37	--	2H	1W	
47.85	50.90	3.05	3.03	99	0.75	25	--	2H	1W	
50.90	53.95	3.05	3.05	100	1.33	44	--	2H	1W	
53.95	57.00	3.05	3.04	100	0.27	9	--	2H	1W	Gouge
57.00	60.05	3.05	2.98	98	1.38	45	--	2H	1W	
60.05	63.09	3.04	3.04	100	1.23	40	--	3H	1W	
63.09	66.14	3.05	3.04	100	1.98	65	--	3H	1W	
66.14	69.19	3.05	3.04	100	1.05	34	--	3H	1W	
69.19	72.24	3.05	3.05	100	1.84	60	--	4H	1W	
72.24	75.29	3.05	3.02	99	0.80	26	--	3H	1W	
75.29	78.33	3.04	3	99	1.29	42	--	3H	1W	
78.33	81.38	3.05	3.05	100	0.12	4	--	2H	1W	Gouge
81.38	84.43	3.05	3.03	99	0.25	8	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	0.83	27	--	3H	1W	
87.48	90.53	3.05	3.02	99	0.73	24	--	3H	1W	
90.53	93.57	3.04	3.04	100	0.32	11	--	2H	1W	
93.57	96.62	3.05	3.05	100	0.58	19	--	3H	1W	
96.62	99.67	3.05	3.04	100	1.40	46	--	3H	1W	
99.67	102.72	3.05	2.84	93	0.00	0	--	2H	1W	
102.72	105.77	3.05	3.04	100	1.37	45	--	3H	1W	
105.77	108.81	3.04	3	99	0.96	32	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.70	56	--	4H	1W	
111.86	114.91	3.05	3.05	100	1.06	35	--	4H	1W	
114.91	116.13	1.22	1.18	97	0.73	60	--	4H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
2	12.83	OVB	
3	28.73	OVB	
9	0.236	GRD	
10	0.388	QFP	
11	0.234	QFP	
12	0.245	QFP	
13	0.264	QFP	
14	0.268	QFP	
15	0.346	QFP	
16	0.231	QFP	
17	0.278	GRD	
18	0.316	GRD	
19	0.572	GRD	
20	0.533	GRD	
21	0.306	GRD	
22	0.219	GRD	
23	0.217	GRD	
24	0.304	GRD	
25	0.334	GRD	
26	0.387	GRD	
27	0.403	GRD	
28	0.492	GRD	
29	0.065	GRD	
30	0.401	GRD	
31	0.949	GRD	
32	5.625	GRD	
33	5.218	GRD	
34	0.207	GRD	
35	1.003	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
36	3.216	GRD	
37	0.575	GRD	
38	0.56	GRD	
39	0.389	GRD	
40	0.358	GRD	
41	0.594	GRD	
42	0.631	GRD	
43	0.628	GRD	
44	0.828	GRD	
45	0.688	GRD	
46	0.147	GRD	
47	0.263	GRD	
48	0.048	GRD	
49	0.068	GRD	
50	0.754	GRD	
51	0.917	GRD	
52	0.529	GRD	
53	0.26	GRD	
54	0.281	GRD	
55	0.21	GRD	
56	0.156	GRD	
57	0.469	GRD	
57	0.469	GRD	
58	0.278	GRD	
59	0.426	GRD	
60	0.573	GRD	
61	0.726	GRD	
62	0.406	GRD	
63	0.321	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
64	0.319	GRD	
65	0.729	GRD	
66	0.687	GRD	
67	32.52	GRD	
68	0.795	GRD	
69	30.4	GRD	
70	26.49	GRD	
71	30.86	GRD	
72	30.72	GRD	
73	34.3	GRD	
74	25.51	GRD	
75	25.94	GRD	
76	24.87	GRD	
77	40.48	GRD	
78	0.388	GRD	
79	12.65	GRD	
80	26.06	GRD	
81	4.83	GRD	
82	13.89	GRD	
83	25.16	GRD	
84	12.8	GRD	
85	0.228	GRD	
86	20.99	GRD	
87	7.5	GRD	
88	3.114	GRD	
89	30.01	GRD	
90	34.76	GRD	
91	0.666	GRD	
92	0.238	GRD	
93	0.556	GRD	
94	0.607	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
95	0.497	GRD	
96	0.586	GRD	
97	13.58	GRD	
98	11.19	GRD	
99	5.317	GRD	
100	4.167	GRD	
101	19.4	GRD	
102	13.21	GRD	
103	1.29	GRD	
104	0.695	GRD	
105	9.77	GRD	
106	15.9	GRD	
107	13.3	GRD	
108	40.8	GRD	
109	25.3	GRD	
110	1.46	GRD	
111	16.8	GRD	
112	56.1	QFP	
113	53.5	QFP	
114	68.1	QFP	
115	66.6	QFP	
116	54.6	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R616068	☐	16-104			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616078	☐	16-104		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616058	☐	16-104		KL-STD1	☐	☐	☐
20.42	21.42	1.00	GRD	1.00	100	R616056	☐	16-104			☐	☐	☐
21.42	21.93	0.51	GRD	0.51	100	R616057	☐	16-104			☐	☐	☐
21.93	23.47	1.54	GRD	1.03	67	R616059	☐	16-104			☐	☐	☐
23.47	26.52	3.05	GRD	3.05	100	R616060	☐	16-104			☐	☐	☐
26.52	27.18	0.66	GRD	0.66	100	R616061	☐	16-104			☐	☐	☐
27.18	28.70	1.52	GRD	1.52	100	R616062	☐	16-104			☐	☐	☐
28.70	29.57	0.87	GRD	0.87	100	R616063	☐	16-104			☐	☐	☐
28.70	29.57	0.87	GRD	0.87	100	R616064	☐	16-104			☐	☑	☐
29.57	32.61	3.04	GRD	3.04	100	R616065	☐	16-104			☐	☐	☐
32.61	33.47	0.86	GRD	0.86	100	R616066	☐	16-104			☐	☐	☐
33.47	33.98	0.51	GRD	0.51	100	R616067	☐	16-104			☐	☐	☐
33.98	35.66	1.68	GRD	1.68	100	R616069	☐	16-104			☐	☐	☐
43.60	45.12	1.52	GRD	0.52	34	R616070	☐	16-104			☐	☐	☐
45.12	46.16	1.04	GRD	1.04	100	R616071	☐	16-104			☐	☐	☐
46.16	48.64	2.48	GRD	2.48	100	R616072	☐	16-104			☐	☐	☐
48.64	50.90	2.26	GRD	2.26	100	R616073	☐	16-104			☐	☐	☐
50.90	51.90	1.00	GRD	1.00	100	R616074	☐	16-104			☐	☐	☐
50.90	51.90	1.00	GRD	1.00	100	R616075	☐	16-104			☐	☐	☑
51.90	53.11	1.21	GRD	1.21	100	R616076	☐	16-104			☐	☐	☐
53.11	54.41	1.30	GRD	1.30	100	R616077	☐	16-104			☐	☐	☐
54.41	55.41	1.00	GRD	1.00	100	R616079	☐	16-104			☐	☐	☐
55.41	56.21	0.80	GRD	0.80	100	R616080	☐	16-104			☐	☐	☐
56.21	57.00	0.79	GRD	0.79	100	K292825	☐	16-092	High Grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
57.00	57.54	0.54	GRD, GRD	0.54	100	R616081	☐	16-104			☐	☐	☐
57.54	59.45	1.91	GRD	1.91	100	R616082	☐	16-104			☐	☐	☐
59.45	60.19	0.74	GRD	0.74	100	R616083	☐	16-104			☐	☐	☐
60.19	63.23	3.04	GRD	3.04	100	R616084	☐	16-105			☐	☐	☐
63.23	64.07	0.84	GRD	0.84	100	R616085	☐	16-105			☐	☐	☐
64.07	64.57	0.50	GRD	0.50	100	R616087	☐	16-105			☐	☐	☐
64.57	65.17	0.60	GRD	0.60	100	R616086	☐	16-105			☐	☐	☐

KL-16-335
Central Klaza

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	20.42			☐	☐	☐	☐	
16-104	R616058	0.00	0.00	4.27	1340	☐	☐	☐	☑ KL-STD1	
16-104	R616068	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-104	R616078	0.00	0.00	0.89	1090	☐	☐	☐	☑ KL-STD5	
16-104	R616056	20.42	21.42	0.04	1010	☐	☐	☐	☐	
16-104	R616057	21.42	21.93	0.26	310	☐	☐	☐	☐	
16-104	R616059	21.93	23.47	0.01	790	☐	☐	☐	☐	
16-104	R616060	23.47	26.52	0.04	1520	☐	☐	☐	☐	
16-104	R616061	26.52	27.18	0.57	1110	☐	☐	☐	☐	
16-104	R616062	27.18	28.70	0.30	1060	☐	☐	☐	☐	
16-104	R616063	28.70	29.57	0.01	880	☐	☐	☐	☐	
16-104	R616064	28.70	29.57	0.01	910	☑	☐	☐	☐	
16-104	R616065	29.57	32.61	0.01	2120	☐	☐	☐	☐	
16-104	R616066	32.61	33.47	0.02	2070	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-104	R616067	33.47	33.98	0.45	600	☐	☐	☐	☐	
16-104	R616069	33.98	35.66	0.01	2060	☐	☐	☐	☐	
		35.66	43.60			☐	☐	☐	☐	
16-104	R616070	43.60	45.12	0.09	2190	☐	☐	☐	☐	
16-104	R616071	45.12	46.16	0.39	710	☐	☐	☐	☐	
16-104	R616072	46.16	48.64	0.02	1140	☐	☐	☐	☐	
16-104	R616073	48.64	50.90	0.03	1190	☐	☐	☐	☐	
16-104	R616074	50.90	51.90	0.01	2000	☐	☐	☐	☐	
16-104	R616075	50.90	51.90	0.01	1850	☐	☑	☐	☐	
16-104	R616076	51.90	53.11	0.34	1110	☐	☐	☐	☐	
16-104	R616077	53.11	54.41	0.07	1040	☐	☐	☐	☐	
16-104	R616079	54.41	55.41	0.13	1040	☐	☐	☐	☐	
16-104	R616080	55.41	56.21	0.20	1960	☐	☐	☐	☐	
16-092	K292825	56.21	57.00	4.38	240	☐	☐	☐	☐	
16-104	R616081	57.00	57.54	0.01	1600	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-104	R616082	57.54	59.45	0.00	1890	☐	☐	☐	☐	
16-104	R616083	59.45	60.19	0.03	1080	☐	☐	☐	☐	
16-105	R616084	60.19	63.23	0.02	1800	☐	☐	☐	☐	
16-105	R616085	63.23	64.07	0.81	2210	☐	☐	☐	☐	
16-105	R616087	64.07	64.57	0.03	1140	☐	☐	☐	☐	
16-105	R616086	64.57	65.17	0.34	1870	☐	☐	☐	☐	
		65.17	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
26.52	27.17	VN	37	-	NUL	4	Gouged and re-healed phyllic altered granodiorite carrying 4 gouged quartz veins hosting disseminated to blebby pyrite, and sporadic blebs of sphalerite.			
								Sp	2	BL
								Py	4	BL
								Py	6	DI
33.75	33.80	VN	37	75	NUL	1	5cm quartz vein within argillic/phyllic granodiorite hosting blebby a band of blebby sphalerite along the upper vein selvedge, blebby pyrite, and blebby to disseminated galena.			
								Sp	10	BL
								Gn	3	BL
								Gn	2	DI
								Py	15	BL
45.20	46.16	VN	37	80	NUL	5	Five quartz veins found within phyllic altered granodiorite. Quartz veins range from 1 to 4.5 cm, hosting disseminated to blebby pyrite, and disseminated galena.			
								Gn	1	DI
								Py	3	DI
								Py	7	BL
52.00	52.03	VN	37	80	NUL	1	2.5 cm quartz carbonate vein hosting disseminated blebs of sphalerite, and minor disseminated pyrite.			
								Sp	3	BL
								Py	1	DI
52.61	52.98	VN	37	70	NUL	2	Two 2-2.5cm quartz to quartz carbonate veins hosting disseminated to blebby pyrite.			
								Py	2	BL
								Py	2	DI
56.23	57.00	VN	37	-	NUL	1	Zone of rubbly and gouged propylitic/phyllic altered granodiorite coated in black pyrite rich clay material. Disseminated pyrite found throughout, as well as blebby sphalerite, and pyrite.			
								Py	3	BL
								Py	7	DI
								Sp	3	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
63.31	63.52	VN	37	60	NUL	3	Phyllic altered granodiorite zone hosting three smokey quartz/quartz veins ranging from 0.7 to 4cm wide. Smaller smokey quart veins display a slight net texture, and host disseminated pyrite, sphalerite, and galena. The larger 4cm vein is a quartz carbonate vein hosting blebby pyrite, sphalerite, and disseminated galena.			
								Py	6	DI
								Py	1	BL
								Sp	1	DI
								Gn	2	DI
								Sp	4	BL
63.93	64.05	VN	37	60	NUL	1	8cm quartz carbonate vein found within phyllic altered granodiorite. Vein hosts blebby galena, sphalerite, and pyrite throughout. Carbonate veinlets crosscut both quartz veining and mineralization.			
								Sp	7	BL
								Gn	9	BL
								Py	5	BL
100.11	100.36	VB	37	-	NUL	3	Intensely hematized and chloritized zone with two calcite veins present within.			

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383163	6889384	1431.17	191.11

ZONE: Stroshein

SECTION:

HOLE: KL-16-336

CLAIM: Klaza 7

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth:

Drilling Dates: Aug 02 - Aug 03, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	31.8	-49.5	Reflex
188.06	39.4	-49.6	Reflex

TARGET: Stroshein Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.96	1.96	CAS
1.96	21.34	19.38	GRD
21.34	23.89	2.55	QFP
23.89	26.52	2.63	GRD
26.52	33.61	7.09	GRD
33.61	39.85	6.24	QFP
39.85	75.7	35.85	GRD
75.7	90.02	14.32	GRD
90.02	90.58	0.56	BXA
90.58	109.89	19.31	GRD
109.89	110.45	0.56	BXA
110.45	148.23	37.78	GRD
148.23	173.95	25.72	GRD
173.95	174.2	0.25	VEN
174.2	177.54	3.34	GRD
177.54	191.11	13.57	GRD

SAMPLES	
Numbers:	K292821 to K292824, K292826, R615019 to R615069
Total:	56
Batch:	092, 102, 103, 105
Certificates:	VA16129499, VA16129515, VA16129519, VA16129521

COMMENTS

KL-16-336

Box Number	From (m)	To (m)
1	1.96	8.6
2	8.6	14.8
3	14.8	19.4
4	19.4	23
5	23	26.85
6	26.85	30.95
7	30.95	35
8	35	38.95
9	38.95	43.1
10	43.1	47.22
11	47.22	51.31
12	51.31	55.3
13	55.3	59.19
14	59.19	63.15
15	63.15	67.4
16	67.4	71.6
17	71.6	75.7
18	75.7	79.63
19	79.63	83.78
20	83.78	87.94
21	87.94	92
22	92	96.18
23	96.18	100.23
24	100.23	104.36
25	104.36	108.49
26	108.49	112.69
27	112.69	116.85
28	116.85	120.96
29	120.96	124.53
30	124.53	128.87
31	128.87	133.2
32	133.2	137.24
33	137.24	141
34	141	145.17
35	145.17	148.95
36	148.95	153.23
37	153.23	157.17
38	157.17	161.15
39	161.15	165.4
40	165.4	169.7
41	169.7	173.79
42	173.79	178.15
43	178.15	182.25
44	182.25	186.45
45	186.45	191.11

Box Number	From (m)	To (m)

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-336									
	41.41	19.5	NQ2	GRD	1022.5	658.8	2.47	2.8	Granodiorite cut by a low angle quartz-pyrite vein with an intense, narrow, phyllic halo.
	84.52	10.5	NQ2	GRD	776.3	569.1	3.48	3.8	Vein with thick bands of quartz, pyrite, carbonate, and thinner smoky quartz.
	110.08	12	NQ2	BXA	920.3	674.9	3.61	3.8	Massive quartz-pyrite vein hosting blebby chalcopyrite and galena.
	173.95	10	NQ2	GRD	677.4	478.6	3.19	3.4	Stroshein vein: Multiphase, polymetallic quartz vein. Centre of vein is massive white quartz and blebby-massive pyrite and blebby chalcopyrite. The outer selvedges of the vein are dominated by banded smoky quartz and white quartz-carbonate. Blebby blackjack sphalerite and galena are found closest to smoky quartz and carbonate phases.
	173.95	10	NQ2	VEN	677.4	478.6	3.19	3.4	Stroshein vein: Multiphase, polymetallic quartz vein. Centre of vein is massive white quartz and blebby-massive pyrite and blebby chalcopyrite. The outer selvedges of the vein are dominated by banded smoky quartz and white quartz-carbonate. Blebby blackjack sphalerite and galena are found closest to smoky quartz and carbonate phases.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.96	21.34	19.38	GRD	MG	Intense pervasivly oxidized granodiorite with significant fracturing - nearly all of the recovery is rubbly and crumbled, with clay gouge. Some short intervals have lighter, yellowish oxide on fracture surfaces. Sharp contact with quartz feldspar porphyry dyke.							
						MD	BN	RB	OXI	5I		
						LT	YW	FR				
						DK	BN					
21.34	23.89	2.55	QFP	FG	Pervasively oxidized quartz feldspar porphyry dyke with strong hydrothermal alteration.							
						MD	BN		OXI	4I		
									HYD	4I		
23.89	26.52	2.63	GRD	MG	Intensely phyllic altered granodiorite with intense fracturing and quartz-pyrite veining. Semi-pervasive oxide is found on fracture surfaces and in clays.							
						LT	GY	RB	PHC	5I	Py	5
						LT	BN	FR	OXI	2I		
26.52	33.61	7.09	GRD	MG	Strong, pervasive oxidization throughout argillic granodiorite.							
						MD	BN		ARG	4I		
									OXI	4I		
33.61	39.85	6.24	QFP	FG	Strong pervasively oxide altered quartz feldspar porphyry dyke.							
						MD	BN	PO	OXI	4I		
									HYD	4I		
39.85	43.10	3.25	GRD	MG	Cut by few extremely low angle quartz-pyrite veins with narrow intense phyllic halos. Granodiorite has pervasive moderate oxide.							
						MD	BN					
						LT	GN		OXI	3I	Py	5
						LT	GY		PHC	4I		
43.10	57.10	14.00	GRD	MG	Granodiorite with alternating patches of phyllic/argillic vein envelopes and propylitic/potassic alterations, with weak oxide on surfaces. Cut by varying density of quartz-pyrite veins/veinlets.							
						MD	GY	PA	PHC	3I	Py	2
						MD	BN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	2I		
						LT	WH		ARG	2I		
									OXI	3I		
57.10	64.32	7.22	GRD	MG	Phyllic and argillic altered granodiorite with weak oxide on fractures. Cut by many discontinuous pyrite stringers and quartz-pyrite veins, some of which have banded carbonates.							
						LT	GN	PA	PHC	3I	Py	3
						LT	WH		ARG	3I		
						LT	BN		OXI	2I		
						LT	GY					
64.32	75.70	11.38	GRD	MG	Granodiorite with patches of moderate phyllic-argillic alteration introduced by quartz-pyrite veining. Weak oxide staining is on fracture surfaces.							
						MD	GY	EN	PHC	3I	Py	1
						MD	BN		ARG	2I		
						LT	GN	PA	OXI	2I	Py	1
75.70	90.02	14.32	GRD	MG	Generally fresher granodiorite with oxidization on fractures. Cut by rare quartz-pyrite veins with phyllic-argillic halos.							
						MD	GY	PA	OXI	2I	Py	0.1
						MD	BN	EN	PHC	2I		
						LT	GN		ARG	2I		
									PRO	2I		
									POT	1I		
90.02	90.58	0.56	BXA	CG	Multiphase polymetallic breccia. Initial phase is white massive quartz with massive pyrite. This is followed by massive-banded white-cream-tan ankerite-calcite-quartz. Finally, these are brecciated by smoky quartz hosting fine blebby pyrite. There is trace fine blebby galena present among blebby pyrite.							
						MD	TN				Gn	0.1
						LT	BN					
						LT	WH					
						DK	BK	BX			Py	15
90.58	93.12	2.54	GRD	MG	Pervasively oxide stained argillic altered granodiorite in halo of polymetallic breccia.							
						MD	BN		ARG	3I	Py	0.5
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	2I		
93.12	107.21	14.09	GRD	MG	Relatively fresh granodiorite with patchy phyllic-argillic alteration with oxide staining on fractures. Cut by rare quartz-pyrite veining with narrow phyllic-argillic halos.							
						MD	GY	PA	PRO	2I	Py	0.5
						MD	BN		PHC	2I		
						LT	GN		OXI	2I		
									ARG	2I		
107.21	109.89	2.68	GRD	MG	Pervasively oxide stained argillic altered granodiorite in halo of polymetallic vein.							
						MD	BN		ARG	3I		
						LT	WH		OXI	3I	Py	0.5
109.89	110.45	0.56	BXA	CG	Multiphase polymetallic vein dominated by a wide white massive quartz-pyrite vein with an 8 cm wide smoky quartz-carbonate breccia. Blebby to massive pyrite is found throughout, sometimes with blebs of chalcopyrite and galena.							
						MD	GY	MA			Cp	1
						MD	BR	BX	OXI	2I	Py	25
						MD	BN					
						LT	WH				Gn	1
110.45	111.80	1.35	GRD	MG	Moderately argillic altered granodiorite with pervasive oxide staining.							
						MD	BN		ARG	3I		
									OXI	2I		
111.80	141.00	29.20	GRD	MG	Relatively fresh granodiorite with patchy phyllic-argillic alteration with oxide staining on fractures. Cut by rare quartz-pyrite veining with narrow phyllic-argillic halos.							
						MD	GY	PA	PRO	1I	Py	0.1
						MD	GN		POT	1I		
						MD	PK		PHC	2I		
						LT	BN		OXI	1I		
						LT	GN		ARG	2I		
141.00	142.34	1.34	GRD	MG	Faulted, completely crumbled propylitic granodiorite.							
						MD	GY					
						LT	GN	RB	PRO	3I		
142.34	148.23	5.89	GRD	MG	Fresh granodiorite with fractured, crumbled sections and patchy propylitic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	2I		
						MD	GN	FR				
								RB				
148.23	173.95	25.72	GRD	MG	Wide hanging wall halo preceding the Stroshein vein. Patchy phyllic-argillic alteration in envelopes around mineralized quartz veining. Patchy weak propylitic and potassic alteration can also be found. Cut by a fault at 155.5 m. Disseminated pyrite hosted throughout phyllic groundmass.							
						MD	GY	PA	PRO	2I	Py	2
						MD	GN	EN	POT	2I		
						LT	PK	FR	PHC	3I		
						LT	GN		ARG	3I		
173.95	174.20	0.25	VEN	CG	Stroshein vein: Multiphase, polymetallic quartz vein. Centre of vein is massive white quartz and blebby-massive pyrite and blebby chalcopyrite. The outer selvedges of the vein are dominated by banded smoky quartz and white quartz-carbonate. Blebby blackjack sphalerite and galena are found closest to smoky quartz and carbonate phases.							
						MD	BR	MA			Sp	8
						LT	GY				Gn	2
						DK	BK	BN			Py	30
											Cp	5
174.20	177.54	3.34	GRD	MG	Stroshein vein footwall halo. Moderate phyllic and argillic alteration with weak potassic overprinting. Cut by few quartz-carbonate veins. Fine disseminated pyrite in phyllic groundmass.							
						LT	WH	PA	PHC	3I	Py	1
						LT	PK		ARG	3I		
						LT	GN		POT	2I		
177.54	191.11	13.57	GRD	MG	Strongly fractured fresh granodiorite with limited crumbling where most fractured.							
						MD	GY	FR				
								RB				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.96	21.34	19.38	GRD	MG	Intense pervasivly oxidized granodiorite with significant fracturing - nearly all of the recovery is rubbly and crumbled, with clay gouge. Some short intervals have lighter, yellowish oxide on fracture surfaces. Sharp contact with quartz feldspar porphyry dyke.							
						MD	BN	RB	OXI	5I		
						LT	YW	FR				
						DK	BN					
21.34	23.89	2.55	QFP	FG	Pervasively oxidized quartz feldspar porphyry dyke with strong hydrothermal alteration.							
						MD	BN	PO	OXI	4I		
									HYD	4I		
23.89	26.52	2.63	GRD	MG	Intensely phyllic altered granodiorite with intense fracturing and quartz-pyrite veining. Semi-pervasive oxide is found on fracture surfaces and in clays.							
						LT	GY	RB	PHC	5I	Py	5
						LT	BN	FR	OXI	2I		
26.52	33.61	7.09	GRD	MG	Strong, pervasive oxidization throughout argillic granodiorite.							
						MD	BN		ARG	4I		
									OXI	4I		
33.61	39.85	6.24	QFP	FG	Strong pervasively oxide altered quartz feldspar porphyry dyke.							
									HYD	4I		
						MD	BN	PO	OXI	4I		
39.85	75.70	35.85	GRD	MG	Granodiorite with alternating patches of phyllic/argillic vein envelopes and propylitic/potassic alterations, with weak oxide on surfaces. Cut by varying density of quartz-pyrite veins/veinlets.							
						LT	WH		ARG	2I		
						MD	BN		PRO	2I		
						LT	GN		POT	2I		
									OXI	3I		
						MD	GY	PA	PHC	3I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.70	90.02	14.32	GRD	MG	Generally fresher granodiorite with oxidization on fractures. Cut by rare quartz-pyrite veins with phyllic-argillic halos.							
						MD	BN	EN	PHC	2I		
									POT	1I		
						MD	GY	PA	OXI	2I	Py	0.1
									PRO	2I		
						LT	GN		ARG	2I		
90.02	90.58	0.56	BXA	CG	Multiphase polymetallic breccia. Initial phase is white massive quartz with massive pyrite. This is followed by massive-banded white-cream-tan ankerite-calcite-quartz. Finally, these are brecciated by smoky quartz hosting fine blebby pyrite. There is trace fine blebby galena present among blebby pyrite.							
						LT	WH					
						LT	BN					
						MD	TN				Gn	0.1
						DK	BK	BX			Py	15
90.58	109.89	19.31	GRD	MG	Relatively fresh granodiorite with patchy phyllic-argillic alteration with oxide staining on fractures. Cut by rare quartz-pyrite veining with narrow phyllic-argillic halos.							
						MD	GY	PA	PRO	2I	Py	0.5
						LT	GN		OXI	2I		
									ARG	2I		
						MD	BN		PHC	2I		
109.89	110.45	0.56	BXA	CG	Multiphase polymetallic vein dominated by a wide white massive quartz-pyrite vein with an 8 cm wide smoky quartz-carbonate breccia. Blebby to massive pyrite is found throughout, sometimes with blebs of chalcopyrite and galena.							
						MD	BN					
						LT	WH				Gn	1
						MD	BR	BX	OXI	2I	Py	25
						MD	GY	MA			Cp	1
110.45	148.23	37.78	GRD	MG	Relatively fresh granodiorite with patchy phyllic-argillic alteration with oxide staining on fractures. Cut by rare quartz-pyrite veining with narrow phyllic-argillic halos.							
						LT	BN		OXI	1I		
						MD	GY	PA	PRO	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						MD	PK		PHC	2I		
						LT	GN		ARG	2I		
148.23	173.95	25.72	GRD	MG	Wide hanging wall halo preceding the Stroshein vein. Patchy phyllic-argillic alteration in envelopes around mineralized quartz veining. Patchy weak propylitic and potassic alteration can also be found. Cut by a fault at 155.5 m. Disseminated pyrite hosted throughout phyllic groundmass.							
						LT	GN		ARG	3I		
						MD	GY	PA	PRO	2I	Py	2
						MD	GN	EN	POT	2I		
						LT	PK	FR	PHC	3I		
173.95	174.20	0.25	VEN	CG	Stroshein vein: Multiphase, polymetallic quartz vein. Centre of vein is massive white quartz and blebby-massive pyrite and blebby chalcopyrite. The outer selvedges of the vein are dominated by banded smoky quartz and white quartz-carbonate. Blebby blackjack sphalerite and galena are found closest to smoky quartz and carbonate phases.							
						DK	BK	BN			Py	30
						LT	GY				Gn	2
						MD	BR	MA			Sp	8
											Cp	5
174.20	177.54	3.34	GRD	MG	Stroshein vein footwall halo. Moderate phyllic and argillic alteration with weak potassic overprinting. Cut by few quartz-carbonate veins. Fine disseminated pyrite in phyllic groundmass.							
						LT	PK		ARG	3I		
						LT	GN		POT	2I		
						LT	WH	PA	PHC	3I	Py	1
177.54	191.11	13.57	GRD	MG	Strongly fractured fresh granodiorite with limited crumbling where most fractured.							
						MD	GY	FR				
								RB				

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.96	1.96	0	0	0.00	0	--	--	--	Cased
1.96	2.13	0.17	0.15	88	0.05	29	--	3H	3W	Boulder
2.13	5.18	3.05	0.66	22	0.00	0	--	1H	5W	
5.18	8.23	3.05	1.18	39	0.00	0	--	1H	5W	
8.23	11.28	3.05	0.96	31	0.13	4	--	1H	5W	
11.28	14.33	3.05	1.23	40	0.00	0	--	1H	5W	
14.33	17.37	3.04	1.57	52	0.10	3	--	1H	5W	
17.37	20.42	3.05	2.7	89	0.15	5	--	1H	5W	
20.42	23.47	3.05	2.75	90	0.85	28	--	2H	4W	
23.47	26.52	3.05	2.73	90	0.00	0	--	2H	3W	
26.52	29.57	3.05	2.69	88	0.11	4	--	2H	4W	
29.57	32.61	3.04	3.04	100	2.47	81	--	3H	3W	
32.61	35.66	3.05	3	98	2.33	76	--	3H	2W	
35.66	38.71	3.05	3.04	100	1.91	63	--	3H	3W	
38.71	41.76	3.05	3.02	99	2.00	66	--	3H	2W	
41.76	44.81	3.05	3	98	2.71	89	--	4H	2W	
44.81	47.85	3.04	3.02	99	1.87	62	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.26	74	--	3H	1W	
50.90	53.95	3.05	3.05	100	2.48	81	--	3H	1W	
53.95	57.00	3.05	3.02	99	1.44	47	--	4H	1W	
57.00	60.05	3.05	3.05	100	2.88	94	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.15	71	--	4H	1W	
63.09	66.14	3.05	3.02	99	2.82	92	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.31	76	--	4H	1W	
69.19	72.24	3.05	3.04	100	2.02	66	--	4H	1W	
72.24	75.29	3.05	2.99	98	1.75	57	--	4H	2W	
75.29	78.33	3.04	2.96	97	2.08	68	--	4H	2W	
78.33	81.38	3.05	3.02	99	1.71	56	--	4H	2W	
81.38	84.43	3.05	3.05	100	2.20	72	--	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	3.05	100	2.35	77	--	4H	2W	
87.48	90.53	3.05	3.03	99	1.76	58	--	4H	2W	
90.53	93.57	3.04	3.04	100	1.72	57	--	3H	3W	
93.57	96.62	3.05	3.04	100	2.47	81	--	4H	2W	
96.62	99.67	3.05	3	98	1.75	57	--	4H	2W	
99.67	102.72	3.05	3.05	100	2.41	79	--	4H	1W	
102.72	105.77	3.05	3.05	100	1.95	64	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.21	73	--	3H	2W	
108.81	111.86	3.05	3.04	100	1.67	55	--	3H	3W	
111.86	114.91	3.05	3.02	99	2.00	66	--	3H	3W	
114.91	117.96	3.05	3.05	100	1.97	65	--	5H	2W	
117.96	121.01	3.05	3.05	100	2.25	74	--	4H	1W	
121.01	124.05	3.04	2.99	98	1.67	55	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.15	70	--	5H	1W	
127.10	130.15	3.05	3.05	100	2.21	72	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.09	69	--	5H	1W	
133.20	136.25	3.05	3.03	99	1.60	52	--	5H	1W	
136.25	139.29	3.04	3.04	100	1.22	40	--	4H	1W	
139.29	142.34	3.05	3	98	0.11	4	--	1H	1W	Rubble
142.34	145.39	3.05	2.96	97	1.26	41	--	4H	1W	
145.39	148.44	3.05	3.03	99	1.30	43	--	4H	1W	
148.44	151.49	3.05	3.05	100	1.87	61	--	3H	2W	
151.49	154.53	3.04	3.04	100	2.04	67	--	3H	2W	
154.53	157.58	3.05	3.05	100	1.03	34	--	2H	2W	Gouge
157.58	160.63	3.05	3.05	100	2.35	77	--	4H	1W	
160.63	163.68	3.05	3.04	100	2.40	79	--	4H	1W	
163.68	166.73	3.05	3.05	100	1.61	53	--	4H	1W	
166.73	169.77	3.04	3	99	2.45	81	--	4H	1W	
169.77	172.82	3.05	3.05	100	2.35	77	--	4H	1W	
172.82	175.87	3.05	3.05	100	1.88	62	--	4H	1W	
175.87	178.92	3.05	3.01	99	1.97	65	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	3.05	100	1.92	63	--	3H	1W	
181.97	185.01	3.04	3.01	99	0.54	18	--	3H	1W	
185.01	188.06	3.05	3.02	99	1.27	42	--	3H	1W	
188.06	191.11	3.05	1.66	54	1.48	49	--	3H	1W	Drillers did not put full run or final block into box.

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
17	0.07	GRD	
18	0.17	GRD	
19	0.163	GRD	
20	0.125	GRD	
21	0.284	GRD	
22	0.308	QFP	
23	0.329	QFP	
24	0.155	GRD	
25	0.113	GRD	
26	0.068	GRD	
27	0.206	GRD	
28	0.16	GRD	
29	0.44	GRD	
30	0.282	GRD	
31	0.33	GRD	
32	0.227	GRD	
33	0.231	GRD	
34	0.496	QFP	
35	0.335	QFP	
36	0.364	QFP	
37	0.157	QFP	
38	0.361	QFP	
39	0.249	QFP	
40	0.228	GRD	
41	0.31	GRD	
42	1.813	GRD	
43	0.15	GRD	
44	0.22	GRD	
45	0.338	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
46	0.28	GRD	
47	0.66	GRD	
48	0.602	GRD	
49	16.14	GRD	
50	0.512	GRD	
51	0.352	GRD	
52	0.37	GRD	
53	0.269	GRD	
54	0.462	GRD	
55	0.334	GRD	
56	0.287	GRD	
57	0.772	GRD	
58	0.383	GRD	
59	0.205	GRD	
60	0.365	GRD	
61	0.127	GRD	
62	0.333	GRD	
63	0.237	GRD	
64	0.151	GRD	
65	7.001	GRD	
66	1.906	GRD	
67	0.185	GRD	
68	0.385	GRD	
69	0.264	GRD	
70	0.278	GRD	
71	0.326	GRD	
72	0.212	GRD	
73	0.229	GRD	
74	0.315	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
75	0.208	GRD	
76	4.345	GRD	
77	0.762	GRD	
78	12.2	GRD	
79	14.83	GRD	
80	1.901	GRD	
81	1.072	GRD	
82	1.213	GRD	
83	11.55	GRD	
84	11.32	GRD	
85	0.293	GRD	
86	4.271	GRD	
87	0.549	GRD	
88	0.23	GRD	
89	0.435	GRD	
90	10.83	GRD	
91	0.456	GRD	
92	0.444	GRD	
93	0.411	GRD	
94	14.27	GRD	
95	0.815	GRD	
96	0.36	GRD	
97	4.483	GRD	
98	0.499	GRD	
99	2.905	GRD	
100	12.41	GRD	
101	6.827	GRD	
102	0.205	GRD	
103	27.02	GRD	
104	1.534	GRD	
105	0.343	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
106	9.921	GRD	
107	0.709	GRD	
108	0.45	GRD	
109	0.481	GRD	
110	0.554	BXA	
111	0.242	GRD	
112	0.242	GRD	
113	0.245	GRD	
114	0.286	GRD	
115	0.37	GRD	
116	10.4	GRD	
117	21.7	GRD	
118	18.5	GRD	
119	20.1	GRD	
120	0.352	GRD	
121	6.249	GRD	
122	6.006	GRD	
123	8.708	GRD	
124	17.81	GRD	
125	20.7	GRD	
126	18.7	GRD	
127	23.8	GRD	
128	19.2	GRD	
129	17.5	GRD	
130	14.6	GRD	
131	15.5	GRD	
132	4.65	GRD	
133	3.81	GRD	
134	19.3	GRD	
135	27.7	GRD	
136	19.8	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
137	8.54	GRD	
138	23.7	GRD	
139	10.1	GRD	
140	30.9	GRD	
141	1.74	GRD	
142	0	GRD	Rubble Zone
143	0.463	GRD	
144	21.7	GRD	
145	21.5	GRD	
146	22.7	GRD	
147	5.7	GRD	
148	21.5	GRD	
149	0.274	GRD	
150	0.766	GRD	
151	0.195	GRD	
152	0.32	GRD	
153	0.428	GRD	
154	0.141	GRD	
155	0.185	GRD	
156	0	GRD	Rubble Zones
157	0.415	GRD	
158	0	GRD	
159	0.481	GRD	
160	0.476	GRD	
161	0.133	GRD	
162	0.203	GRD	
163	0.412	GRD	
164	0.272	GRD	
165	1.53	GRD	
166	1.58	GRD	
167	0.374	GRD	
168	0.501	GRD	
169	9.81	GRD	
170	1.7	GRD	
171	0.427	GRD	
172	0.487	GRD	
173	0.278	GRD	
174	0.476	VEN	
175	0.652	GRD	
176	0.286	GRD	
177	0.398	GRD	
178	2.83	GRD	
179	9.12	GRD	
180	21.6	GRD	
181	4.21	GRD	
182	21.6	GRD	
183	0	GRD	Fractured Zone
184	0	GRD	Fractured Zone
185	25.1	GRD	
186	15.9	GRD	
187	0.636	GRD	
188	0.797	GRD	
189	0.833	GRD	
190	0.512	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615032	☐	16-103		KL-STD2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615039	☐	16-103			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615054	☐	16-103		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615061	☐	16-103			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615022	☐	16-102			☑	☐	☐
8.23	11.28	3.05	GRD	1.91	63	R615019	☐	16-102			☐	☐	☐
11.28	14.28	3.00	GRD	0.86	29	R615020	☐	16-102			☐	☐	☐
23.89	26.52	2.63	QFP, GRD	1.67	63	R615021	☐	16-102			☐	☐	☐
26.52	29.24	2.72	GRD, GRD	1.30	48	R615023	☐	16-102			☐	☐	☐
39.82	41.76	1.94	QFP	1.94	100	R615024	☐	16-102			☐	☐	☐
41.76	43.40	1.64	GRD	1.60	98	R615025	☐	16-102			☐	☐	☐
43.40	46.41	3.01	GRD	2.91	97	R615026	☐	16-102			☐	☐	☐
57.10	60.05	2.95	GRD	2.95	100	R615027	☐	16-102			☐	☐	☐
60.05	61.33	1.28	GRD	1.28	100	R615028	☐	16-102			☐	☐	☐
61.33	63.15	1.82	GRD	1.75	96	R615029	☐	16-103			☐	☐	☐
63.15	64.57	1.42	GRD	1.42	100	R615030	☐	16-103			☐	☐	☐
64.57	66.87	2.30	GRD	2.09	91	R615031	☐	16-103			☐	☐	☐
66.87	69.19	2.32	GRD	2.27	98	R615033	☐	16-103			☐	☐	☐
69.19	70.82	1.63	GRD	1.61	99	R615034	☐	16-103			☐	☐	☐
70.82	73.01	2.19	GRD	2.19	100	R615035	☐	16-103			☐	☐	☐
70.82	73.01	2.19	GRD	2.19	100	R615036	☐	16-103			☐	☐	☑
73.01	73.73	0.72	GRD	0.58	81	R615037	☐	16-103			☐	☐	☐
73.73	75.70	1.97	GRD	1.86	94	R615038	☐	16-103			☐	☐	☐
75.70	76.87	1.17	GRD, GRD	1.17	100	R615040	☐	16-103			☐	☐	☐
83.28	84.43	1.15	GRD	1.15	100	R615041	☐	16-103			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
84.43	84.79	0.36	GRD	0.36	100	R615042	☐	16-103			☐	☐	☐
84.79	86.57	1.78	GRD	1.76	99	R615043	☐	16-103			☐	☐	☐
86.57	89.45	2.88	GRD	2.69	93	R615044	☐	16-103			☐	☐	☐
89.45	90.02	0.57	GRD	0.57	100	K292821	☐	16-092	High Grade		☐	☐	☐
89.45	90.02	0.57	GRD	0.57	100	K292822	☐	16-092	High Grade		☐	☐	☑
90.02	90.78	0.76	GRD, BXA	0.76	100	K292823	☐	16-092	High Grade		☐	☐	☐
90.78	92.00	1.22	GRD	1.11	91	R615045	☐	16-103			☐	☐	☐
92.00	93.12	1.12	GRD	0.95	85	R615046	☐	16-103			☐	☐	☐
107.21	108.81	1.60	GRD	1.60	100	R615047	☐	16-103			☐	☐	☐
107.21	108.81	1.60	GRD	1.60	100	R615048	☐	16-103			☐	☑	☐
108.81	109.89	1.08	GRD	1.08	100	R615049	☐	16-103			☐	☐	☐
109.89	110.45	0.56	GRD, BXA	0.45	80	K292824	☐	16-092	High Grade		☐	☐	☐
110.45	111.16	0.71	BXA, GRD	0.54	76	R615050	☐	16-103			☐	☐	☐
111.16	113.30	2.14	GRD	2.13	100	R615051	☐	16-103			☐	☐	☐
113.30	115.43	2.13	GRD	1.77	83	R615052	☐	16-103			☐	☐	☐
151.49	152.75	1.26	GRD	1.22	97	R615053	☐	16-103			☐	☐	☐
152.75	153.45	0.70	GRD	0.64	91	R615055	☐	16-103			☐	☐	☐
153.45	155.55	2.10	GRD	1.97	94	R615056	☐	16-103			☐	☐	☐
155.55	157.58	2.03	GRD	1.50	74	R615057	☐	16-103			☐	☐	☐
157.58	160.63	3.05	GRD	2.97	97	R615058	☐	16-103			☐	☐	☐
160.63	161.84	1.21	GRD	1.19	98	R615059	☐	16-103			☐	☐	☐
161.84	162.63	0.79	GRD	0.72	91	R615060	☐	16-103			☐	☐	☐
162.63	163.68	1.05	GRD	0.95	90	R615062	☐	16-103			☐	☐	☐
171.28	173.95	2.67	GRD	1.76	66	R615063	☐	16-103			☐	☐	☐
173.95	174.25	0.30	GRD, VEN	0.29	97	K292826	☐	16-092	High Grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
174.25	174.77	0.52	GRD	0.52	100	R615064	☐	16-105			☐	☐	☐
174.77	175.87	1.10	GRD	1.06	96	R615065	☐	16-105			☐	☐	☐
175.87	178.15	2.28	GRD	2.18	96	R615066	☐	16-105			☐	☐	☐
175.87	178.15	2.28	GRD	2.18	96	R615067	☐	16-105			☐	☑	☐
178.15	178.76	0.61	GRD	0.59	97	R615068	☐	16-105			☐	☐	☐
178.76	180.20	1.44	GRD	1.42	99	R615069	☐	16-105			☐	☐	☐

KL-16-336
Stroshein

Sample Results

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Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	8.23			☐	☐	☐	☐	
16-102	R615022	0.00	0.00	0.00	60	☐	☐	☑	☐	
16-103	R615032	0.00	0.00	2.21	1280	☐	☐	☐	☑ KL-STD2	
16-103	R615039	0.00	0.00	0.00	50	☐	☐	☑	☐	
16-103	R615054	0.00	0.00	0.35	850	☐	☐	☐	☑ KL-STD4	
16-103	R615061	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-102	R615019	8.23	11.28	0.03	2190	☐	☐	☐	☐	
16-102	R615020	11.28	14.28	0.37	1700	☐	☐	☐	☐	
		14.28	23.89			☐	☐	☐	☐	
16-102	R615021	23.89	26.52	0.08	560	☐	☐	☐	☐	
16-102	R615023	26.52	29.24	0.05	2770	☐	☐	☐	☐	
		29.24	39.82			☐	☐	☐	☐	
16-102	R615024	39.82	41.76	0.11	230	☐	☐	☐	☐	
16-102	R615025	41.76	43.40	0.02	320	☐	☐	☐	☐	
16-102	R615026	43.40	46.41	0.02	2220	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		46.41	57.10			☐	☐	☐	☐	
16-102	R615027	57.10	60.05	0.11	540	☐	☐	☐	☐	
16-102	R615028	60.05	61.33	0.35	680	☐	☐	☐	☐	
16-103	R615029	61.33	63.15	0.41	1260	☐	☐	☐	☐	
16-103	R615030	63.15	64.57	0.07	1420	☐	☐	☐	☐	
16-103	R615031	64.57	66.87	0.03	2150	☐	☐	☐	☐	
16-103	R615033	66.87	69.19	0.02	2070	☐	☐	☐	☐	
16-103	R615034	69.19	70.82	0.03	1770	☐	☐	☐	☐	
16-103	R615035	70.82	73.01	0.05	1820	☐	☐	☐	☐	
16-103	R615036	70.82	73.01	0.04	1540	☐	☑	☐	☐	
16-103	R615037	73.01	73.73	0.28	3130	☐	☐	☐	☐	
16-103	R615038	73.73	75.70	0.18	1400	☐	☐	☐	☐	
16-103	R615040	75.70	76.87	0.01	2590	☐	☐	☐	☐	
		76.87	83.28			☐	☐	☐	☐	
16-103	R615041	83.28	84.43	0.02	2030	☐	☐	☐	☐	
16-103	R615042	84.43	84.79	0.90	270	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-103	R615043	84.79	86.57	0.05	2240	☐	☐	☐	☐	
16-103	R615044	86.57	89.45	0.03	2140	☐	☐	☐	☐	
16-092	K292821	89.45	90.02	0.08	1620	☐	☐	☐	☐	
16-092	K292822	89.45	90.02	0.09	1660	☐	☑	☐	☐	
16-092	K292823	90.02	90.78	1.01	150	☐	☐	☐	☐	
16-103	R615045	90.78	92.00	0.06	1640	☐	☐	☐	☐	
16-103	R615046	92.00	93.12	0.18	1880	☐	☐	☐	☐	
		93.12	######			☐	☐	☐	☐	
16-103	R615047	107.21	108.81	0.12	2080	☐	☐	☐	☐	
16-103	R615048	107.21	108.81	0.12	1950	☑	☐	☐	☐	
16-103	R615049	108.81	109.89	0.10	1360	☐	☐	☐	☐	
16-092	K292824	109.89	110.45	3.23	160	☐	☐	☐	☐	
16-103	R615050	110.45	111.16	0.14	860	☐	☐	☐	☐	
16-103	R615051	111.16	113.30	0.02	1990	☐	☐	☐	☐	
16-103	R615052	113.30	115.43	0.23	350	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-103	R615053	151.49	152.75	0.05	1370	☐	☐	☐	☐	
16-103	R615055	152.75	153.45	1.44	330	☐	☐	☐	☐	
16-103	R615056	153.45	155.55	0.41	510	☐	☐	☐	☐	
16-103	R615057	155.55	157.58	0.04	1550	☐	☐	☐	☐	
16-103	R615058	157.58	160.63	0.04	2030	☐	☐	☐	☐	
16-103	R615059	160.63	161.84	0.57	690	☐	☐	☐	☐	
16-103	R615060	161.84	162.63	0.23	810	☐	☐	☐	☐	
16-103	R615062	162.63	163.68	0.02	1960	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-103	R615063	171.28	173.95	0.05	2350	☐	☐	☐	☐	
16-092	K292826	173.95	174.25	2.65	880	☐	☐	☐	☐	
16-105	R615064	174.25	174.77	0.16	1420	☐	☐	☐	☐	
16-105	R615065	174.77	175.87	0.06	2640	☐	☐	☐	☐	
16-105	R615066	175.87	178.15	0.03	2330	☐	☐	☐	☐	
16-105	R615067	175.87	178.15	0.04	2280	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-105	R615068	178.15	178.76	0.02	1690	☐	☐	☐	☐	
16-105	R615069	178.76	180.20	0.01	2230	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
39.82	43.10	VT	37	10	NUL	10	Low angle quartz-pyrite veinlets with narrow, intense phyllic halos.			
								Py	10	BL
44.30	53.84	VT	37	60	NUL	15	White quartz veinlets with blebby pyrite.			
								Py	3	BL
57.30	60.40	VN	37	40	NUL	3	Coarsely intergrown, roughly banded veins of quartz-carb-rhodochrosite. White quartz is the outer most band along the vein selvedges, followed by white carbonates, and finally with rhodochrosite along the centre. Blebby pyrite is found along the selvedges.			
								Py	1	BL
60.61	60.63	VN	37	85	NUL	1	Irregularly banded white quartz-carbonate-smoky quartz vein hosting blebby pyrite.			
								Py	10	BL
61.24	63.15	VN	37	60	NUL	6	Crustiform-irregularly banded quartz-carbonate veins hosting blebby pyrite.			
								Py	10	BL
63.20	64.32	ST		50	NUL	20	Thin, discontinuous pyrite stringers.			
								Py	5	BN
69.30	69.69	VT	37	70	NUL	3	White crustiform-weakly banded quartz-carbonate veins with fine blebby pyrite.			
								Py	1	BL
70.85	71.60	VT	37	25	NUL	7	Low angle quartz-pyrite veinlets with narrow, strong phyllic halos.			
								Py	5	BL
73.05	73.68	VN	37	70	NUL	5	Crustiform white quartz-carbonate veining with some colloform textures. Trace fine disseminated pyrite along selvedge.			
								Py	0.1	DI
75.11	75.20	VN	37	25	NUL	1	Massive quartz vein with massive pyrite.			
								Py	50	MA
78.17	78.22	VN	37	30	NUL	1	White massive quartz vein with a band of massive whtie calcite. Blebby pyrite is hosted in quartz.			
								Py	25	BL
83.62	83.63	VT	37	60	NUL	1	Quartz-pyrite veinlet.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	50	MA
84.45	84.64	VN	37	55	NUL	1	Massive white quartz-pyrite vein with crustiform banded white quartz-carbonate-smoky quartz along the lower selvedge.			
								Py	45	BL
90.02	90.78	VB	37	60	NUL	1	Multiphase polymetallic breccia. Initial phase is white massive quartz with massive pyrite. This is followed by massive-banded white-cream-tan ankerite-calcite-quartz. Finally, these are brecciated by smoky quartz hosting fine blebby pyrite. There is trace fine blebby galena present among blebby pyrite.			
								Gn	0.1	BL
								Py	15	BL
97.71	97.88	DY	37	65	NUL	1	Light green quartz feldspar porphyry dykelet with disseminated pyrite.			
								Py	0.5	DI
109.89	110.45	VN	37	55	NUL	1	Multiphase polymetallic vein dominated by a wide white massive quartz-pyrite vein with an 8 cm wide smoky quartz-carbonate breccia. Blebby to massive pyrite is found throughout, sometimes with blebs of chalcopyrite and galena.			
								Cp	1	BL
								Py	25	BL
								Gn	1	BL
114.83	115.00	VT	37	35	NUL	3	Pyrite veinlets.			
								Py	100	MA
120.57	120.60	VN	37	20	NUL	1	Smoky quartz vein with a 1cm band of white calcite. Hosts fine blebby pyrite.			
								Py	1	BL
121.06	121.19	DY	37	50	NUL	2	Pink aplite dyklets.			
122.94	122.96	DY	37	35	NUL	1	Pink aplite dyke.			
133.17	133.20	VN	37	80	NUL	1	White partially crustiform quartz-carbonate vein with blebby pyrite along its upper selvedge.			
								Py	10	BL
141.00	142.34	FT	42	-	NUL	1	Completely crumbled faulted section.			
145.24	145.39	FA	64	-	NUL	1	Crumbled, partially gouged fault.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
152.80	153.00	VN	37	60	NUL	1	Wide banded-crustiform quartz-carbonate vein. Outer margins of vein are 5-8 cm massive white quartz hosting blebby pyrite. Centre 12 cm of vein is crustiform, mossy, brecciated white-smoky quartz-carbonate hosting blebby pyrite, galena, and honey brown sphalerite.			
								Sp	1	BL
								Py	10	BL
								Gn	1	BL
153.85	153.91	VT	37	60	NUL	2	White quartz veins hosting blebby pyrite.			
								Py	10	BL
154.24	154.30	FT	42	-	NUL	1	Faulted quartz-carbonate-pyrite vein.			
								Py	5	BL
154.81	156.85	FT	42	-	NUL	1	Faulted, rubbly, partially gouged phyllic granodiorite.			
								Py	1	DI
161.90	162.07	VN	37	70	NUL	2	Massive white quartz veins hosting blebby pyrite with thin smoky quartz bands along selvedges. Blebby chalcopyrite is found among pyrite near the smoky quartz. Carbonate phases introduce finer blebby honey brown sphalerite and galena.			
								Gn	0.5	BL
								Sp	0.5	BL
								Py	5	BL
								Cp	1	BL
162.27	162.54	VN	37	45	NUL	1	Smoky quartz vein with and high density of blebby pyrite. Smoky quartz contains large fragments of granodiorite. 5 cm bands of white massive quartz hosting pyrite are found at selvedges, with fine blebby honey brown sphalerite at the extreme edges of the vein.			
								Py	30	BL
								Sp	1	BL
167.32	167.56	VN	37	45	NUL	3	Irregularly banded white-smoky quartz veining hosting blebby pyrite.			
								Py	5	BL
173.15	173.20	BX	34	60	NUL	1	Fractured smoky quartz breccia with phyllic granodiorite clasts and fine blebby pyrite in the groundmass.			
								Py	5	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
173.95	174.20	VN	37	80	NUL	1	Stroshein vein: Multiphase, polymetallic quartz vein. Centre of vein is massive white quartz and blebby-massive pyrite and blebby chalcopyrite. The outer selvedges of the vein are dominated by banded smoky quartz and white quartz-carbonate. Blebby blackjack sphalerite and galena are found closest to smoky quartz and carbonate phases.			
								Sp	8	BL
								Py	30	BL
								Gn	2	BL
								Cp	5	BL
178.71	178.75	VN	37	70	NUL	1	Banded quartz-carbonate vein with blebby honey brown sphalerite and galena.			
								Py	5	BL
								Sp	5	BL
								Gn	1	BL

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382912	6890175	1362.36	182

ZONE: Central Klaza

SECTION:

HOLE: KL-16-337

CLAIM: Klaza 17

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 02 - Aug 04, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
17	33.3	-50.7	Reflex
182	34.8	-52.2	Reflex

TARGET: Central Klaza Met Hole

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.34	1.34	CAS
1.34	3.04	1.7	OVB
3.04	10.15	7.11	GRD
10.15	16.4	6.25	GRD
16.4	90.55	74.15	GRD
90.55	107.45	16.9	GRD
107.45	116.3	8.85	QFP
116.3	129	12.7	GRD
129	131.94	2.94	GRD
131.94	147.73	15.79	GRD
147.73	155.4	7.67	GRD
155.4	162.76	7.36	GRD
162.76	165.86	3.1	GRD
165.86	167.12	1.26	VEN
167.12	169.76	2.64	GRD
169.76	182	12.24	GRD

SAMPLES	
Numbers:	K292827 to K292828, R616088 to R616147
Total:	62
Batch:	092, 105, 106
Certificates:	VA16129499, VA16129521, VA16129523

COMMENTS

Box Log

KL-16-337

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	1.34	4.87
2	4.87	7.67
3	7.67	10.81
4	10.81	13.61
5	13.61	16.89
6	16.89	20
7	20	23.17
8	23.17	26
9	26	28.9
10	28.9	32
11	32	34.77
12	34.77	37.75
13	37.75	40.9
14	40.9	43.63
15	43.63	46.47
16	46.47	49.43
17	49.43	52.62
18	52.62	55
19	55	58.08
20	58.08	61
21	61	64
22	64	66.76
23	66.76	69.75
24	69.75	72.8
25	72.8	75.58
26	75.58	78.61
27	78.61	81.77
28	81.77	85
29	85	88.22
30	88.22	91.39
31	91.39	94.63
32	94.63	97.53
33	97.53	100.4
34	100.4	103.28
35	103.28	106.33
36	106.33	109.32
37	109.32	112.43
38	112.43	115.5
39	115.5	118.66
40	118.66	122
41	122	125.22
42	125.22	128.23
43	128.23	131
44	131	134.13
45	134.13	137.39
46	137.39	140.5
47	140.5	143.45
48	143.45	146.73
49	146.73	149.88
50	149.88	152.91
51	152.91	155.51
52	155.51	158.4
53	158.4	161.26
54	161.26	164.23
55	164.23	167.25
56	167.25	170.3
57	170.3	173.44
58	173.44	176.52
59	176.52	179.82
60	179.82	182

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-337									
	134.55	16	HQ	GRD	1484.7	945.1	2.98	2.8	6 cm of phyllic altered granodiorite and 10 cm pyritic smoky quartz breccia with phyllic granodiorite clasts.
	145.32	9	HQ	GRD	940.7	658.3	3.35	3.3	Phyllic granodiorite cut by two massive quartz veins hosting blebby-massive pyrite, blackjack/honey brown sphalerite, and trace blebby galena.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.34	3.04	1.70	OVB	MG	Granodiorite alternating with overburden.							
						MD	BR		OXI	2I		
						LT	BR					
3.04	10.15	7.11	GRD	MG	Unaltered granodiorite alternating with patches of moderate to strongly argillic altered granodiorite. Both argillic and unaltered granodiorite display moderate oxidation, but argillic oxidation is much more prominent than unaltered granodiorite oxidation. Argillic granodiorite displays white clasts, resembling bleaching.							
						MD	OR		OXI	3I		
						LT	OR		ARG	4I		
						LT	WH		ARG	3I		
10.15	16.40	6.25	GRD	MG	Unaltered granodiorite alternating with weak to moderately phyllic altered granodiorite. Interval displays patchy weak to moderate pervasive oxidation throughout. Weak patches of propylitic alteration found distal to phyllic alteration.							
						MD	OR		OXI	2I		
						LT	GN		PHC	2I		
						LT	OR		PHC	3I		
									OXI	3I		
									PRO	2I		
16.40	90.55	74.15	GRD	MG	Unaltered granodiorite with highly fractured zones. Granodiorite displays moderate to strong oxidation along fracture and joint planes that diminishes with depth. . Sporadic argillic/propylitic and argillic/phyllic halos found within.							
						MD	WH	FR	PRO	2I	Sp	1
						LT	GN	PA	PHC	2I	Gn	1
									ARG	2I	Py	1
									OXI	3I		
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
90.55	107.45	16.90	GRD	MG	Argillic/propylitic to argillic/phyllic altered granodiorite with patches of moderate to strongly phyllic altered granodiorite. Contains fractures that have been gouged and re-healed throughout.							
						MD	GN	FR	PHC	4I	Py	1
						MD	WH		PRO	2I	Sp	1
						LT	GN	PA	PHC	3I	Py	1
									ARG	2I		
									ARG	3I		
									PRO	3I	Gn	1
107.45	113.78	6.33	QFP	FG	Light brown quartz feldspar porphyry dyke.							
						LT	BR	PO				
113.78	115.50	1.72	QFP	FG	Light red quartz feldspar poprhyry dyke with small patches of light green within.							
						LT	RD	PO				
						LT	GN	PA				
115.50	116.30	0.80	QFP	FG	Light brown quartz feldspar porphyry dyke.							
						LT	BR	PO				
116.30	129.00	12.70	GRD	MG	Gouged weak to moderate phyllic altered granodiorite transitioning to weakly argillic granodiorite with phyllic/propylitic overprinting. Healed gouge fractures present throughout.							
						MD	GN	FR	PRO	3I	Sp	1
						MD	WH		PHC	2I	Py	1
						LT	GN	PA	PRO	2I	Gn	1
									PHC	3I	Py	1
									ARG	2I	Gn	1
									ARG	3I		
131.13	131.54	0.41	GRD	MG	Siliceous phyllic altered granodiorite with healed gouging throughout. Black breccia found along lower selvedge of granodiorite.							
						MD	GN		PHC	3I		
						LT	GN		SIL	4I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
131.94	147.73	15.79	GRD	MG	Weakly argillic granodiorite with weak propylitic/phyllic overprinting alternating with phyllic altered granodiorite. Argillic phyllic/propylitic altered granodiorite displays patchy potassic alteration. Black breccia veins and significant quartz veins crosscut granodiorite throughout.							
						MD	GN		PHC	2I	Py	1
						MD	BL		PHC	3I	Sp	1
						LT	GN	PA	ARG	2I	Sp	1
						LT	PK	FR	PRO	2I	Py	1
											Gn	1
147.73	155.40	7.67	GRD	MG	Weak to modeartely propylitic altered granodioroite alternating with patches of weak to slightly moderate phyllic to argillic/phyllic granodiorite.							
						MD	GN		PRO	2I	As	1
						LT	GN	PA	PHC	2I	Py	1
						LT	WH	FR	PRO	3I	Py	1
									ARG	2I	Sp	1
155.40	162.76	7.36	GRD	MG	Argillic altered granodiorite with trace to weak potassic and propylitic overprinting. Alternates with weak propylitic altered granodiorite. Argillic altered granodiorite is moderately fractured in patches.							
						MD	GN		PRO	1I		
						LT	WH	PA	ARG	2I		
						LT	PK	FR	ARG	3I		
						LT	GN		POT	1I		
									PRO	2I		
162.76	165.86	3.10	GRD	MG	Moderately gouged argillic granodiorite with trace propylitic to phyllic overprinting. Interval displays gouged quartz veining throughout.							
						LT	WH	RB	CLY	3I	Py	1
						LT	GN		ARG	3I	Py	1
									PRO	1I	Sp	1
									PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
165.86	167.12	1.26	VEN	MG	Lower Klaza vein zone. Gouged argillic/phyllic granodiorite with quartz flooding. Interval is extremely crumbly and displays clay/gouge alteration throughout. Veining found throughout hosting massive to blebby pyrite, blebby sphalerite, galena, and chalcopyrite. Pyrite is very broken down (almost powder like) across the entire vein zone.							
						LT	GN	RB	ARG	3I	Py	20
						LT	WH	FR	ARG	2I	Py	35
									PHC	2I	Sp	8
									SIL	3I	Cp	5
											Gn	2
167.12	169.76	2.64	GRD	MG	Moderately gouged argillic granodiorite with trace propylitic to phyllic overprinting. Interval displays gouged quartz veining throughout.							
						MD	BL	RB	PRO	2I		
						LT	WH	PA	ARG	2I	Py	5
						LT	GN	FR	ARG	3I		
									PHC	2I		
169.76	174.73	4.97	GRD	MG	Argillic altered granodiorite displaying patchy phyllic, propylitic, and potassic overprinting alternating with unaltered to weakly propylitic altered granodiorite. Red aplite dyke present crosscutting granodiorite at extreme low angle.							
						MD	GN		ARG	3I		
						LT	GN	PA	ARG	2I		
						LT	PK		PRO	2I		
									PHC	2I		
									POT	2I		
									PRO	3I		
174.73	175.62	0.89	APL	--	Red aplite dyke crosscutting weakly propylitic altered granodiorite at 5* TCA							
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.34	3.04	1.70	OVB	MG	Granodiorite alternating with overburden.							
						LT	BR					
						MD	BR		OXI	2I		
3.04	10.15	7.11	GRD	MG	Unaltered granodiorite alternating with patches of moderate to strongly argillic altered granodiorite. Both argillic and unaltered granodiorite display moderate oxidation, but argillic oxidation is much more prominent than unaltered granodiorite oxidation. Argillic granodiorite displays white clasts, resembling bleaching.							
						LT	OR		ARG	3I		
						MD	OR		ARG	4I		
						LT	WH		OXI	3I		
10.15	16.40	6.25	GRD	MG	Unaltered granodiorite alternating with weak to moderately phyllic altered granodiorite. Interval displays patchy weak to moderate pervasive oxidation throughout. Weak patches of propylitic alteration found distal to phyllic alteration.							
						LT	GN		PHC	2I		
						LT	OR		PHC	3I		
						MD	OR		OXI	2I		
									PRO	2I		
									OXI	3I		
16.40	90.55	74.15	GRD	MG	Unaltered granodiorite with highly fractured zones. Granodiorite displays moderate to strong oxidation along fracture and joint planes that diminishes with depth. . Sporadic argillic/propylitic and argillic/phyllic halos found within.							
									ARG	2I	Py	1
									OXI	3I		
						MD	WH	FR	PRO	2I	Sp	1
						LT	GN	PA	PHC	2I	Gn	1
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
90.55	107.45	16.90	GRD	MG	Argillic/propylitic to argillic/phyllic altered granodiorite with patches of moderate to strongly phyllic altered granodiorite. Contains fractures that have been gouged and re-healed throughout.							
									ARG	2I		
									ARG	3I		
									PRO	3I	Gn	1
						MD	WH		PRO	2I	Sp	1
						MD	GN	FR	PHC	4I	Py	1
						LT	GN	PA	PHC	3I	Py	1
107.45	116.30	8.85	QFP	FG	Light brown quartz feldspar porphyry dyke transitioning to light red and green colours. Carbonate veinlets throughout.							
						LT	GY					
						LT	GN	PO				
						LT	RD					
						LT	BR					
116.30	129.00	12.70	GRD	MG	Gouged weak to moderate phyllic altered granodiorite transitioning to weakly argillic granodiorite with phyllic/propylitic overprinting. Healed gouge fractures present throughout.							
									ARG	3I		
									PHC	3I	Py	1
						LT	GN	PA	PRO	2I	Gn	1
						MD	GN	FR	PRO	3I	Sp	1
						MD	WH		PHC	2I	Py	1
									ARG	2I	Gn	1
131.94	147.73	15.79	GRD	MG	Weakly argillic granodiorite with weak propylitic/phyllic overprinting alternating with phyllic altered granodiorite. Argillic phyllic/propylitic altered granodiorite displays patchy potassic alteration. Black breccia veins and significant quartz veins crosscut granodiorite throughout.							
						LT	GN	PA	ARG	2I	Sp	1
						MD	GN		PHC	2I	Py	1
						LT	PK	FR	PRO	2I	Py	1
						MD	BL		PHC	3I	Sp	1
											Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
147.73	155.40	7.67	GRD	MG	Weak to modeartely propylitic altered granodioroite alternating with patches of weak to slightly moderate phyllic to argillic/phyllic granodiorite.							
						MD	GN		PRO	2I	As	1
									ARG	2I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
						LT	WH	FR	PRO	3I	Py	1
155.40	162.76	7.36	GRD	MG	Argillic altered granodiorite with trace to weak potassic and propylitic overprinting. Alternates with weak propylitic altered granodiorite. Argillic altered granodiorite is moderately fractured in patches.							
									PRO	2I		
						LT	WH	PA	ARG	2I		
						LT	PK	FR	ARG	3I		
						LT	GN		POT	1I		
						MD	GN		PRO	1I		
162.76	165.86	3.10	GRD	MG	Moderately gouged argillic granodiorite with trace propylitic to phyllic overprinting. Interval displays gouged quartz veining throughout.							
						LT	WH	RB	CLY	3I	Py	1
									PHC	1I		
									PRO	1I	Sp	1
						LT	GN		ARG	3I	Py	1
165.86	167.12	1.26	VEN	MG	Lower Klaza vein zone. Gouged argillic/phyllic granodiorite with quartz flooding. Interval is extremely crumbly and displays clay/gouge alteration throughout. Veining found throughout hosting massive to blebby pyrite, blebby sphalerite, galena, and chalcopyrite. Pyrite is very broken down (almost powder like) across the entire vein zone.							
						LT	GN	RB	ARG	3I	Py	20
									SIL	3I	Cp	5
									PHC	2I	Sp	8
											Gn	2
						LT	WH	FR	ARG	2I	Py	35
167.12	169.76	2.64	GRD	MG	Moderately gouged argillic granodiorite with trace propylitic to phyllic overprinting. Interval displays gouged quartz veining throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FR	ARG	3I		
						MD	BL	RB	PRO	2I		
									PHC	2I		
						LT	WH	PA	ARG	2I	Py	5
169.76	182.00	12.24	GRD	MG	Argillic altered granodiorite displaying patchy phyllic, propylitic, and potassic overprinting alternating with unaltered to weakly propylitic altered granodiorite. Red aplite dyke present crosscutting granodiorite at extreme low angle.							
									POT	2I		
									PHC	2I		
						LT	PK		PRO	2I		
						MD	GN		ARG	3I		
						LT	GN	PA	ARG	2I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.34	1.34	0	0	0.00	0	--	--	--	Cased
1.34	5.00	3.66	2.75	75	1.58	43	--	3H	3W	
5.00	8.00	3.00	2.92	97	1.19	40	--	4H	3W	
8.00	11.00	3.00	2.75	92	1.49	50	--	3H	3W	
11.00	14.00	3.00	3	100	2.02	67	--	3H	2W	
14.00	17.00	3.00	3	100	1.80	60	--	3H	3W	
17.00	20.00	3.00	3	100	2.42	81	--	5H	2W	
20.00	23.00	3.00	3	100	2.19	73	--	5H	1W	
23.00	26.00	3.00	3	100	1.70	57	--	5H	1W	
26.00	29.00	3.00	3	100	1.71	57	--	4H	2W	
29.00	32.00	3.00	2.99	100	0.90	30	--	4H	2W	
32.00	35.00	3.00	2.9	97	1.00	33	--	4H	2W	
35.00	38.00	3.00	2.98	99	1.81	60	--	5H	2W	
38.00	41.00	3.00	3	100	0.55	18	--	3H	3W	
41.00	44.00	3.00	3	100	1.34	45	--	3H	2W	
44.00	47.00	3.00	3	100	1.53	51	--	4H	1W	
47.00	50.00	3.00	3	100	1.79	60	--	3H	1W	
50.00	53.00	3.00	3	100	1.48	49	--	4H	1W	
53.00	56.00	3.00	3	100	0.77	26	--	1H	1W	
56.00	59.00	3.00	2.8	93	1.30	43	--	2H	1W	
59.00	62.00	3.00	2.89	96	1.48	49	--	2H	1W	
62.00	65.00	3.00	2.58	86	2.34	78	--	3H	1W	
65.00	68.00	3.00	3	100	2.29	76	--	2H	1W	
68.00	71.00	3.00	2.85	95	2.37	79	--	3H	1W	
71.00	74.00	3.00	2.91	97	2.29	76	--	2H	1W	
74.00	77.00	3.00	3	100	2.68	89	--	3H	1W	
77.00	80.00	3.00	2.85	95	1.75	58	--	3H	1W	
80.00	83.00	3.00	2.95	98	2.70	90	--	3H	1W	
83.00	86.00	3.00	3	100	3.00	100	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	2.75	92	1.93	64	--	1H	1W	
89.00	92.00	3.00	3	100	2.80	93	--	3H	1W	
92.00	95.00	3.00	2.8	93	1.82	61	--	1H	1W	
95.00	98.00	3.00	2.73	91	0.97	32	--	1H	1W	
98.00	101.00	3.00	2.85	95	1.15	38	--	1H	1W	
101.00	104.00	3.00	2.7	90	1.34	45	--	3H	1W	
104.00	107.00	3.00	2.89	96	2.25	75	--	3H	1W	
107.00	110.00	3.00	2.95	98	1.99	66	--	3H	1W	
110.00	113.00	3.00	2.86	95	1.83	61	--	3H	1W	
113.00	116.00	3.00	2.94	98	2.29	76	--	3H	1W	
116.00	119.00	3.00	2.94	98	2.03	68	--	3H	1W	
119.00	122.00	3.00	2.95	98	0.57	19	--	3H	1W	
122.00	125.00	3.00	2.66	89	1.87	62	--	4H	1W	
125.00	128.00	3.00	2.9	97	1.66	55	--	4H	1W	
128.00	131.00	3.00	2.8	93	1.22	41	--	3H	1W	
131.00	134.00	3.00	2.86	95	1.20	40	--	3H	1W	
134.00	137.00	3.00	2.91	97	2.43	81	--	4H	1W	
137.00	140.00	3.00	3	100	2.39	80	--	3H	1W	
140.00	143.00	3.00	2.89	96	2.28	76	--	3H	1W	
143.00	146.00	3.00	2.96	99	1.88	63	--	3H	1W	
146.00	149.00	3.00	2.9	97	1.91	64	--	3H	1W	
149.00	152.00	3.00	3	100	2.12	71	--	5H	1W	
152.00	155.00	3.00	3	100	1.71	57	--	5H	1W	
155.00	158.00	3.00	2.98	99	1.01	34	--	4H	1W	
158.00	161.00	3.00	3	100	1.05	35	--	4H	1W	
161.00	164.00	3.00	3	100	1.91	64	--	3H	1W	
164.00	167.00	3.00	3	100	2.35	78	--	3H	1W	Partially healed fault breccia
167.00	170.00	3.00	3	100	2.14	71	--	3H	1W	
170.00	173.00	3.00	3	100	2.43	81	--	3H	1W	
173.00	176.00	3.00	3	100	2.67	89	--	5H	1W	
176.00	179.00	3.00	3	100	2.80	93	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
179.00	182.00	3.00	3	100	2.64	88	--	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	Casing
2	13.7	OVB	
3	46	OVB	
4	17.3	GRD	
5	0.37	GRD	
6	28	GRD	
7	6.82	GRD	
8	33.3	GRD	
9	0.461	GRD	
10	5.94	GRD	
11	0.348	GRD	
12	0.328	GRD	
13	16	GRD	
14	0.244	GRD	
15	0.285	GRD	
16	0.356	GRD	
17	24	GRD	
18	34.6	GRD	
19	42.5	GRD	
20	30.3	GRD	
21	39.4	GRD	
22	52.3	GRD	
23	39.5	GRD	
24	41.8	GRD	
25	29.3	GRD	
26	35.9	GRD	
27	0.807	GRD	
28	23.2	GRD	
29	38.3	GRD	
30	27.8	GRD	
31	365.2	GRD	
32	4.29	GRD	
33	44.1	GRD	
34	52.3	GRD	
35	37.5	GRD	
36	36.4	GRD	
37	35.6	GRD	
38	38.7	GRD	
39	12.6	GRD	
40	24.4	GRD	
41	36.6	GRD	
42	34.4	GRD	
43	37.5	GRD	
44	42.7	GRD	
45	36	GRD	
46	28.3	GRD	
47	41	GRD	
48	43.1	GRD	
49	38.9	GRD	
50	32.3	GRD	
51	42.12	GRD	
52	38.4	GRD	
53	34.3	GRD	
54	9.91	GRD	
55	16.82	GRD	
56	28.9	GRD	
57	30.29	GRD	
58	19.54	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	27.92	GRD	
60	31.07	GRD	
61	33.05	GRD	
62	27.84	GRD	
63	24.33	GRD	
64	27.55	GRD	
65	22.41	GRD	
66	26.66	GRD	
67	23.78	GRD	
68	36.8	GRD	
69	30.77	GRD	
70	33.26	GRD	
71	0.495	GRD	
72	0.77	GRD	
73	0.506	GRD	
74	0.765	GRD	
75	38.49	GRD	
76	39.96	GRD	
77	32.77	GRD	
78	32.25	GRD	
79	37.25	GRD	
80	40.32	GRD	
81	34.97	GRD	
82	31.92	GRD	
83	19.91	GRD	
84	27.08	GRD	
85	3.535	GRD	
86	8.716	GRD	
87	19.9	GRD	
88	27.09	GRD	
89	37.38	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	31.12	GRD	
91	2.009	GRD	
92	0.549	GRD	
93	0.502	GRD	
94	0.354	GRD	
95	0.362	GRD	
96	0.427	GRD	
97	0.436	GRD	
98	0.231	GRD	
99	0.167	GRD	
100	0.504	GRD	
101	0.785	GRD	
102	0.095	GRD	
103	0.098	GRD	
104	0.495	GRD	
105	0.272	GRD	
106	0.395	GRD	
107	0.559	GRD	
108	0.467	QFP	
109	0.364	QFP	
110	0.356	QFP	
111	0.244	QFP	
112	0.305	QFP	
113	0.311	QFP	
114	0.455	QFP	
115	0.275	QFP	
116	0.336	QFP	
117	0.345	GRD	
118	0.587	GRD	
119	0.064	GRD	
120	0.158	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.256	GRD	
122	0.239	GRD	
123	0.198	GRD	
124	0.23	GRD	
125	7.74	GRD	
126	9.935	GRD	
127	0.357	GRD	
128	0.211	GRD	
129	0.191	GRD	
129	0.191	GRD	
130	0.308	GRD	
131	0.493	GRD	
132	0.466	GRD	
133	0.314	GRD	
134	0.332	GRD	
135	0.152	GRD	
136	0.59	GRD	
137	0.535	GRD	
138	0.441	GRD	
139	0.312	GRD	
140	0.296	GRD	
141	0.445	GRD	
142	0.209	GRD	
143	0.396	GRD	
144	0.194	GRD	
145	0.171	GRD	
146	4.387	GRD	
147	0.362	GRD	
148	0.42	GRD	
149	0.674	GRD	
150	0.408	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	6.839	GRD	
152	2.55	GRD	
152	0.231	GRD	
153	0.304	GRD	
154	0.623	GRD	
155	0.464	GRD	
156	0.505	GRD	
157	0.431	GRD	
158	0.611	GRD	
159	0.211	GRD	
160	0.258	GRD	
161	0.232	GRD	
162	7.16	GRD	
163	0.413	GRD	
164	0.417	GRD	
165	0.239	GRD	
166	0.173	VEN	
167	0.318	VEN	
168	0.311	GRD	
169	0.225	GRD	
170	1.59	GRD	
171	0.671	GRD	
172	0.414	GRD	
173	5.16	GRD	
174	0.699	GRD	
175	2.16	GRD	
176	0.583	GRD	
177	0.297	GRD	
178	0.345	GRD	
179	0.421	GRD	
180	0.492	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
181	0.307	GRD	
182	8.15	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R616094	☐	16-105			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616104	☐	16-105			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616110	☐	16-105		KL-STD2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616117	☐	16-106		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616122	☐	16-106			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616135	☐	16-106		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616140	☐	16-106			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R616090	☐	16-105		KL-STD4	☐	☐	☐
27.37	27.87	0.50	GRD	0.50	100	R616088	☐	16-105			☐	☐	☐
90.53	92.00	1.47	GRD	1.47	100	R616089	☐	16-105			☐	☐	☐
92.00	92.39	0.39	GRD	0.39	100	R616091	☐	16-105			☐	☐	☐
92.39	94.60	2.21	GRD	2.16	98	R616092	☐	16-105			☐	☐	☐
94.60	95.12	0.52	GRD	0.48	92	K292827	☐	16-092	High Grade		☐	☐	☐
95.12	96.40	1.28	GRD	1.25	98	R616093	☐	16-105			☐	☐	☐
96.40	97.93	1.53	GRD	1.53	100	R616095	☐	16-105			☐	☐	☐
97.93	98.50	0.57	GRD	0.57	100	R616096	☐	16-105			☐	☐	☐
98.50	99.67	1.17	GRD	1.17	100	R616097	☐	16-105			☐	☐	☐
99.67	102.37	2.70	GRD	2.45	91	R616098	☐	16-105			☐	☐	☐
102.37	103.49	1.12	GRD	1.09	97	R616099	☐	16-105			☐	☐	☐
102.37	103.49	1.12	GRD	1.09	97	R616100	☐	16-105			☐	☐	☑
103.49	105.97	2.48	GRD	2.48	100	R616101	☐	16-105			☐	☐	☐
105.97	107.44	1.47	GRD	1.47	100	R616102	☐	16-105			☐	☐	☐
116.31	116.81	0.50	GRD	0.50	100	R616103	☐	16-105			☐	☐	☐
116.81	118.86	2.05	GRD	2.05	100	R616105	☐	16-105			☐	☐	☐
118.86	120.86	2.00	GRD	2.00	100	R616106	☐	16-105			☐	☐	☐
120.86	123.01	2.15	GRD	2.15	100	R616107	☐	16-105			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
123.01	124.54	1.53	GRD	1.22	80	R616108	☐	16-105			☐	☐	☐
124.54	126.32	1.78	GRD	1.74	98	R616109	☐	16-105			☐	☐	☐
126.32	129.07	2.75	GRD	2.75	100	R616111	☐	16-105			☐	☐	☐
129.07	129.94	0.87	GRD	0.87	100	R616112	☐	16-105			☐	☐	☐
129.94	132.94	3.00	GRD	3.00	100	R616113	☐	16-105			☐	☐	☐
132.94	135.44	2.50	GRD	2.50	100	R616146	☐	16-106			☐	☐	☐
135.44	137.39	1.95	GRD	1.95	100	R616147	☐	16-106			☐	☐	☐
137.39	139.05	1.66	GRD	1.64	99	R616114	☐	16-106			☐	☐	☐
139.05	139.45	0.40	GRD	0.40	100	R616115	☐	16-106			☐	☐	☐
139.45	140.70	1.25	GRD	1.25	100	R616116	☐	16-106			☐	☐	☐
140.70	141.20	0.50	GRD	0.48	96	R616118	☐	16-106			☐	☐	☐
141.20	143.00	1.80	GRD	1.80	100	R616119	☐	16-106			☐	☐	☐
143.00	145.00	2.00	GRD	1.85	93	R616120	☐	16-106			☐	☐	☐
145.00	145.50	0.50	GRD	0.49	98	R616121	☐	16-106			☐	☐	☐
145.50	146.83	1.33	GRD	1.33	100	R616123	☐	16-106			☐	☐	☐
146.83	147.50	0.67	GRD	0.67	100	R616124	☐	16-106			☐	☐	☐
147.50	150.43	2.93	GRD	2.83	97	R616125	☐	16-106			☐	☐	☐
150.43	152.00	1.57	GRD	1.57	100	R616126	☐	16-106			☐	☐	☐
150.43	152.00	1.57	GRD	1.57	100	R616127	☐	16-106			☐	☐	☑
152.00	152.54	0.54	GRD	0.54	100	R616128	☐	16-106			☐	☐	☐
152.54	155.00	2.46	GRD	2.45	100	R616129	☐	16-106			☐	☐	☐
155.00	158.00	3.00	GRD	2.84	95	R616130	☐	16-106			☐	☐	☐
158.00	161.00	3.00	GRD	2.83	94	R616131	☐	16-106			☐	☐	☐
161.00	162.75	1.75	GRD	1.70	97	R616132	☐	16-106			☐	☐	☐
162.75	164.00	1.25	GRD	1.25	100	R616133	☐	16-106			☐	☐	☐
164.00	164.59	0.59	GRD	0.59	100	R616134	☐	16-106			☐	☐	☐
164.59	165.46	0.87	GRD	0.87	100	R616136	☐	16-106			☐	☐	☐
165.46	165.91	0.45	GRD	0.45	100	R616137	☐	16-106			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
165.91	167.05	1.14	VEN	1.14	100	K292828	☐	16-092	High Grade		☐	☐	☐
167.05	167.89	0.84	VEN	0.81	96	R616138	☐	16-106			☐	☐	☐
167.89	168.67	0.78	GRD	0.78	100	R616139	☐	16-106			☐	☐	☐
168.67	169.67	1.00	GRD	1.00	100	R616141	☐	16-106			☐	☐	☐
169.67	170.40	0.73	GRD	0.73	100	R616142	☐	16-106			☐	☐	☐
169.67	170.40	0.73	GRD	0.73	100	R616143	☐	16-106			☐	☐	☑
170.40	171.86	1.46	GRD	1.46	100	R616144	☐	16-106			☐	☐	☐
171.86	173.00	1.14	GRD	1.14	100	R616145	☐	16-106			☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	27.37			☐	☐	☐	☐	
16-105	R616090	0.00	0.00	0.37	430	☐	☐	☐	☑ KL-STD4	
16-105	R616094	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-105	R616104	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-105	R616110	0.00	0.00	2.40	410	☐	☐	☐	☑ KL-STD2	
16-106	R616117	0.00	0.00	4.55	1440	☐	☐	☐	☑ KL-STD1	
16-106	R616122	0.00	0.00	0.00	40	☐	☐	☑	☐	
16-106	R616135	0.00	0.00	0.36	490	☐	☐	☐	☑ KL-STD4	
16-106	R616140	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-105	R616088	27.37	27.87	0.40	1570	☐	☐	☐	☐	
		27.87	90.53			☐	☐	☐	☐	
16-105	R616089	90.53	92.00	0.03	1460	☐	☐	☐	☐	
16-105	R616091	92.00	92.39	4.04	680	☐	☐	☐	☐	
16-105	R616092	92.39	94.60	0.67	1710	☐	☐	☐	☐	
16-092	K292827	94.60	95.12	14.80	340	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-105	R616093	95.12	96.40	5.37	360	☐	☐	☐	☐	
16-105	R616095	96.40	97.93	0.08	490	☐	☐	☐	☐	
16-105	R616096	97.93	98.50	1.33	150	☐	☐	☐	☐	
16-105	R616097	98.50	99.67	0.10	890	☐	☐	☐	☐	
16-105	R616098	99.67	102.37	0.03	1920	☐	☐	☐	☐	
16-105	R616099	102.37	103.49	0.56	590	☐	☐	☐	☐	
16-105	R616100	102.37	103.49	0.56	430	☐	☑	☐	☐	
16-105	R616101	103.49	105.97	0.02	1890	☐	☐	☐	☐	
16-105	R616102	105.97	107.44	0.02	1240	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	
16-105	R616103	116.31	116.81	0.76	1600	☐	☐	☐	☐	
16-105	R616105	116.81	118.86	0.02	1730	☐	☐	☐	☐	
16-105	R616106	118.86	120.86	0.02	1640	☐	☐	☐	☐	
16-105	R616107	120.86	123.01	0.01	2010	☐	☐	☐	☐	
16-105	R616108	123.01	124.54	0.02	1340	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-105	R616109	124.54	126.32	0.00	2250	☐	☐	☐	☐	
16-105	R616111	126.32	129.07	0.05	1130	☐	☐	☐	☐	
16-105	R616112	129.07	129.94	2.61	260	☐	☐	☐	☐	
16-105	R616113	129.94	132.94	0.07	410	☐	☐	☐	☐	
16-106	R616146	132.94	135.44	0.10	1010	☐	☐	☐	☐	
16-106	R616147	135.44	137.39	0.00	1040	☐	☐	☐	☐	
16-106	R616114	137.39	139.05	0.03	1520	☐	☐	☐	☐	
16-106	R616115	139.05	139.45	0.40	800	☐	☐	☐	☐	
16-106	R616116	139.45	140.70	0.02	1600	☐	☐	☐	☐	
16-106	R616118	140.70	141.20	0.42	580	☐	☐	☐	☐	
16-106	R616119	141.20	143.00	0.06	940	☐	☐	☐	☐	
16-106	R616120	143.00	145.00	0.01	390	☐	☐	☐	☐	
16-106	R616121	145.00	145.50	0.71	220	☐	☐	☐	☐	
16-106	R616123	145.50	146.83	0.04	1340	☐	☐	☐	☐	
16-106	R616124	146.83	147.50	2.73	580	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-106	R616125	147.50	150.43	0.48	680	☐	☐	☐	☐	
16-106	R616126	150.43	152.00	0.09	690	☐	☐	☐	☐	
16-106	R616127	150.43	152.00	0.08	590	☐	☑	☐	☐	
16-106	R616128	152.00	152.54	3.07	340	☐	☐	☐	☐	
16-106	R616129	152.54	155.00	0.04	1520	☐	☐	☐	☐	
16-106	R616130	155.00	158.00	0.05	2130	☐	☐	☐	☐	
16-106	R616131	158.00	161.00	0.37	810	☐	☐	☐	☐	
16-106	R616132	161.00	162.75	0.05	2000	☐	☐	☐	☐	
16-106	R616133	162.75	164.00	0.01	1510	☐	☐	☐	☐	
16-106	R616134	164.00	164.59	0.09	1970	☐	☐	☐	☐	
16-106	R616136	164.59	165.46	3.68	290	☐	☐	☐	☐	
16-106	R616137	165.46	165.91	0.39	180	☐	☐	☐	☐	
16-092	K292828	165.91	167.05	19.15	70	☐	☐	☐	☐	
16-106	R616138	167.05	167.89	0.34	190	☐	☐	☐	☐	
16-106	R616139	167.89	168.67	0.08	690	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-106	R616141	168.67	169.67	0.07	350	☐	☐	☐	☐	
16-106	R616142	169.67	170.40	0.12	100	☐	☐	☐	☐	
16-106	R616143	169.67	170.40	0.07	190	☐	☑	☐	☐	
16-106	R616144	170.40	171.86	0.01	2820	☐	☐	☐	☐	
16-106	R616145	171.86	173.00	0.01	1980	☐	☐	☐	☐	
		######	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
27.60	27.68	VN	37	65	NUL	2	Two quartz carbonate veins (1.5cm and 2.5cm) within phyllic altered granodiorite. Veins host blebby galena, disseminated sphalerite, and minor disseminated pyrite.			
								Py	1	DI
								Sp	5	DI
								Gn	7	BL
70.87	70.88	VN	37	80	NUL	1	White quartz-rhodochrosite vein with blebby pyrite.			
								Py	1	BL
74.03	74.24	FT	42	-	NUL	1	Rubbly, partially gouged fault with weathered pyrite.			
								Py	1	BL
86.70	86.91	FT	42	40	NUL	1	Rubbly fault with moderate oxidization on fracture surfaces.			
92.07	92.08	VN	37	70	NUL	1	Massive white quartz vein with blebby pyrite, blebby honey brown sphalerite, lower selvedge is of felted needle-like arsenopyrite.			
								As	3	BL
								Sp	3	BL
								Py	1	BL
94.58	94.84	GO	34	50	NUL	1	Partially healed fault gouge with pyrite.			
								Py	5	BL
94.84	95.12	VN	37	50	NUL	1	Fractured, rubbly smoky quartz breccia hosting blebby-massive pyrite, arsenopyrite, blebby blackjack sphalerite, and blebby galena.			
								Sp	3	BL
								Py	6	BL
								As	7	BL
								Gn	4	BL
95.12	95.76	FT	42	55	NUL	1	Partially healed fault hosting disseminated pyrite, cut by a smoky quartz-carbonate vein hosting blebby pyrite and blackjack sphalerite.			
								Py	1	BL
								Sp	1	BL
96.30	96.39	VN	37	45	NUL	1	Fractured smoky quartz vein hosting blebby pyrite and arsenopyrite.			
								Py	2	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								As	1	BL
97.42	97.44	GO	34	45	NUL	1	Thin gouge seam with disseminated pyrite.			
								Py	1	DI
97.97	97.99	VN	37	75	NUL	1	Grey massive quartz vein with bands of honey brown sphalerite, blebby pyrite, and disseminated arsenopyrite.			
								Py	1	BL
								As	3	DI
								Sp	25	BA
98.00	98.10	VT	37	45	NUL	7	Thin discontinuous pyrite veinlets.			
								Py	100	BN
98.22	98.27	VN	37	60	NUL	1	White quartz vein with thin tan ankerite bands, hosting blebby pyrite and honey brown sphalerite.			
								Py	1	BL
								Sp	5	BL
98.27	98.34	FT	42	60	NUL	1	Narrow fractured, gouged interval of mineralized quartz veining and phyllic granodiorite. Granodiorite hosts blebby pyrite, and quartz veining hosts finer blebby pyrite.			
								Py	5	BL
98.72	99.48	FT	42	-	NUL	2	Pair of narrow faults with significant fracturing and moderate gouge. Hosts disseminated pyrite.			
								Py	5	DI
99.48	99.56	VN	37	-	NUL	1	Fractured vein of irregularly banded white-smoky quartz and ankerite. Vein hosts blebby pyrite, blebby honey brown sphalerite, and blebby galena.			
								Py	3	BL
								Sp	2	BL
								Gn	2	BL
100.10	100.11	VN	37	65	NUL	1	Banded white-grey quartz vein hosting fine blebby galena and pyrite.			
								Gn	2	BL
								Py	3	BL
101.32	101.50	FT	42	30	NUL	1	Rubbly fault. Very little gouge.			
								Py	1	DI
104.75	105.99	VN	37	55	NUL	3	Banded white carbonate and smoky quartz with blebby pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	1	BL
107.42	107.44	FT	42	70	NUL	1	Gouged fault with blebby pyrite and honey brown sphalerite.			
								Sp	2	BL
								Py	2	BL
116.30	118.00	FT	42	50	NUL	2	Partially healed faults in quartz feldspar porphyry dyke with fragments of mineralized smoky quartz veining.			
								Gn	2	BL
								Py	1	BL
119.34	120.75	GO	34	10	NUL	1	1.5 cm wide low angle gouge seam with disseminated pyrite.			
								Py	5	DI
122.00	122.02	GO	34	80	NUL	1	2 cm wide gouge seam hosting disseminated pyrite.			
								Py	2	DI
123.44	124.04	BX	34	55	NUL	3	Narrow 1-4 cm wide smoky quartz breccias with subrounded phyllic granodiorite clasts. Smoky quartz hosts fine disseminated pyrite.			
								Py	2	DI
126.67	126.76	VN	37	80	NUL	3	Banded-crustiform white-pink quartz-rhodochrosite and smoky quartz veins hosting fine blebby pyrite.			
								Py	5	BL
129.17	130.70	FT	42	25	NUL	4	Four gouged, fractured fault zones with fine disseminated pyrite.			
								Py	3	DI
131.29	131.38	BX	34	75	NUL	1	9cm black breccia carrying quartz, carbonate, and gouged phyllic granodiorite clasts. Blebby pyrite found within. Breccia crosscuts and brecciates both host granodiorite, and a quartz carbonate vein			
								Py	4	BL
135.05	135.15	BX	34	75	NUL	1	black breccia carrying clasts of quartz, carbonate, host phyllic granodiorite, and disseminated pyrite.			
								Py	1	DI
137.73	137.90	BX	34	50	NUL	1	black breccia brecciating host propylitic/potassic granodiorite. Carries clasts of quartz, carbonate, granodiorite, and minor disseminated pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	2	DI
139.14	139.33	DY	37	85	NUL	1	gouged zone of light grey quartz feldspar dyke with smokey quartz stringers throughout. Clay alteration found along both selvedges.			
140.78	140.83	BX	34	70	NUL	1	black breccia found alongside small quartz veinlet. Breccia carries small clasts of carbonate, quartz, host granodiorite, and disseminated pyrite and galena. Found alongside gouged granodiorite.			
								Py	2	DI
								Gn	2	DI
141.15	141.24	VB	37	80	NUL	1	Propylitic to granodiorite with weak quartz flooding hosting a black breccia vein. Vein brecciates surrounding host granodiorite, and displays net texture. Hosts blebby galena, pyrite, and sphalerite.			
								Py	5	BL
								Sp	5	BL
								Gn	10	BL
145.19	145.21	VN	37	75	NUL	1	2cm quartz vein within argillic/phyllic granodiorite hosting blebby pyrite, sphalerite, and disseminated galena.			
								Py	12	BL
								Sp	12	BL
								Gn	4	DI
145.29	145.39	VN	37	70	NUL	2	argillic/phyllic altered granodiorite hosting two quartz veins. The first vein is a 3cm quartz vein hosting blebby honey brown sphalerite, and pyrite. This vein splits into two ~1cm veins. In close proximity to the lower splay of the first vein is a 4.5cm quartz vein hosting semi-massive to blebby sphalerite, and pyrite.			
								Py	25	BL
								Py	40	BL
146.87	146.96	VN	37	75	NUL	1	3cm quartz vein hosting blebby pyrite within phyllic altered granodiorite. Along upper selvedge of this vein is a 5.5cm blebby intrusion of blebby pink carbonate (rhodocrosite), pyrite, and honey brown sphalerite with minor disseminated galena.			
								Gn	1	DI
								Py	20	BL
								Sp	15	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
152.40	152.48	VN	37	85	NUL	1	8cm quartz vein within a propylitic/phyllic halo. Vein hosts disseminated arsenopyrite, sphalerite, pyrite, and galena. Minor carbonate present.			
								As	5	DI
								Gn	1	DI
								Py	2	DI
								Sp	4	DI
165.86	167.15	VN	37	-	NUL	1	Lower Klaza vein zone. Gouged argillic/phyllic granodiorite with quartz flooding. Veining found throughout hosting massive to blebby pyrite, blebby sphalerite, galena, and chalcopyrite. Pyrite is very broken down (almost powder like) across the entire vein zone.			
								Py	25	DI
								Py	30	MA
								Cp	7	BL
								Sp	10	BL
								Gn	2	DI
167.53	166.17	VN	37	15	NUL	1	Black clay altered vein within gouged argillic/phyllic granodiorite. Hosts disseminated pyrite throughout.			
								Py	4	DI
168.96	169.52	VN	37	15	NUL	1	Black clay altered vein within gouged argillic/phyllic granodiorite. Hosts disseminated pyrite.			
								Py	4	DI

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382877	6890280	1354.61	116

ZONE: Central Klaza

SECTION:

HOLE: KL-16-338

CLAIM: Klaza 17

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 07 - Aug 05, 2016

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
11	35.6	-50.2	Reflex
116	33.6	-50.8	Reflex

TARGET: Central Klaza Met Hole

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.3	2.3	CAS
2.3	3	0.7	OVB
3	10.33	7.33	GRD
10.33	28.94	18.61	GRD
28.94	35	6.06	QFP
35	35.62	0.62	VEN
35.62	37.34	1.72	QFP
37.34	38.83	1.49	BXA
38.83	52.14	13.31	GRD
52.14	53.28	1.14	QFP
53.28	58.45	5.17	GRD
58.45	64.11	5.66	QFP
64.11	65.21	1.1	VEN
65.21	85.3	20.09	GRD
85.3	86.25	0.95	QFP
86.25	98.44	12.19	GRD

SAMPLES	
Numbers:	K292829 to K292836, R615070 to R615111, R616148 to R616150
Total:	53
Batch:	092, 106, 107, 108
Certificates:	VA16129499, VA16129523, VA16129526, VA16129527

COMMENTS

98.44	116	17.56	GRD

Box Log

KL-16-338

Klaza
ntral Klaza Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	2.3	5.89
2	5.89	7.73
3	7.73	10.4
4	10.4	13.6
5	13.6	16.8
6	16.8	19.64
7	19.64	22.7
8	22.7	25.55
9	25.55	28.6
10	28.6	31.7
11	31.7	34.7
12	34.7	37.74
13	37.74	41
14	41	44
15	44	47.1
16	47.1	50.38
17	50.38	53.62
18	53.62	56.97
19	56.97	60.16
20	60.16	63.45
21	63.45	66.66
22	66.66	69.64
23	69.64	72.91
24	72.91	75.98
25	75.98	79.27
26	79.27	82.48
27	82.48	85.81
28	85.81	89
29	89	92.19
30	92.19	95.35
31	95.35	98.51
32	98.51	102.15
33	102.15	105.43
34	105.43	108.44
35	108.44	111.6
36	111.6	114.61
37	114.61	116

Box Number	From (m)	To (m)

Hole Name

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
KL-16-338									
	35.5	11	HQ	VEN	952.3	667.2	2.78	3.3	
	66.93	10.5	HQ	GRD	1441.3	1126.5	4.4	4.6	Massive sulphide vein hosting pyrite, galena, sphalerite, blebby arsenopyrite and disseminated chalcopyrite

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.30	3.00	0.70	OVB	--	Organics and overburden.							
						MD	BR					
3.00	10.33	7.33	GRD	MG	Unaltered granodiorite alternating with moderately argillic altered granodiorite. Both unaltered and argillic granodiorite display moderate to strong oxidation. Oxidation much more pervasive in argillic alteration. Patches of highly fractured granodiorite throughout.							
						MD	OR	FR	OXI	4I		
						LT	OR	PA	OXI	3I		
						LT	BR		ARG	2I		
									ARG	3I		
10.33	28.94	18.61	GRD	MG	Zone of weak to moderate phyllic to propylitic altered granodiorite with patches of argillic alteration displaying propylitic to phyllic overprinting. Entire interval is oxidized in patches throughout, with pervasive oxidation occurring in argillic altered zones. Oxidation is strong along joints and fracture planes. Phyllic to propylitic zones carry numerous quartz and breccia veins of significance throughout.							
						MD	OR	FR	PHC	3I	Py	1
						MD	WH	BX	PRO	2I	Gn	1
						MD	GN		ARG	3I	Sp	1
						LT	OR	PA	PHC	2I	Py	1
						LT	GN		ARG	2I	Gn	1
											As	1
											As	1
28.94	35.00	6.06	QFP	FG	Light grey to green quartz feldspar porphyry dyke with carbonate veinlets and stringers throughout. Dyke displays moderate to strong pervasive oxidation throughout and along fracture and joint planes. Highly fractured zones present throughout.							
						MD	OR	FR	OXI	3I		
						LT	OR	PO	OXI	2I		
						LT	GY		OXI	4I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
35.00	35.62	0.62	VEN	MG	Oxidized propylitic granodiorite with quartz flooding carrying a black breccia zone that transitions into a smokey quartz vein hosting blebby galena, sphalerite, galena, and disseminated arsenopyrite. Breccia carries clasts of light brown dyke, quartz, carbonate, and propylitic granodiorite. Carbonate veinlets and stringers seen throughout. Vein zone is also weakly gouged.							
						MD	GN	BX	PRO	3I	Py	1
						MD	BL				As	6
						LT	GN	PA	PRO	2I	Py	3
						LT	BR		OXI	2I	Sp	4
						LT	OR				Gn	3
35.62	37.34	1.72	QFP	FG	Light grey to green quartz feldspar porphyry dyke with carbonate veinlets and stringers throughout. Dyke displays moderate to strong pervasive oxidation throughout and along fracture and joint planes. Highly fractured zones present throughout.							
						MD	OR					
						LT	BR	PO				
						LT	GY					
37.34	38.83	1.49	BXA	MG	Oxidized propylitic altered granodiorite with two breccia zones within. Black breccia zones carry carbonate, quartz, host granodiorite, and light brown feldspar dyke clasts within; along with minor sulfides.							
						MD	GN	PA	PRO	3I	Py	1
						MD	BL	BX	PRO	2I	Gn	1
						MD	OR		OXI	2I	Py	1
									OXI	3I		
38.83	52.14	13.31	GRD	MG	Weak to moderate argillic altered granodiorite with phyllic to propylitic overprinting alterenating with both phyllic and propylitic alteration. Mineralized quartz veins found throughout. Weak oxidation found along joints and fracture faces throughout.							
						MD	GN	FR	ARG	3I	Sp	1
						LT	GN	PA	ARG	2I	Gn	1
						LT	WH		PHC	2I	Py	1
									OXI	2I		
									PHC	3I	Py	1
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	3I		
52.14	53.28	1.14	QFP	FG	Light grey to brown quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	BR					
53.28	58.45	5.17	GRD	MG	Phyllic altered granodiorite alternating with weak to moderately argillic/phyllic granodiorite. Interval carries multiple zones of quartz/smokey quartz veining throughout.							
						MD	GN		PHC	3I	Py	1
						MD	WH		ARG	2I	As	1
						MD	BL		ARG	3I	As	1
						LT	GN	PA	PHC	2I	Py	1
											Sp	1
											Gn	1
58.45	64.11	5.66	QFP	FG	Light red quartz feldspar porphyry dyke transitioning to and from light to medium brown dyke. Carbonate veining occurs throughout.							
						MD	BR	PA				
						LT	BR	PO				
						LT	RD					
64.11	65.21	1.10	VEN	MG	Black breccia and smokey quartz brecciating propylitic to phyllic granodiorite, transitioning into a 30cm quartz/smokey quartz vein hosting significant sulfides. Breccia and vein zone found within strong propylitic/phyllic altered granodiorite.							
						MD	GN	CR	PRO	4I	Py	5
						MD	BL				Py	5
						LT	GN	BX	PHC	4I	Gn	5
											As	10
											Sp	5
65.21	85.30	20.09	GRD	MG	Moderately argillic altered granodiorite with both patchy phyllic and propylitic overprinting alternating with phyllic and propylitic altered granodiorite. Carries a small zone of unaltered granodiorite with weak propylitic overprinting. Interval carries multiple significant vein zones throughout.							
						MD	WH		PHC	4I	Gn	1
						MD	GN		PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I	Gn	1
									PRO	3I	Sp	1
									PRO	4I	Sp	1
									ARG	2I		
									ARG	3I		
85.30	86.25	0.95	QFP	FG	Light grey quartz feldspar porphyry dyke. Narrow carbonate veins are found along upper and lower contacts.							
						LT	GY	PO				
86.25	93.80	7.55	GRD	MG	Weak to moderately phyllic altered granodiorite alternating with argillic altered granodiorite displaying patchy weak phyllic to potassic overprinting. Small intervals of weak propylitic altered granodiorite seen. Interval carries substantial breccia veining within.							
						MD	WH	BX	PHC	3I	Py	1
						MD	GN		ARG	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
						LT	RD		ARG	2I	Gn	1
									PRO	2I	As	1
									POT	2I	As	1
98.44	116.00	17.56	GRD	MG	Unaltered granodiorite carrying both a phyllic altered halo, and a phyllic/potassic altered halo within. Unaltered granodiorite contains zones of patchy dark grey xenolith that is trace magnetic. Small blebs of quartz found within xenolith along with unaltered granodiorite.							
						MD	GY		POT	2I		
						LT	PK	XN	PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.30	3.00	0.70	OVB	--	Organics and overburden.							
						MD	BR					
3.00	10.33	7.33	GRD	MG	Unaltered granodiorite alternating with moderately argillic altered granodiorite. Both unaltered and argillic granodiorite display moderate to strong oxidation. Oxidation much more pervasive in argillic alteration. Patches of highly fractured granodiorite throughout.							
						LT	OR	PA	OXI	3I		
						MD	OR	FR	OXI	4I		
						LT	BR		ARG	2I		
									ARG	3I		
10.33	28.94	18.61	GRD	MG	Zone of weak to moderate phyllic to propylitic altered granodiorite with patches of argillic alteration displaying propylitic to phyllic overprinting. Entire interval is oxidized in patches throughout, with pervasive oxidation occurring in argillic altered zones. Oxidation is strong along joints and fracture planes. Phyllic to propylitic zones carry numerous quartz and breccia veins of significance throughout.							
						LT	GN	PA	PHC	2I	Py	1
						MD	GN	FR	PHC	3I	Py	1
						LT	OR	BX	PRO	2I	Gn	1
						MD	OR		ARG	2I	Gn	1
						MD	WH		ARG	3I	Sp	1
											As	1
											As	1
28.94	35.00	6.06	QFP	FG	Light grey to green quartz feldspar porphyry dyke with carbonate veinlets and stringers throughout. Dyke displays moderate to strong pervasive oxidation throughout and along fracture and joint planes. Highly fractured zones present throughout.							
						LT	GN					
						LT	OR	PO	OXI	2I		
						MD	OR	FR	OXI	3I		
						LT	GY		OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
35.00	35.62	0.62	VEN	MG	Oxidized propylitic granodiorite with quartz flooding carrying a black breccia zone that transitions into a smokey quartz vein hosting blebby galena, sphalerite, galena, and disseminated arsenopyrite. Breccia carries clasts of light brown dyke, quartz, carbonate, and propylitic granodiorite. Carbonate veinlets and stringers seen throughout. Vein zone is also weakly gouged.							
						MD	GN	BX	PRO	3I	Py	1
						LT	BR		OXI	2I	Sp	4
						MD	BL				As	6
						LT	OR				Gn	3
						LT	GN	PA	PRO	2I	Py	3
35.62	37.34	1.72	QFP	FG	Light grey to green quartz feldspar porphyry dyke with carbonate veinlets and stringers throughout. Dyke displays moderate to strong pervasive oxidation throughout and along fracture and joint planes. Highly fractured zones present throughout.							
						LT	BR	PO				
						LT	GY					
						MD	OR					
37.34	38.83	1.49	BXA	MG	Oxidized propylitic altered granodiorite with two breccia zones within. Black breccia zones carry carbonate, quartz, host granodiorite, and light brown feldspar dyke clasts within; along with minor sulfides.							
						MD	BL	BX	PRO	2I	Gn	1
						MD	GN	PA	PRO	3I	Py	1
						MD	OR		OXI	2I	Py	1
									OXI	3I		
38.83	52.14	13.31	GRD	MG	Weak to moderate argillic altered granodiorite with phyllic to propylitic overprinting alterenating with both phyllic and propylitic alteration. Mineralized quartz veins found throughout. Weak oxidation found along joints and fracture faces throughout.							
									PRO	3I		
									PRO	2I		
						MD	GN	FR	ARG	3I	Sp	1
									OXI	2I		
						LT	WH		PHC	2I	Py	1
						LT	GN	PA	ARG	2I	Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	3I	Py	1
52.14	53.28	1.14	QFP	FG	Light grey to brown quartz feldspar porphyry dyke.							
						LT	BR					
						LT	GY	PO				
53.28	58.45	5.17	GRD	MG	Phyllic altered granodiorite alternating with weak to moderately argillic/phyllic granodiorite. Interval carries multiple zones of quartz/smokey quartz veining throughout.							
											Sp	1
						MD	WH		ARG	2I	As	1
						MD	GN		PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1
						MD	BL		ARG	3I	As	1
											Gn	1
58.45	64.11	5.66	QFP	FG	Light red quartz feldspar porphyry dyke transitioning to and from light to medium brown dyke. Carbonate veining occurs throughout.							
						LT	RD					
						LT	BR	PO				
						MD	BR	PA				
64.11	65.21	1.10	VEN	MG	Black breccia and smokey quartz brecciating propylitic to phyllic granodiorite, transitioning into a 30cm quartz/smokey quartz vein hosting significant sulfides. Breccia and vein zone found within strong propylitic/phyllic altered granodiorite.							
											As	10
						LT	GN	BX	PHC	4I	Gn	5
						MD	GN	CR	PRO	4I	Py	5
						MD	BL				Py	5
											Sp	5
65.21	85.30	20.09	GRD	MG	Moderately argillic altered granodiorite with both patchy phyllic and propylitic overprinting alternating with phyllic and propylitic altered granodiorite. Carries a small zone of unaltered granodiorite with weak propylitic overprinting. Interval carries multiple significant vein zones throughout.							
									PRO	3I	Sp	1
						LT	GN	PA	PHC	2I	Py	1
						MD	GN		PHC	3I	Py	1
									PRO	2I	Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	4I	Sp	1
									ARG	2I		
									ARG	3I		
						MD	WH		PHC	4I	Gn	1
85.30	86.25	0.95	QFP	FG	Light grey quartz feldspar porphyry dyke. Narrow carbonate veins are found along upper and lower contacts.							
						LT	GY	PO				
86.25	98.44	12.19	GRD	MG	Weak to moderately phyllic altered granodiorite alternating with argillic altered granodiorite displaying patchy weak phyllic to potassic overprinting. Small intervals of weak propylitic altered granodiorite seen. Interval carries substantial breccia veining within. Granodiorite is crosscut by a ~40cm light grey quartz feldspar dyke.							
						LT	GN	PA	PHC	2I	Py	1
						MD	WH	BX	PHC	3I	Py	1
						LT	RD		ARG	2I	Gn	1
						MD	GN		ARG	3I	Sp	1
									PRO	2I	As	1
									POT	2I	As	1
98.44	116.00	17.56	GRD	MG	Unaltered granodiorite carrying both a phyllic altered halo, and a phyllic/potassic altered halo within. Unaltered granodiorite contains zones of patchy dark grey xenolith that is trace magnetic. Small blebs of quartz found within xenolith along with unaltered granodiorite.							
						MD	GY		POT	2I		
						LT	PK	XN	PHC	3I	Py	1
						LT	GN	PA	PHC	2I	Py	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.30	2.30	0	0	0.00	0	--	--	--	Cased
2.30	5.00	2.70	2.48	92	0.68	25	--	2H	5W	
5.00	8.00	3.00	3	100	1.01	34	--	3H	4W	
8.00	11.00	3.00	2.82	94	0.65	22	--	3H	4W	
11.00	14.00	3.00	2.95	98	1.79	60	--	4H	2W	
14.00	17.00	3.00	2.89	96	1.48	49	--	4H	2W	
17.00	20.00	3.00	2.95	98	1.34	45	--	4H	2W	
20.00	23.00	3.00	3	100	1.20	40	--	3H	2W	
23.00	26.00	3.00	3	100	2.25	75	--	4H	2W	
26.00	29.00	3.00	3	100	1.62	54	--	4H	3W	
29.00	32.00	3.00	2.99	100	1.76	59	--	3H	3W	
32.00	35.00	3.00	3	100	1.53	51	--	3H	3W	
35.00	38.00	3.00	2.98	99	1.29	43	--	3H	3W	
38.00	41.00	3.00	3	100	2.86	95	--	4H	2W	
41.00	44.00	3.00	2.98	99	2.71	90	--	4H	1W	
44.00	47.00	3.00	3	100	2.58	86	--	4H	1W	
47.00	50.00	3.00	3	100	2.33	78	--	4H	1W	
50.00	53.00	3.00	3	100	2.87	96	--	3H	1W	
53.00	56.00	3.00	3	100	2.46	82	--	3H	1W	
56.00	59.00	3.00	3	100	1.77	59	--	3H	1W	
59.00	62.00	3.00	3	100	1.36	45	--	3H	1W	
62.00	65.00	3.00	3	100	1.96	65	--	3H	1W	
65.00	68.00	3.00	3	100	2.68	89	--	4H	1W	
68.00	71.00	3.00	3	100	2.07	69	--	3H	1W	
71.00	74.00	3.00	3	100	1.89	63	--	4H	1W	
74.00	77.00	3.00	3	100	2.08	69	--	3H	1W	
77.00	80.00	3.00	3	100	2.25	75	--	3H	1W	
80.00	83.00	3.00	3	100	2.80	93	--	3H	1W	
83.00	86.00	3.00	3	100	2.64	88	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.00	89.00	3.00	3	100	2.50	83	--	4H	1W	
89.00	92.00	3.00	3	100	2.69	90	--	3H	1W	
92.00	95.00	3.00	3	100	2.51	84	--	3H	1W	
95.00	98.00	3.00	3	100	2.07	69	--	3H	1W	
98.00	101.00	3.00	2.82	94	2.32	77	--	4H	1W	
101.00	104.00	3.00	3	100	2.54	85	--	5H	1W	
104.00	107.00	3.00	3	100	2.55	85	--	5H	1W	
107.00	110.00	3.00	2.99	100	2.72	91	--	5H	1W	
110.00	113.00	3.00	3	100	2.76	92	--	5H	1W	
113.00	116.00	3.00	3	100	2.71	90	--	5H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0	CAS	Cased
2	0	CAS	Cased
3	15.8	OVB	
3	15.8	GRD	
4	0.372	GRD	
5	0.23	GRD	
6	0.173	GRD	
7	10.2	GRD	
8	0.643	GRD	
9	1.32	GRD	
10	11.7	GRD	
11	0.854	GRD	
12	17.1	GRD	
13	0.506	GRD	
14	1.77	GRD	
15	17.5	GRD	
16	21.3	GRD	
17	18.8	GRD	
18	15.7	GRD	
19	8.46	GRD	
20	0.667	GRD	
21	0.128	GRD	
22	0.138	GRD	
22	0.168	GRD	
23	0.387	GRD	
24	0.3	GRD	
25	0.334	GRD	
26	0.271	GRD	
27	0.484	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
28	0.306	GRD	
29	0.421	QFP	
30	0.232	QFP	
31	0.263	QFP	
32	0.223	QFP	
33	0.209	QFP	
34	0.263	QFP	
35	0.306	QFP	
35	0.306	VEN	
36	0.211	QFP	
37	0.25	QFP	
38	0.236	BXA	
39	0.232	GRD	
40	0.283	GRD	
41	0.488	GRD	
42	0.655	GRD	
43	12.6	GRD	
44	13.1	GRD	
45	0.483	GRD	
46	0.293	GRD	
47	0.287	GRD	
48	0.303	GRD	
49	0.315	GRD	
50	0.464	GRD	
51	0.555	GRD	
52	0.507	GRD	
53	0.623	QFP	
54	0.091	GRD	
55	0.151	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
56	0.399	GRD	
57	0.418	GRD	
58	0.285	GRD	
59	0.208	QFP	
60	0.33	QFP	
61	0.326	QFP	
62	0.179	QFP	
63	0.304	QFP	
64	0.332	QFP	
65	0.265	VEN	
66	0.306	GRD	
67	0.136	GRD	
68	1.11	GRD	
69	0.414	GRD	
70	0.166	GRD	
71	0.421	GRD	
72	0.319	GRD	
73	3.07	GRD	
74	0.567	GRD	
75	7.32	GRD	
76	7.6	GRD	
77	9.62	GRD	
78	1.01	GRD	
79	8.74	GRD	
80	8.46	GRD	
81	0.216	GRD	
82	0.785	GRD	
83	5.04	GRD	
84	2.4	GRD	
85	0.37	GRD	
86	0.437	QFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
87	0.27	GRD	
88	0.441	GRD	
89	0.224	GRD	
90	1.02	GRD	
91	0.355	GRD	
92	0.593	GRD	
93	0.281	GRD	
94	0.02	GRD	
95	0.419	GRD	
96	0.362	GRD	
97	0.462	GRD	
98	0.02	GRD	
99	5.92	GRD	
100	23.1	GRD	
101	13.5	GRD	
102	0.471	GRD	
103	12.3	GRD	
104	10.6	GRD	
105	12.9	GRD	
106	22.2	GRD	
107	35.2	GRD	
108	13.3	GRD	
109	23.6	GRD	
110	0.294	GRD	
111	5.91	GRD	
112	22.6	GRD	
113	24.8	GRD	
114	32.6	GRD	
115	27.2	GRD	
116	24	GRD	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R615078	☐	16-107			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615094	☐	16-107			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615098	☐	16-107		KL-STD1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615111	☐	16-108			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R615074	☐	16-107		KL-STD5	☐	☐	☐
21.02	22.28	1.26	GRD	1.16	92	R616148	☐	16-106			☐	☐	☐
22.28	25.16	2.88	GRD	2.86	99	R616149	☐	16-106			☐	☐	☐
25.16	27.74	2.58	GRD	2.58	100	R616150	☐	16-107			☐	☐	☐
27.74	28.43	0.69	GRD	0.58	84	R615082	☐	16-107			☐	☐	☐
28.43	29.13	0.70	GRD	0.70	100	R615070	☐	16-107			☐	☐	☐
29.13	32.13	3.00	QFP	2.96	99	R615071	☐	16-107			☐	☐	☐
32.13	35.13	3.00	QFP	2.96	99	R615072	☐	16-107			☐	☐	☐
35.13	35.62	0.49	VEN	0.49	100	K292829	☐	16-092	High Grade		☐	☐	☐
35.62	37.34	1.72	VEN, QFP	1.69	98	R615073	☐	16-107			☐	☐	☐
37.34	38.23	0.89	QFP, BXA	0.89	100	R615075	☐	16-107			☐	☐	☐
38.23	38.83	0.60	BXA	0.60	100	R615076	☐	16-107			☐	☐	☐
38.83	40.70	1.87	BXA, GRD	1.87	100	R615077	☐	16-107			☐	☐	☐
40.70	42.55	1.85	GRD	1.85	100	R615079	☐	16-107			☐	☐	☐
42.55	44.36	1.81	GRD	1.81	100	R615080	☐	16-107			☐	☐	☐
44.36	46.04	1.68	GRD	1.68	100	R615081	☐	16-107			☐	☐	☐
46.04	47.43	1.39	GRD	1.39	100	R615083	☐	16-107			☐	☐	☐
46.04	47.43	1.39	GRD	1.39	100	R615084	☐	16-107			☐	☐	☑
47.43	49.79	2.36	GRD	2.36	100	R615085	☐	16-107			☐	☐	☐
49.79	50.92	1.13	GRD	1.13	100	R615086	☐	16-107			☐	☐	☐
50.92	52.14	1.22	GRD	1.19	98	R615087	☐	16-107			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
52.14	53.26	1.12	QFP, GRD	1.12	100	R615088	☐	16-107			☐	☐	☐
53.26	54.66	1.40	QFP	1.40	100	R615089	☐	16-107			☐	☐	☐
54.66	56.35	1.69	GRD	1.69	100	R615090	☐	16-107			☐	☐	☐
54.66	56.35	1.69	GRD	1.69	100	R615091	☐	16-107			☐	☐	☑
56.35	56.97	0.62	GRD	0.62	100	R615092	☐	16-107			☐	☐	☐
56.97	57.74	0.77	GRD	0.77	100	K292830	☐	16-092	High Grade		☐	☐	☐
57.74	58.46	0.72	GRD	0.72	100	R615093	☐	16-107			☐	☐	☐
58.46	60.16	1.70	QFP	1.70	100	R615095	☐	16-107			☐	☐	☐
60.16	62.30	2.14	QFP	2.14	100	R615096	☐	16-107			☐	☐	☐
62.30	64.12	1.82	QFP	1.82	100	R615097	☐	16-107			☐	☐	☐
64.12	64.83	0.71	VEN	0.71	100	K292831	☐	16-092	High Grade		☐	☐	☐
64.83	65.28	0.45	VEN	0.45	100	K292832	☐	16-092	High Grade		☐	☐	☐
65.28	66.93	1.65	GRD	1.65	100	K292835	☐	16-092	High Grade		☐	☐	☐
65.28	66.93	1.65	GRD	1.65	100	K292836	☐	16-092	High Grade		☐	☐	☑
66.93	67.57	0.64	GRD	0.64	100	K292833	☐	16-092	High Grade		☐	☐	☐
67.57	70.57	3.00	GRD	3.00	100	R615100	☐	16-107			☐	☐	☐
70.57	72.25	1.68	GRD	1.68	100	R615099	☐	16-107			☐	☐	☐
72.25	72.56	0.31	GRD	0.31	100	K292834	☐	16-092	High Grade		☐	☐	☐
72.56	74.97	2.41	GRD	1.39	58	R615101	☐	16-107			☐	☐	☐
80.91	81.21	0.30	GRD	0.30	100	R615102	☐	16-107			☐	☐	☐
84.57	85.27	0.70	GRD	0.70	100	R615103	☐	16-107			☐	☐	☐
85.27	86.22	0.95	GRD	0.95	100	R615104	☐	16-107			☐	☐	☐
86.22	86.83	0.61	QFP	0.61	100	R615105	☐	16-108			☐	☐	☐
92.56	93.24	0.68	GRD	0.68	100	R615106	☐	16-108			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
93.24	94.35	1.11	GRD	1.11	100	R615107	☐	16-108			☐	☐	☐
94.35	95.00	0.65	GRD	0.65	100	R615108	☐	16-108			☐	☐	☐
95.00	96.84	1.84	GRD	1.84	100	R615109	☐	16-108			☐	☐	☐
96.84	98.16	1.32	GRD	1.32	100	R615110	☐	16-108			☐	☐	☐

KL-16-338
Central Klaza

Sample Results

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Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	21.02			☐	☐	☐	☐	
16-107	R615074	0.00	0.00	0.89	140	☐	☐	☐	☑ KL-STD5	
16-107	R615078	0.00	0.00	0.00	20	☐	☐	☑	☐	
16-107	R615094	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-107	R615098	0.00	0.00	4.44	180	☐	☐	☐	☑ KL-STD1	
16-108	R615111	0.00	0.00	0.00	30	☐	☐	☑	☐	
16-106	R616148	21.02	22.28	6.76	560	☐	☐	☐	☐	
16-106	R616149	22.28	25.16	0.78	970	☐	☐	☐	☐	
16-107	R616150	25.16	27.74	0.02	3700	☐	☐	☐	☐	
16-107	R615082	27.74	28.43	0.08	1230	☐	☐	☐	☐	
16-107	R615070	28.43	29.13	0.25	1370	☐	☐	☐	☐	
16-107	R615071	29.13	32.13	0.01	2230	☐	☐	☐	☐	
16-107	R615072	32.13	35.13	0.02	1030	☐	☐	☐	☐	
16-092	K292829	35.13	35.62	7.14	5290	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-107	R615073	35.62	37.34	0.04	1560	☐	☐	☐	☐	
16-107	R615075	37.34	38.23	0.93	600	☐	☐	☐	☐	
16-107	R615076	38.23	38.83	0.92	390	☐	☐	☐	☐	
16-107	R615077	38.83	40.70	0.15	1960	☐	☐	☐	☐	
16-107	R615079	40.70	42.55	0.13	1870	☐	☐	☐	☐	
16-107	R615080	42.55	44.36	0.01	2130	☐	☐	☐	☐	
16-107	R615081	44.36	46.04	0.83	2500	☐	☐	☐	☐	
16-107	R615083	46.04	47.43	0.29	790	☐	☐	☐	☐	
16-107	R615084	46.04	47.43	0.30	840	☐	☑	☐	☐	
16-107	R615085	47.43	49.79	0.45	1100	☐	☐	☐	☐	
16-107	R615086	49.79	50.92	0.01	1680	☐	☐	☐	☐	
16-107	R615087	50.92	52.14	0.05	1210	☐	☐	☐	☐	
16-107	R615088	52.14	53.26	0.00	1350	☐	☐	☐	☐	
16-107	R615089	53.26	54.66	1.48	280	☐	☐	☐	☐	
16-107	R615090	54.66	56.35	0.16	1400	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-107	R615091	54.66	56.35	0.16	1380	☐	☑	☐	☐	
16-107	R615092	56.35	56.97	0.90	660	☐	☐	☐	☐	
16-092	K292830	56.97	57.74	11.60	1320	☐	☐	☐	☐	
16-107	R615093	57.74	58.46	0.58	480	☐	☐	☐	☐	
16-107	R615095	58.46	60.16	0.01	770	☐	☐	☐	☐	
16-107	R615096	60.16	62.30	0.00	1130	☐	☐	☐	☐	
16-107	R615097	62.30	64.12	0.01	450	☐	☐	☐	☐	
16-092	K292831	64.12	64.83	4.31	2390	☐	☐	☐	☐	
16-092	K292832	64.83	65.28	31.60	1170	☐	☐	☐	☐	
16-092	K292835	65.28	66.93	0.04	1430	☐	☐	☐	☐	
16-092	K292836	65.28	66.93	0.04	1340	☐	☑	☐	☐	
16-092	K292833	66.93	67.57	8.51	810	☐	☐	☐	☐	
16-107	R615100	67.57	70.57	0.06	2540	☐	☐	☐	☐	
16-107	R615099	70.57	72.25	0.02	1650	☐	☐	☐	☐	
16-092	K292834	72.25	72.56	0.50	6000	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	Ba g/t	¼ Dup	Crs. Dup	Blk	Standard	Comments
16-107	R615101	72.56	74.97	0.00	2170	☐	☐	☐	☐	
		74.97	80.91			☐	☐	☐	☐	
16-107	R615102	80.91	81.21	1.37	230	☐	☐	☐	☐	
		81.21	84.57			☐	☐	☐	☐	
16-107	R615103	84.57	85.27	0.94	480	☐	☐	☐	☐	
16-107	R615104	85.27	86.22	0.02	1100	☐	☐	☐	☐	
16-108	R615105	86.22	86.83	1.17	2280	☐	☐	☐	☐	
		86.83	92.56			☐	☐	☐	☐	
16-108	R615106	92.56	93.24	0.04	2210	☐	☐	☐	☐	
16-108	R615107	93.24	94.35	3.03	1930	☐	☐	☐	☐	
16-108	R615108	94.35	95.00	0.04	1970	☐	☐	☐	☐	
16-108	R615109	95.00	96.84	0.02	1230	☐	☐	☐	☐	
16-108	R615110	96.84	98.16	0.56	1120	☐	☐	☐	☐	
		98.16	######			☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
21.46	21.79	GO	34	-	NUL	1	Fault gouge containing disseminated pyrite.			
								Py	2	DI
21.79	22.08	BN		30	NUL	1	Smoky quartz breccia hosting blebby galena, pyrite, honey brown sphalerite, and arsenopyrite.			
								Py	3	BL
								As	5	BL
								Sp	15	BL
								Gn	5	BL
22.95	23.05	VN	37	60	NUL	1	Fractured, broken quartz vein hosting bands of massive pyrite.			
								Py	15	MA
23.96	26.44	VN	37	75	NUL	4	Narrow veins of banded white-grey quartz-carbonate hosting fine blebby pyrite.			
								Py	1	BL
28.06	28.24	BX	34	75	NUL	3	Narrow smoky quartz veins hosting fine disseminated pyrite, weakly brecciated by crustiform quartz-carbonate veinlets.			
								Py	1	DI
28.45	29.12	BX	34	60	NUL	1	Undulating, brecciated contact between granodiorite and quartz feldspar porphyry dyke. Quartz feldspar porphyry dyke brecciates smkoy quartz veining. A 3 cm smoky quartz band is along the upper selvedge.			
								Py	2	DI
35.13	35.62	BX	34	60	NUL	1	Weakly clay altered smoky quartz vein breccia containing clasts of phyllic granodiorite and quartz feldspar porphyry dyke. Smoky quartz hosts blebby-massive arsenopyrite, sphalerite, blebby galena, and blebby pyrite.			
								As	10	MA
								Py	5	BL
								Sp	15	MA
								Gn	5	BL
37.50	37.69	BX	34	75	NUL	1	Smoky quartz breccia with large clasts of quartz feldspar porphyry dyke and many smaller, sand-sized clasts of phyllic granodiorite. Blebby galena and blackjack sphalerite is found in the smoky quartz matrix.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Sp	1	BL
								Gn	2	BL
38.23	38.83	BX	34	55	NUL	1	Smoky quartz breccia with angular clasts of phyllic granodiorite, some of which are large than 10 cm across. Smoky quartz hosts very fine disseminated pyrite.			
								Py	2	DI
41.24	41.46	VN	37	70	NUL	3	Irregularly banded veins of smoky quartz and white carboante, hosting blebby honey brown sphalerite and galena.			
								Sp	5	BL
								Gn	10	BL
44.44	44.53	BX	34	45	NUL	1	Smoky quartz breccia containing smaller, rounded clasts of phyllic granodiorite and occasional rounded clasts of a massive sulphide vein. Massive sulphide vein clasts host blebby arsenopyrite, galena, honey brown sphalerite, and pyrite. Smoky quartz matrix hosts fine disseminated pyrite.			
								Py	1	DI
								Gn	1	BL
								As	2	BL
								Py	1	BL
								Sp	1	BL
45.97	46.04	VN	37	60	NUL	2	Massive quartz veins hosting blebby pyrite, galena, honey brown sphalerite, and arsenopyrite.			
								Sp	5	BL
								Gn	10	BL
								As	5	BL
								Py	5	BL
47.48	48.24	BX	34	40	NUL	1	Smoky quartz breccia with very poorly sorted phyllic granodiorite and sulphide vein clasts. Sulphide vein hosts pyrite, sphalerite, galena, and arsenopyrite. Smoky quartz hosts fine disseminated pyrite.			
								Sp	1	BL
								As	0.5	BL
								Py	0.5	BL
								Gn	1	BL
								Py	1	DI

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
49.47	49.49	BX	34	60	NUL	1	Smoky quartz breccia hosting fine disseminated pyrite, blebby galena, and blebby honey brown sphalerite.			
								Py	1	DI
								Gn	0.5	BL
								Sp	0.1	BL
49.59	49.65	VN	37	20	NUL	1	White massive quartz vein with central band of carbonate hosting blebby pyrite and honey brown sphalerite.			
								Sp	1	BL
								Py	1	BL
51.05	51.07	VN	37	65	NUL	1	Smoky quartz vein hosting blebby pyrite and honey brown sphalerite.			
								Sp	1	BL
								Py	2	BL
53.26	54.66	VT	37	50	NUL	8	White quartz veins with dark grey narrow halos. Quartz hosts blebby pyrite, galena, and fine blebby honey brown sphalerite.			
								Sp	0.5	BL
								Py	1	BL
								Gn	5	BL
56.08	56.11	VN	37	50	NUL	1	Massive white quartz hosting fine blebby pyrite.			
								Py	0.5	BL
56.45	56.97	BX	34	50	NUL	2	Smoky quartz breccias with fine phyllic granodiorite clasts and coarse calcite crystals and hosting pyrite, honey brown sphalerite, galena, and arsenopyrite.			
								Py	2	BL
								Sp	2	BL
								Gn	0.5	BL
								As	1	BL
57.10	57.19	VN	37	70	NUL	1	Massive white quartz vein hosting blebby pyrite, chalcopyrite, blebby-massive arsenopyrite, large blebby galena, and blebby honey brown sphalerite.			
								As	15	BL
								Cp	3	BL
								Sp	1	BL
								Gn	5	BL
								Py	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
57.25	57.38	VN	37	70	NUL	2	White massive quartz veins hosting large blebby arsenopyrite, blebby pyrite, blebby chalcopyrite, galena, and honey brown sphalerite.			
								Gn	1	BL
								Sp	3	BL
								Sp	2	BL
								As	10	BL
								Py	1	BL
57.50	57.74	VT	37	70	NUL	2	White quartz veinlets hosting blebby pyrite, arsenopyrite, chalcopyrite, galena, and honey brown sphalerite.			
								As	10	BL
								Sp	1	BL
								Cp	1	BL
								Gn	1	BL
								Py	2	BL
58.32	58.37	BX	34	70	NUL	1	Smoky quartz breccia hosting fine disseminated pyrite. Fractured with some gouge.			
								Py	2	DI
58.46	58.50	GO	34	55	NUL	1	Gouge at lithologic contact.			
64.22	64.83	BX	34	60	NUL	1	Smoky quartz breccia at quartz feldspar porphyry dyke contact with phyllic granodiorite clasts. Hosts blebby pyrite, honey brown sphalerite, galena, and arsenopyrite.			
								Sp	2	BL
								Py	2	BL
								Gn	2	BL
								As	8	BL
64.87	65.24	VN	37	60	NUL	1	Banded sulphide vein with bands of arsenopyrite, honey brown sphalerite, galena, pyrite, and blebs of chalcopyrite.			
								Gn	8	MA
								Cp	5	BL
								As	25	MA
								Sp	15	BL
								Py	15	MA
66.94	67.04	VN	37	65	NUL	1	Massive sulphide vein dominated by pyrite with a central band of massive galena flanked by honey brown sphalerite and blebby chalcopyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Cp	10	BL
								Gn	10	MA
								Sp	10	BL
								Py	30	MA
67.48	67.49	VT	37	60	NUL	1	Quartz vein hosting blebby honey brown sphalerite, pyrite, and galena.			
								Gn	1	BL
								Py	1	BL
								Sp	15	BL
70.34	70.49	VT	37	75	NUL	3	White-smoky quartz-carbonate veinlets hosting fine blebby pyrite.			
								Py	2	BL
72.38	72.46	VN	37	75	NUL	1	Central band of smoky quartz with inner band of tan ankerite. Bordered by 2 cm bands of massive white quartz on each selvedge, hosting blebby pyrite, honey brown sphalerite, and galena.			
								Gn	3	BL
								Sp	7	BL
								Py	4	BL
81.01	81.07	VB	37	70	NUL	1	Smoky quartz-carbonate vein breccia hosting pyrite, honey brown sphalerite, galena, and arsenopyrite.			
								As	1	BL
								Gn	3	BL
								Py	5	BL
								Sp	2	BL
84.63	83.66	VN	37	70	NUL	1	Banded quartz-carbonate vein hosting blebby pyrite, arsenopyrite, honey brown sphalerite, and galena.			
								As	15	BL
								Py	25	BL
								Sp	5	BL
								Gn	1	BL
86.22	86.26	VN	37	60	NUL	1	Banded quartz-carbonate vein hosting blebby pyrite, arsenopyrite, and honey brown sphalerite.			
								As	5	BL
								Py	20	BL
								Sp	2	BL
89.77	90.62	VN	37	70	NUL	3	Banded white-tan quartz ankerite veining with disseminated pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	2	DI
93.80	94.55	BX	34	80	NUL	1	Smoky quartz breccia with phyllic granodiorite with blebby pyrite, honey brown sphalerite, arsenopyrite, galena.			
								Sp	3	BL
								Py	3	BL
								As	3	BL
								Gn	1	BL
98.06	98.08	VN	37	60	NUL	1	Massive quartz vein with blebby honey brown sphalerite, galena, and pyrite.			

APPENDIX VI

SIGNIFICANT DRILL INTERSECTIONS

Hole ID	Zone ID	From (m)	To (m)	Interval (m)*	Gold (g/t)	Silver (g/t)
KL-10-03	Central Klaza	32.96	35.50	2.54	4.34	71.2
and		62.08	112.36	50.28	1.10	23.5
including		62.08	64.74	2.67	2.41	130.1
including		86.93	106.68	19.75	2.29	36.1
including		86.93	89.55	2.62	13.05	143
KL-10-04	BRX	97.60	98.75	1.15	1.55	23.2
and		109.83	111.00	1.17	5.07	53.6
KL-10-06	Pika	21.64	25.00	3.36	32.52	34.3
KL-10-07	Central Klaza	33.50	34.50	1.00	1.91	38.5
and		57.80	58.80	1.00	5.51	107
and		128.00	164.50	36.50	3.23	117.7
including		134.00	149.30	15.30	7.20	260
including		138.50	139.50	1.00	39.30	709
including		146.77	149.30	2.53	24.70	1087
KL-10-09	Pika	25.40	26.40	1.00	2.89	78.0
KL-10-10	Central Klaza	137.00	211.30	74.30	0.70	8.3
including		137.00	146.30	9.30	1.51	7.4
including		137.00	139.15	2.15	3.81	21.5
including		145.10	146.30	1.20	4.12	7.8
including		178.00	211.30	33.30	1.04	14.7
including		178.00	179.00	1.00	8.78	182
including		203.00	204.00	1.00	3.81	19.8
including		210.00	211.30	1.30	12.90	181
KL-10-11	AEX	88.00	89.00	1.00	0.45	99.2
and		110.20	111.20	1.00	2.25	25.0
and	BRX	182.00	189.60	7.60	0.89	9.17
including		182.00	183.00	1.00	2.86	3.7

and including		188.66	189.60	0.94	3.43	66.8
and		199.20	200.20	1.00	1.48	43.6
and		218.00	219.00	1.00	2.66	8.2
KL-11-12	Central Klaza	107.08	108.10	1.02	3.06	253
and		194.40	196.36	1.96	1.98	49.0
and		217.34	225.80	8.46	1.75	42.0
including		221.00	225.80	4.80	2.80	70.0
and		257.70	258.72	1.02	3.70	7.0
KL-11-13	Central Klaza	89.23	94.00	4.77	1.71	34.0
and		137.23	139.16	1.93	1.13	37.0
and		156.45	203.61	47.16	0.52	6.0
including		156.45	165.46	9.01	1.24	12.0
KL-11-14	Central Klaza	120.10	121.10	1.00	1.75	32.0
and		155.13	156.07	0.94	0.58	135
and		231.76	232.79	1.03	7.99	45.0
and		289.68	307.46	17.78	1.14	12.0
including		289.68	297.79	8.11	2.39	22.0
KL-11-15	Central Klaza	76.66	87.12	10.46	4.24	15.0
and		109.80	111.18	1.38	1.98	56.0
KL-11-16	Central Klaza	55.28	57.00	1.72	1.00	16.0
and		79.71	94.82	15.11	2.89	49.0
including		88.04	94.82	6.78	6.09	101
KL-11-17	Central Klaza	141.42	142.50	1.08	9.68	211
and		207.27	219.30	12.03	3.78	25.0
including		215.36	219.30	3.94	11.25	72.0
and		267.11	269.58	2.47	3.98	20.0
KL-11-18	Central Klaza	72.48	75.26	2.78	0.94	12.0
and		131.22	172.77	41.55	0.75	18.0
including		131.22	136.25	5.03	1.07	84.0
and		153.00	172.77	19.77	1.03	9.0

KL-11-19	Central Klaza	176.28	177.79	1.51	1.00	19.0
and		204.49	234.91	30.42	1.27	12.0
including		232.02	234.91	2.89	7.81	43.0
KL-11-20	Central Klaza	61.29	62.37	1.08	0.57	83.0
and		118.12	119.14	1.02	1.48	78.0
and		213.94	215.79	1.85	1.84	3.0
and		226.55	228.21	1.66	1.29	55.0
and		262.00	263.00	1.00	11.90	12.0
and		274.30	277.22	2.92	1.99	16.0
and		314.29	317.34	3.05	1.54	7.0
and		345.47	356.32	10.85	1.75	11.0
KL-11-21	Central Klaza	133.00	145.34	12.34	1.25	31.0
including		133.00	134.92	1.92	7.24	176
and		166.48	171.88	5.40	2.37	23.0
KL-11-22	BRX	56.20	61.40	5.20	0.47	124
KL-11-23	BRX	109.00	110.55	1.55	3.99	229
KL-11-24	BRX	72.00	73.37	1.37	3.15	72.0
KL-11-25	Central Klaza	52.48	64.42	11.94	2.31	41.0
including		52.48	58.75	6.27	4.22	75.0
and		94.70	95.71	1.01	7.48	445
KL-11-26	Central Klaza	72.01	83.34	11.33	0.98	15.0
KL-11-27	Central Klaza	101.28	114.33	13.05	2.27	15.0
including		101.28	103.22	1.94	8.56	77.0
and		143.82	170.03	26.21	1.76	26.0
including		144.37	145.16	0.79	27.40	549
including		155.93	157.53	1.60	6.43	50.0
including		168.57	170.03	1.46	7.41	54.0

and		211.99	213.43	1.44	10.19	23.0
including		211.99	212.60	0.61	21.30	39.0
KL-11-28	Central Klaza	72.48	75.10	2.62	1.60	32.0
and		202.00	202.63	0.63	5.41	54.0
and		253.66	255.12	1.46	10.25	585
KL-11-29	BRX	31.90	41.24	9.34	1.95	147
including		31.90	34.90	3.00	3.29	407
KL-11-31	Central Klaza	229.73	231.72	1.99	2.58	19.0
and		248.52	249.53	1.01	5.07	98.0
KL-11-32	Central Klaza	70.36	71.34	0.98	0.68	98.0
and		117.09	118.04	0.98	4.20	16.0
and		122.81	123.43	0.62	2.47	14.0
KL-11-33	BRX	120.30	121.64	1.34	5.51	180
KL-11-34	Western Klaza	16.52	18.53	2.01	1.48	33.0
and		148.95	157.42	8.47	1.31	66.0
including		156.28	157.42	1.14	5.84	122
KL-11-35	BRX	112.42	115.44	3.02	3.03	84.0
including		126.74	130.60	3.86	5.85	92.0
KL-11-36	Western Klaza	59.42	62.46	3.04	0.41	165
and		136.00	138.00	2.00	1.61	102
and		174.00	176.02	2.02	1.48	32.0
and		242.71	245.00	2.29	1.37	32.0
KL-11-37	BRX	81.13	95.93	14.80	5.43	50.0
including		81.13	82.83	1.70	11.05	133
and including		88.95	90.17	1.22	34.00	298
and including		94.68	95.93	1.25	13.10	97.0

KL-11-38		64.82	84.22	19.40	0.99	25.0
including		66.80	69.70	2.90	2.88	14.0
including	Central Klaza	75.38	76.62	1.24	6.00	179
and		102.87	104.19	1.32	6.67	94.0
and		115.55	116.77	1.22	3.54	42.0
KL-11-39	BRX	151.29	152.94	1.65	23.50	239
KL-11-40		63.33	68.02	4.69	5.39	26.0
and	Central Klaza	82.36	83.36	1.00	4.48	5.0
and		130.60	137.68	7.08	0.70	13.0
and		175.65	177.17	1.57	2.06	11.0
KL-11-41		183.63	193.31	9.68	1.59	9.0
and		207.44	212.58	5.14	1.16	12.0
and	Central Klaza	253.31	254.75	1.44	3.09	12.0
and		306.93	308.31	1.38	1.08	17.0
and		340.30	341.30	1.00	2.60	16.0
KL-11-42	Regional	41.63	42.51	0.88	1.45	30.0
and		94.82	96.62	1.80	0.01	422
KL-11-43		89.44	90.80	1.36	1.95	84.0
and		120.15	135.02	14.87	1.08	18.0
and	Central Klaza	149.95	151.66	1.71	3.02	46.0
and		202.59	208.80	6.21	0.93	16.0
and		260.55	262.70	2.15	4.42	12.0
KL-11-44		14.21	17.02	2.81	0.86	9.0
and		80.39	82.19	1.80	1.85	67.0
and		193.00	194.42	1.42	0.50	143
and	Central Klaza	234.00	235.00	1.00	2.56	3.0
and		291.55	301.70	10.15	2.67	50.0
including		291.55	296.41	4.86	4.76	88.0
and		342.96	343.98	1.02	1.63	35.0
KL-11-45	Regional	125.64	127.10	1.46	1.05	51.0
and		134.95	136.25	1.30	2.94	94.0

KL-11-46	Central Klaza	179.03	204.51	25.48	0.53	11.0
including		179.03	188.15	9.12	0.88	22.0
and		242.90	243.71	0.81	11.95	151
and		293.48	294.68	1.20	4.25	16.0
KL-11-47	Central Klaza	57.72	61.48	3.76	6.93	36.0
and		73.86	74.86	1.00	2.79	52.0
and		145.39	157.52	12.13	1.18	14.0
including		156.52	157.52	1.00	9.28	78.0
KL-11-50	Central Klaza	51.05	53.95	2.90	14.05	30.0
and		108.49	125.01	16.52	1.18	6.0
and		199.35	214.22	14.87	1.02	8.0
and		252.02	253.48	1.46	4.71	19.0
KL-11-52	Central Klaza	149.24	166.09	16.85	1.20	8.0
and		192.51	193.53	1.02	2.48	49.0
and		257.37	265.55	8.18	2.22	19.0
including		263.08	263.58	0.50	31.10	208
KL-11-53	Central Klaza	33.38	34.28	0.90	3.26	4.0
and		45.27	58.26	12.99	0.77	5.0
including		45.27	49.89	4.62	1.41	7.0
and		174.67	176.46	1.79	8.19	30.0
KL-11-55	Central Klaza	82.85	84.43	1.50	4.87	35.0
and		244.00	255.34	11.34	0.76	10.0
and		264.46	265.58	1.12	3.08	57.0
and		276.80	284.22	7.42	0.67	46.0
and		308.25	311.22	2.97	2.26	21.0
and		369.64	370.64	1.00	3.37	141
KL-11-56	Central Klaza	109.12	121.63	12.51	5.03	14.0
and		232.23	233.23	1.00	9.34	76.0
KL-11-57	Central Klaza	60.05	71.95	11.90	0.58	8.0

including		67.63	71.95	4.32	0.96	10.0
KL-11-58	Central Klaza	18.62	20.42	1.80	2.79	26.0
and		61.32	62.32	1.00	2.85	47.0
and		70.07	71.35	1.28	13.05	60.0
and		179.28	196.70	17.42	1.50	36.0
including		182.66	184.86	2.20	4.38	192
including		187.56	188.96	1.40	5.11	27.0
including		195.70	196.70	1.00	3.81	112
and		238.07	239.51	1.44	2.46	28.0
and		248.97	249.97	1.00	5.45	18.0
and		264.20	265.20	1.00	3.66	112
and		290.03	291.03	1.00	3.84	44.0
KL-11-59	Central Klaza	107.65	119.22	11.57	0.57	12.0
including		117.67	119.22	1.55	1.20	6.0
KL-11-60	Central Klaza	66.14	67.06	0.92	4.45	6.0
and		90.03	96.38	6.35	1.17	16.0
and		133.19	138.01	4.82	1.42	22.0
and		234.62	239.95	5.33	0.82	6.0
and		261.21	265.95	4.74	0.86	17.0
and		293.41	295.33	1.92	1.17	17.0
KL-11-61	Central Klaza	15.04	17.47	2.43	2.03	23.0
and		24.28	27.35	3.07	1.76	7.0
and		75.08	82.20	7.12	1.39	19.0
and		160.63	184.90	24.27	1.21	8.0
and		279.86	286.66	6.80	0.81	7.0
and		299.75	301.05	1.30	1.42	105
and		308.73	309.98	1.25	2.92	41.0
KL-11-62	Central Klaza	51.81	55.40	3.59	3.81	14.0
and		161.03	173.20	12.17	0.65	25.0
including		161.03	163.68	2.65	1.50	71.0
and		275.03	276.03	1.00	1.02	169
and		299.05	300.70	1.65	7.17	14.0

KL-11-63	Central Klaza	69.77	71.20	1.43	6.29	342
and		125.41	126.41	1.00	1.84	111
and		300.67	310.92	10.25	1.17	15.0
including		300.67	301.67	1.00	8.17	91.0
KL-11-51x	Eastern Klaza	250.30	251.50	1.20	2.07	27.9
and		427.39	428.43	1.04	0.88	10.7
and		435.32	439.27	3.95	0.82	8.45
KL-12-64	Eastern Klaza	56.46	61.14	4.68	0.76	8.85
and		88.84	93.26	4.42	2.07	20.7
and		125.00	126.33	1.33	2.02	46.7
KL-12-65	Eastern Klaza	11.87	12.87	1.00	2.78	20.0
and		97.15	98.44	1.29	1.47	10.8
and		119.82	121.84	2.02	1.78	12.9
and		130.70	135.04	4.34	3.91	30.2
including		134.04	135.04	1.00	16.05	90.2
and		188.61	190.77	2.16	0.81	98.0
KL-12-66	BRX	51.28	59.98	8.70	0.74	35.0
including		58.98	59.98	1.00	2.63	261
and		63.39	64.39	1.00	2.50	24.6
and		80.53	81.53	1.00	2.93	15.0
and	Pika	276.95	277.90	0.95	0.64	130
KL-12-67	Eastern Klaza	119.98	121.00	1.02	2.34	234
and		131.70	135.15	3.45	1.03	129.12
including		132.70	133.95	1.25	2.07	341
and		203.78	206.35	2.57	3.07	23.1
KL-12-68	Eastern Klaza	53.18	54.18	1.00	5.19	34.0
and		88.82	96.55	7.73	0.81	6.35
including		88.82	90.78	1.96	1.16	14.21
and		93.97	96.55	2.58	1.26	5.43
and		122.20	123.20	1.00	34.10	47.5
and		174.65	178.14	3.49	1.14	107.28
and		236.97	238.41	1.44	1.52	16.75

and		254.64	256.74	2.10	0.22	68.2
KL-12-69	BRX	190.44	194.86	4.42	3.23	58.88
including		190.44	192.26	1.82	5.79	40.2
KL-12-70	Eastern Klaza	37.29	38.30	1.01	1.07	7.89
KL-12-71	Eastern Klaza	69.40	73.17	3.77	1.72	13.24
including		69.40	71.00	1.60	3.03	28.0
and		99.89	108.05	8.16	1.25	14.89
including		99.89	104.98	5.09	1.67	21.55
and		147.70	148.83	1.13	1.31	81.8
and		177.26	179.37	2.11	0.80	48.22
and		196.32	199.79	3.47	0.93	24.12
and		206.39	208.63	2.24	1.27	11.51
KL-12-72	BRX	178.48	179.81	1.33	10.60	23.2
and		203.19	210.00	6.81	1.55	11.02
including		203.19	204.40	1.21	4.48	15.1
KL-12-73	Eastern Klaza	38.25	41.57	3.32	0.98	28.8
and		64.55	65.55	1.00	2.30	36.2
and		165.30	166.50	1.20	0.62	84.1
and		237.75	238.82	1.07	2.06	6.15
KL-12-74	BRX	206.89	207.89	1.00	4.85	35.7
and		244.64	246.70	2.06	3.75	0.05
KL-12-75	Western Klaza	78.68	80.50	1.82	5.66	5.57
and		103.30	104.30	1.00	2.91	299
KL-12-76	Eastern Klaza	92.00	93.08	1.08	1.64	6.97
and		103.27	111.51	8.24	1.11	5.27
Including		103.27	104.53	1.26	3.22	6.82
and		173.94	175.35	1.41	0.77	86.4
KL-12-77	Eastern Klaza	58.00	59.00	1.00	14.65	392

and		193.04	199.26	6.22	1.39	16.07
and		194.26	195.26	1.00	7.43	65.2
KL-12-78	Eastern Klaza	48.22	57.27	9.05	1.12	38.5
and		97.05	98.05	1.00	2.43	22.6
and		191.43	193.45	2.02	1.08	9.02
and		203.85	205.98	2.13	1.30	4.67
KL-12-79	Western Klaza	91.56	94.77	3.21	3.18	516
including		92.65	93.77	1.12	7.47	1350
KL-12-80	Eastern Klaza	187.53	189.95	2.42	2.29	24.7
and		196.95	204.20	7.25	1.06	8.58
including		203.15	204.20	1.05	6.52	6.88
and		288.00	289.25	1.25	1.94	3.22
KL-12-81	Dickson	12.68	13.68	1.00	2.84	14.5
and		28.24	29.76	1.52	1.61	3.44
and		59.43	61.61	2.18	4.81	2.36
and		89.37	90.37	1.00	3.63	130
KL-12-82	Eastern Klaza	92.90	94.50	1.60	0.85	369
and		185.52	189.75	4.23	0.54	36.09
including		185.52	186.52	1.00	1.76	146
and		240.22	247.04	6.82	1.13	14.6
including		240.22	241.23	1.01	3.19	49.2
KL-12-83	Dickson	45.01	46.36	1.35	5.83	132
and		105.83	107.17	1.34	0.73	59.1
KL-12-85	Eastern Klaza	207.64	208.64	1.00	0.62	36.5
KL-12-86	Dickson	115.69	116.69	1.00	7.08	127
KL-12-87	Regional	194.50	196.00	1.50	1.19	7.06
KL-12-88	BRX	236.83	247.42	10.59	1.36	58.1

including		236.83	239.41	2.58	4.64	181
KL-12-89	Pika	55.39	57.59	2.20	3.84	43.2
KL-12-91	AEX?	98.02	99.07	1.05	17.65	119
and	BRX	295.13	296.50	1.37	3.27	33.6
and		333.89	336.13	2.24	0.73	19.5
KL-12-92	Pika	117.08	120.05	2.97	1.14	4.5
and	Herc	171.82	172.82	1.00	2.80	8.46
KL-12-95	Pika	121.65	123.08	1.43	1.38	0.74
and	Herc	250.57	252.85	2.28	3.39	205
and		258.75	259.75	1.00	1.38	53.7
KL-12-93	Pika	90.17	93.59	3.42	1.51	23.2
including		90.17	91.51	1.34	3.47	21.2
and		108.70	109.70	1.00	6.29	61.9
KL-12-96	BRX	329.74	345.36	15.62	5.78	111
including		329.74	332.06	2.32	25.10	621
and including		342.46	345.36	2.90	10.55	92.7
KL-12-97	AEX	63.85	65.33	1.48	1.15	5.54
and		72.74	75.29	2.55	1.57	4.26
and	BRX	223.86	225.69	1.83	1.61	12.7
and		236.92	248.51	11.59	1.71	6.44
including		236.92	238.23	1.31	13.05	17.65
KL-12-99	BRX	204.22	205.22	1.00	0.52	118
KL-12-100	Herc	208.55	209.55	1.00	0.45	61.4
and		247.04	248.04	1.00	1.31	29.3
KL-12-101	Dickson	44.37	45.60	1.23	2.37	34.4
KL-12-102	BRX	296.93	308.20	11.27	0.31	40.5
including		296.93	298.44	1.51	1.75	209

KL-12-103	AEX	19.28	20.28	1.00	1.16	35.7
and		26.07	29.90	3.83	1.21	49.0
including		28.38	29.90	1.52	1.90	111
KL-12-105	BRX	179.84	180.95	1.11	0.54	50.0
and		189.46	191.11	1.65	1.62	286
KL-12-106	BRX	227.99	228.99	1.00	1.01	59.3
and		250.36	251.36	1.00	3.42	116
KL-12-107	Western Klaza	111.49	112.49	1.00	4.64	191
and		121.73	122.73	1.00	1.18	3.42
and		204.80	206.08	1.28	2.13	4.94
KL-12-108	Dickson	73.71	77.09	3.38	3.09	78.6
KL-12-109	AEX	4.90	6.89	1.99	1.29	24.7
and	BRX	266.67	267.86	1.19	3.57	283
and		276.97	277.97	1.00	0.92	16.9
KL-12-110	Eastern Klaza	36.82	38.05	1.23	1.39	7.64
and		49.22	50.22	1.00	1.96	8.46
and		56.53	62.94	6.41	1.71	10.53
including		61.83	62.94	1.11	4.81	39.1
and		113.75	114.77	1.02	1.22	156
and		136.80	137.80	1.00	0.72	33.6
and		212.52	213.52	1.00	1.26	3.97
and		218.82	219.82	1.00	1.67	6.1
and		233.00	234.01	1.01	1.55	40.2
and		298.35	299.94	1.59	1.50	2.76
and		302.97	304.08	1.11	1.40	2.77
and		319.64	322.01	2.37	3.18	1.67
KL-12-112	BRX	262.34	263.11	0.77	1.74	167
and		266.09	267.09	1.00	1.08	19.8
KL-12-114	BRX	45.58	47.85	2.27	6.86	153

and		81.15	82.15	1.00	2.26	51.2
and	Pika	106.64	119.22	12.58	2.25	40.0
including		106.64	107.64	1.00	9.55	137
and including		117.70	119.22	1.52	11.30	233
and	Herc	183.51	185.85	2.34	1.32	8.4
KL-12-115	Western Klaza	180.42	181.53	1.11	1.60	1.08
and		214.47	221.59	7.12	4.51	332
including		214.47	215.50	1.03	2.98	1560
and including		219.48	221.59	2.11	13.75	357
KL-12-116	Eastern Klaza	115.75	116.75	1.00	0.53	53.6
and		211.09	212.09	1.00	2.56	2.31
and		226.79	227.92	1.13	2.15	8.35
and		229.24	230.62	1.38	0.98	19.6
and		273.35	274.35	1.00	0.98	12.9
and		297.74	298.79	1.05	3.81	6.6
and		323.81	325.22	1.41	0.70	34.9
and		368.50	369.51	1.01	1.76	11.65
and		396.00	397.00	1.00	1.22	0.59
KL-12-117	Chevron	108.81	109.81	1.00	1.73	38.0
KL-12-118	BRX	158.42	166.05	7.63	0.62	33.3
including		165.05	166.05	1.00	1.85	145
KL-12-120	Chevron	72.79	73.80	1.01	2.54	45.6
and		101.09	102.35	1.26	3.97	95.4
and		118.73	119.73	1.00	0.34	50.0
KL-12-121	Eastern Klaza	87.69	89.03	1.34	1.29	5.02
and		93.50	94.50	1.00	0.71	25.1
and		295.70	296.85	1.15	1.24	1.58
and		301.10	302.12	1.02	1.22	2.48
and		374.60	376.42	1.82	1.52	4.14
and		386.60	404.63	18.03	1.43	2.69
including		386.60	387.70	1.10	5.30	11.8

and including		393.79	396.09	2.30	3.88	4.38
KL-12-122	Western Klaza	35.45	37.20	1.75	0.48	82.5
and		160.20	161.50	1.30	0.70	40.1
and		207.07	208.07	1.00	2.42	37.0
and		235.45	238.35	2.90	1.44	15.83
including		235.45	237.16	1.71	2.09	20.3
and		301.20	302.25	1.05	15.90	333
KL-12-123	BRX	248.85	249.85	1.00	5.09	37.4
and		258.33	259.53	1.20	1.89	13.9
and		277.07	278.07	1.00	1.02	15.05
KL-12-124	Western Klaza	7.20	9.82	2.62	1.33	42.6
and		42.00	43.00	1.00	0.67	49.5
and		202.94	203.94	1.00	1.98	72.3
and		260.75	264.59	3.84	0.95	40.1
and		291.78	292.91	1.13	1.08	34.1
KL-12-125	BRX	202.93	203.98	1.05	3.94	18.2
and		225.17	228.69	3.52	1.83	17.81
including		225.17	226.51	1.34	2.69	29.9
and		236.83	237.83	1.00	1.56	18.55
and		252.07	257.00	4.93	2.86	20.2
including		252.07	253.44	1.37	5.75	8.05
and including		255.85	257.00	1.15	5.36	75.8
and		265.26	266.26	1.00	2.49	3.33
and		269.73	270.73	1.00	4.96	5.95
KL-12-126	BRX	65.30	68.95	3.65	1.31	43.9
including		65.30	66.40	1.10	1.62	116
and including		67.80	68.95	1.15	2.40	22.9
and	Pika	133.70	135.30	1.60	4.40	4.06
and		145.40	147.30	1.90	2.06	23.9
and		179.92	181.97	2.05	1.58	1.54
and		189.50	190.50	1.00	1.56	2.5

KL-12-127	Western Klaza	37.51	38.56	1.05	1.72	94.8
and		168.11	169.11	1.00	5.73	204
and		186.35	187.35	1.00	1.41	169
KL-12-128	BRX	160.74	162.15	1.41	1.15	10.85
and		163.80	164.80	1.00	0.80	23.6
and		171.48	174.15	2.67	1.08	0.96
KL-12-131	Western Klaza	168.80	172.30	3.50	1.28	14.69
including		168.80	169.90	1.10	2.75	1.05
and		243.09	246.50	3.41	1.28	135
including		243.09	245.25	2.16	1.25	207
and		291.50	292.50	1.00	0.55	46.0
KL-12-132	BRX	186.88	188.36	1.48	5.11	41.1
KL-12-133	Central Klaza	104.20	105.20	1.00	0.82	88.4
and		136.25	137.27	1.02	1.03	28.3
and		160.63	161.63	1.00	1.62	105
and		237.41	239.41	2.00	2.36	218
including		237.41	238.41	1.00	3.22	400
and		260.45	261.45	1.00	1.92	13.6
and		292.77	293.77	1.00	2.13	19.3
and		334.30	336.10	1.80	2.78	29.0
and		359.93	360.93	1.00	0.66	265
and		383.27	384.27	1.00	0.97	16.0
and		422.76	423.76	1.00	1.57	55.3
and		439.00	445.70	6.70	11.90	5.23
including		439.00	440.00	1.00	5.25	8.32
and including		442.70	445.70	3.00	24.50	3.39
KL-12-134	BRX	65.60	66.90	1.30	0.36	53.1
KL-12-135	BRX	433.51	436.15	2.64	3.66	112
including		434.70	436.15	1.45	5.87	197
KL-14-136	BRX	58.30	58.80	0.50	2.98	12.5

KL-14-137	secondary	24.42	27.41	2.99	1.92	29.8
and	BRX	110.87	112.28	1.41	10.60	32.2
including		111.40	111.71	0.31	38.90	107
and		125.15	128.10	2.95	26.90	181
including		125.15	126.46	1.31	56.40	318
KL-14-138	BRX	131.80	132.43	0.63	40.50	536
KL-14-139	secondary	98.05	98.81	0.76	1.98	13.0
KL-14-141	secondary	109.40	110.35	0.95	1.84	13.0
and	BRX	137.21	138.31	1.10	29.90	660
KL-14-142	BRX	155.13	157.52	2.39	6.38	83.8
including		157.16	157.52	0.36	39.00	498
KL-14-143	BRX	118.92	120.20	1.28	2.23	47.0
and		123.40	125.05	1.65	28.90	669
KL-14-144	BRX	102.27	104.67	2.40	10.25	259
including		102.92	103.76	0.84	26.80	705
and		108.34	112.10	3.76	10.99	21.0
including		111.09	112.10	1.01	29.30	36.8
KL-14-145	BRX	96.99	99.89	2.90	10.79	121
including		96.99	97.76	0.77	13.05	310
and including		99.59	99.89	0.30	67.40	320
KL-14-146	secondary	63.36	64.36	1.00	3.62	24.9
KL-14-147	BRX	145.81	150.40	4.59	7.36	225
including		145.81	147.70	1.89	15.95	123
and including		149.56	150.40	0.84	4.06	946
KL-14-148	BRX	190.95	194.97	4.02	1.35	10.5
and	secondary	210.20	210.47	0.27	4.31	148

KL-14-149	BRX	60.00	60.95	0.95	0.76	2.51
KL-14-149		67.68	71.35	3.67	1.39	4.58
KL-14-149		76.03	77.53	1.50	0.51	15.7
KL-14-149		84.94	87.55	2.61	0.92	12.6
KL-14-150	BRX	46.49	49.47	2.98	26.71	172
incl.		46.49	47.17	0.68	51.50	181
and incl.		48.31	49.47	1.16	38.20	333
and		57.92	58.43	0.51	1.64	36.7
KL-14-151	BRXb	142.95	144.20	1.25	1.50	77.8
and	BRX	183.95	187.16	3.21	22.43	245
and		183.95	188.18	4.23	17.37	193
incl.		183.95	184.75	0.80	31.00	310
and incl.		186.44	187.16	0.72	64.90	725
KL-14-152	BRXb	6.24	9.66	3.42	1.63	5.54
and	BRX	61.20	64.24	3.04	7.86	61.3
incl.		62.14	62.83	0.69	25.20	163
KL-14-153	BRXb	17.37	18.09	0.72	8.74	71.2
and	BRX	63.30	67.10	3.80	4.47	23.8
incl.		66.70	67.10	0.40	19.10	112
and		71.45	73.51	2.06	14.30	142
incl.		72.75	73.51	0.76	32.20	252
and		63.30	73.51	10.21	4.59	38.1
KL-14-154	BRX	46.70	49.27	2.57	26.39	163
incl.		46.70	47.70	1.00	66.20	403
and		60.05	60.38	0.33	2.74	7.04
KL-14-155	BRX	105.60	106.02	0.42	6.14	369
and		116.70	117.02	0.32	3.09	18.8
KL-14-156	BRXb	114.03	114.50	0.47	6.05	101
and	BRX	196.32	198.81	2.49	5.68	253
incl.		197.84	198.81	0.97	14.30	513

KL-14-157	BRX	69.59	71.33	1.74	9.65	240
incl.		69.59	70.24	0.65	18.55	334
and		79.52	79.93	0.41	1.58	777
KL-14-158	BRX	144.65	146.04	1.39	12.28	123
incl.		144.65	145.57	0.92	17.27	175
and		163.12	163.88	0.76	27.84	291
incl.		163.12	163.62	0.50	42.00	432
KL-14-159	PEARL	22.86	25.91	3.05	1.52	8.61
and		184.40	184.83	0.43	1.90	3.2
and		215.15	215.80	0.65	2.23	23.8
KL-14-160	BRX	74.20	76.14	1.94	2.15	88.4
KL-14-161	BRX	36.91	37.37	0.46	0.47	110
KL-14-162	Pearl	38.35	40.08	1.73	2.00	7.27
and		52.25	52.70	0.45	2.94	64.0
KL-14-163	BRX	170.63	171.14	0.51	4.06	75.5
KL-14-165	BRX	84.30	88.35	4.05	1.30	59.9
incl.		84.30	85.34	1.04	4.70	190
KL-14-166	Central Klaza	32.37	35.52	3.15	1.62	59.0
incl.		32.37	32.90	0.53	3.09	118
and		48.75	49.80	1.05	1.64	147
and		70.62	71.63	1.01	0.15	154
and		98.68	100.15	1.47	2.00	17.4
KL-14-167	BRX	142.17	145.24	3.07	0.31	121
incl.		142.17	142.56	0.39	2.02	619
and		150.74	152.60	1.86	1.24	107
incl.		150.74	151.33	0.59	3.27	304
KL-14-168	BRX	141.93	144.38	2.45	0.55	39.9

incl.		141.93	142.34	0.41	1.68	114
and		149.10	149.55	0.45	1.84	116
KL-14-169	Central Klaza	77.28	78.46	1.18	6.01	72.7
and		88.35	95.20	6.85	0.68	10.7
incl.		94.80	95.20	0.40	6.57	116
and		126.20	126.74	0.54	3.37	112
and		138.40	141.02	2.62	3.87	38.3
incl.		140.06	141.02	0.96	7.13	46.6
KL-14-170	BRX	184.03	185.67	1.64	1.21	271
incl.		184.96	185.41	0.45	2.49	664
KL-14-171	Central Klaza	76.78	81.19	4.41	3.58	160
incl.		76.78	77.40	0.62	22.90	1100
and		137.22	137.95	0.73	11.85	56.4
KL-14-172	BRXb	180.31	182.22	1.91	2.85	20.4
and	BRX	261.29	265.74	4.45	6.65	157
incl.		261.29	262.30	1.01	27.80	656
KL-14-173	Central Klaza	74.90	76.83	1.93	3.03	39.0
and		104.30	105.37	1.07	1.00	291
KL-14-174	Central Klaza	35.92	37.39	1.47	4.08	71.1
KL-14-175	Central Klaza	87.47	88.72	1.25	1.58	128
and		129.20	130.17	0.97	4.67	34.0
and		142.17	144.12	1.95	1.72	12.6
and		150.05	150.65	0.60	1.98	66.6
and		185.83	187.20	1.37	1.04	58.9
and		201.35	204.60	3.25	1.67	29.0
incl.		201.35	202.41	1.06	2.10	62.1
KL-14-176	Western Klaza	58.61	58.86	0.25	10.25	130

KL-14-177	BRX	279.39	281.80	2.41	8.71	38.2
incl.		281.14	281.80	0.66	26.80	101
KL-14-178	Western Klaza	95.86	97.64	1.78	14.19	353
including		95.86	96.82	0.96	25.30	637
KL-14-179	Western Klaza	111.85	112.69	0.84	3.20	149
KL-14-180	secondary	45.20	46.20	1.00	1.64	361
and	Western Klaza	249.55	250.61	1.06	20.60	93.8
KL-14-181	BRX	285.06	287.45	2.39	10.21	115
incl.		286.34	287.45	1.11	20.73	235
KL-14-182	Klaza	183.89	184.71	0.82	14.60	778
KL-14-183	BRXb	163.68	164.84	1.16	3.62	107
and	BRX	225.44	226.01	0.57	2.88	16.0
and		231.52	232.16	0.64	2.99	53.2
and		261.22	261.59	0.37	35.50	359
KL-14-184	Western Klaza	163.62	170.65	7.03	3.55	41.6
including		163.62	163.86	0.24	12.60	1130
and including		169.99	170.65	0.66	30.90	5.28
KL-14-185	secondary	49.30	50.30	1.00	0.66	314
and	Western Klaza	147.17	149.74	2.57	3.94	270
including		147.17	148.85	1.68	5.20	168
KL-14-186	BRX	219.02	221.20	2.18	10.23	298
incl.		219.02	219.76	0.74	3.79	593
and incl.		220.74	221.20	0.46	41.80	433
KL-14-187	secondary	39.82	40.96	1.14	3.13	8.85
and	Western Klaza	203.30	203.82	0.52	8.35	96.0
and		212.26	212.52	0.26	5.11	420

KL-14-188	BRX	211.25	213.05	1.80	2.08	3.81
and		215.28	218.75	3.47	9.86	220
incl.		217.28	218.75	1.47	21.50	323
KL-14-189	Western Klaza	133.45	136.36	2.91	4.35	159
including		133.45	134.39	0.94	5.80	250
KL-14-190	Western Klaza	121.08	122.21	1.13	2.84	25.3
and		140.19	140.55	0.36	6.59	107
KL-14-192	BRX	230.30	235.13	4.83	2.08	30.6
incl.		230.30	231.20	0.90	8.92	63.5
KL-14-193	Central Klaza	157.49	158.11	0.62	2.63	53.3
and		180.50	180.70	0.20	2.25	169
and		249.84	253.00	3.16	2.59	9.16
incl.		252.71	253.00	0.29	23.60	55.1
KL-14-194	BRX	63.23	63.95	0.72	6.05	318
and		72.40	73.65	1.25	2.84	185
incl.		72.75	73.65	0.90	3.84	241
KL-14-195	BRX	214.94	218.57	3.63	3.21	18.7
incl.		214.94	215.51	0.57	6.14	44.0
and incl.		218.23	218.57	0.34	13.30	68.1
KL-14-196	BRX	57.72	62.33	4.61	1.92	214
incl.		57.72	58.78	1.06	2.65	359
and incl.		59.26	60.05	0.79	4.87	457
KL-14-197	BRX	79.70	80.43	0.73	6.76	978
KL-14-198	BRX	69.28	70.53	1.25	3.56	102
incl.		70.26	70.53	0.27	14.90	412
and		79.68	80.75	1.07	7.74	156
incl.		79.68	80.30	0.62	13.20	266

KL-14-199	Central Klaza	104.18	104.66	0.48	2.29	116
and		114.20	114.69	0.49	2.65	85.0
and		193.30	193.82	0.52	3.87	111
and		284.56	285.09	0.53	31.80	481
and		339.30	342.28	2.98	2.56	33.7
incl.		339.30	340.25	0.95	6.23	82.0
and		360.12	362.57	2.45	11.13	65.9
incl.		360.12	360.37	0.25	37.70	111
and incl.		362.25	362.57	0.32	55.30	406
and		377.15	377.67	0.52	2.30	122
KL-14-200	BRX	60.28	62.43	2.15	1.04	63.1
incl.		60.28	60.58	0.30	2.70	99.9
KL-14-201	Western Klaza	47.05	47.91	0.86	1.90	32.5
KL-14-202	BRX	69.05	69.35	0.30	2.49	80.2
KL-14-203	BRX	67.72	68.38	0.66	1.89	102
KL-14-204	Western Klaza	33.22	33.71	0.49	0.59	62.2
KL-14-205	BRX	76.76	79.11	2.35	1.28	104
incl.		77.51	78.33	0.82	2.49	203
KL-14-206	Western Klaza	83.70	85.71	2.01	2.56	757
KL-14-207	BRX	71.72	80.08	8.36	0.91	80.0
incl.		71.72	72.43	0.71	3.20	121
and incl.		74.33	74.93	0.60	5.40	110
and incl.		78.38	78.78	0.40	1.92	683
and incl.		79.73	80.08	0.35	1.96	582
KL-14-208	secondary	70.12	71.50	1.38	2.62	2.82
and	Western Klaza	129.38	129.89	0.51	16.45	208

KL-14-209	BRX	63.37	63.83	0.46	3.03	52.3
KL-14-210	Central Klaza	87.74	88.04	0.30	0.84	234
and		278.15	279.50	1.35	5.70	19.6
and		285.28	286.20	0.92	8.52	232
and		303.68	305.75	2.07	2.33	18.3
incl.		303.68	304.17	0.49	8.10	46.9
and		348.65	349.97	1.32	5.65	466
incl.		349.65	349.97	0.32	16.60	1900
KL-14-211	BRX	85.79	86.09	0.30	3.23	25.0
KL-14-212	Western Klaza	75.96	76.12	0.16	14.20	872
and		89.84	90.21	0.37	2.14	244
KL-14-213	BRX	56.61	57.71	1.10	7.79	128
incl.		57.04	57.71	0.67	12.15	196
KL-14-214	secondary	25.61	26.24	0.63	1.64	145
and	Western Klaza	72.27	73.54	1.27	7.74	427
including		72.27	72.70	0.43	14.35	1160
KL-14-215	BRX	73.03	73.75	0.72	10.20	95.8
KL-14-216	Western Klaza	55.74	56.61	0.87	13.92	495
including		55.74	55.93	0.19	49.50	1320
KL-14-217	BRX	57.70	60.00	2.30	2.71	10.4
incl.		58.00	58.30	0.30	17.20	36.3
and		71.39	82.00	10.61	0.89	29.6
incl.		73.90	74.91	1.01	3.12	76.1
and incl.		78.44	79.92	1.48	1.90	82.6
KL-14-218	Western Klaza	45.46	49.99	4.53	4.46	176
including		45.46	46.24	0.78	15.25	789
and including		49.69	49.99	0.30	25.10	544

KL-14-220	BYG	6.00	7.08	1.08	0.13	90.5
and		12.35	13.30	0.95	1.64	43.5
and		34.13	35.75	1.62	0.97	18.8
and	Western Klaza	267.63	270.06	2.43	2.82	61.2
including		269.60	270.06	0.46	9.83	305
and		277.19	278.65	1.46	15.38	741
including		277.19	277.72	0.53	33.20	1625
KL-14-221	Western Klaza	95.28	97.44	2.16	2.18	37.9
including		97.14	97.44	0.30	5.04	227
KL-14-222	Central Klaza	206.40	207.07	0.67	3.46	40.3
and		223.17	223.52	0.35	3.98	124
and		275.43	276.90	1.47	5.15	179
and		410.57	412.05	1.48	8.33	201
KL-14-224	BYG	17.89	19.57	1.68	11.22	10.6
and	Western Klaza	251.50	254.53	3.03	0.59	24.5
incl.		251.50	252.07	0.57	1.72	104
KL-14-229	BRX	301.81	302.90	1.09	3.68	38.2
incl.		302.57	302.90	0.33	10.90	94.7
KL-14-231	unnamed	133.25	133.91	0.66	4.31	15.7
KL-14-232	unnamed	48.36	49.69	1.33	2.29	38.8
and	Herc	196.41	196.66	0.25	8.06	175
and		204.14	204.69	0.55	6.75	25.4
KL-14-234	Pearl	97.28	99.85	2.57	2.09	5.68
and		128.79	129.20	0.41	5.97	13.6
and		263.86	264.26	0.40	4.20	15.8
KL-14-235	BRX	236.47	236.90	0.43	12.25	60.3
KL-14-238	BRX	502.44	520.94	18.50	2.19	120
incl.		519.57	520.94	1.37	16.29	1435

KL-14-239	unnamed	239.22	240.26	1.04	3.68	20.9
KL-15-240	Eastern BRX	35.05	36.05	1	3.41	2.26
including		46.9	51.6	4.7	1.24	8.54
and including		47.58	48.18	0.6	6.85	14.1
and including		51.18	51.6	0.42	2.11	41.6
and		69.33	69.83	0.5	1.72	30.7
and	Pika	107.4	110.63	3.23	3.22	48.2
including		107.4	109.81	2.41	4.08	63.5
and including		109.21	109.81	0.6	10.95	115
and	Secondary	155.77	157.58	1.81	2.02	0.87
KL-15-241	HW Central Klaza	32.77	33.57	0.8	0.8	61.4
and		134.03	134.76	0.73	2.26	29.5
and		145.33	148.77	3.44	0.66	48.4
including		145.33	145.67	0.34	5.29	214
and		205.69	206.11	0.42	1.7	161
and		222.21	222.94	0.73	1.18	4.66
and		257.96	258.35	0.39	1.89	28.2
and	Central Klaza	279.04	281.2	2.16	4.09	273
including		280.02	281.2	1.18	7.01	492
KL-15-242	Eastern BRX	44.81	47.85	3.04	1.01	85
including		47.23	47.85	0.62	2.46	156
and	Secondary	81.93	82.44	0.51	0.68	168
and	Pika	166.25	168.91	2.66	3.56	30
including		168.41	168.91	0.5	7.57	50.4
and	Secondary	174.82	178.34	3.52	1.55	12.3
including		176.98	177.73	0.75	4.9	28.5
and		190.95	191.5	0.55	3.98	16.2
KL-15-243	HW Central Klaza	20.43	20.73	0.3	0.15	183
and		53.76	54.12	0.36	0.19	814
and		75.62	76.92	1.3	0.1	99.8
and		151.2	152	0.8	1.96	38.5
and		156.61	157.04	0.43	2.11	20.3
and		206.74	207.55	0.81	2.22	512

including		207.04	207.55	0.51	3.1	720
and		336.89	337.45	0.56	1.86	42.6
and	Central Klaza	382.79	384.18	1.39	8.05	272
including		383.44	384.18	0.74	11.2	495
and	FW Central Klaza	454.99	455.29	0.3	2.95	7.54
and		489.18	489.58	0.4	2.73	295
and		492.68	492.98	0.3	3.67	314
KL-15-244	Eastern BRX	71.02	71.96	0.94	3.11	91.2
and	Secondary	99.89	102.23	2.34	0.87	3.92
and	Pika	130.57	135.28	4.71	1.07	7.14
including		132.83	133.3	0.47	7.54	49.3
and		196.84	198.59	1.75	6.01	192
including		196.84	197.68	0.84	11.55	396
KL-15-245	Secondary	105.44	105.9	0.46	2.77	837
and		137.03	137.42	0.39	0.8	259
and	Eastern BRX	151.87	152.98	1.11	1.35	18.1
and		157.37	157.73	0.36	1.05	234
and		161.42	166.93	5.51	2.21	21.4
including		161.42	161.83	0.41	7.45	129
and including		166.42	166.93	0.51	14.85	101
and	Secondary	188.5	188.8	0.3	11.05	8.26
and		193.34	194.88	1.54	1.06	0.81
and		198.01	200.09	2.08	1.29	4.34
and	Pika	205	206.35	1.35	4.06	19
including		205	205.58	0.58	8.47	42.1
and		263.46	263.77	0.31	1.01	43
and		265.09	266.17	1.08	1.67	66.8
including		265.75	266.17	0.42	3.5	168
KL-15-247	Western Klaza HW	5.18	5.76	0.58	5.51	907
and	Western Klaza	267.63	274.4	6.77	0.92	6.35
including		273.13	274.4	1.27	2.86	23.3
and	Western Klaza FW	293.62	293.96	0.34	7.28	75.5
KL-15-248	Secondary	63.69	64.59	0.9	4.27	98.1

and		73.45	76.25	2.8	3.25	40.5
including		75.37	76.25	0.88	8.79	110
and	AEX	97.32	97.74	0.42	26.9	576
and	Secondary	121.8	123.21	1.41	3.33	38.6
including		121.8	122.15	0.35	12.8	45.4
and		148.44	149.25	0.81	1.3	4.52
and		159.93	160.63	0.7	1.61	34
and		165.76	167.18	1.42	1.07	12.2
and		201.83	202.87	1.04	2.15	10.8
and		209.13	209.84	0.71	2.66	21.7
and	Eastern BRX	214.65	216.65	2	4.45	15.3
including		216.35	216.65	0.3	14.1	62.7
and		228.82	234.5	5.68	1.65	6.44
including		228.82	230.3	1.48	1	10.9
and including		233.67	234.5	0.83	9.24	19.4
and	Pika	272.48	273.22	0.74	4.68	5.3
including		272.89	273.22	0.33	8.17	8.29
KL-15-249	Western Klaza	195.36	197.5	2.14	2.84	357
including		195.36	195.76	0.4	12.1	1890
and	Western Klaza FW	235.63	236.41	0.78	2.18	313
KL-15-250	Secondary	19.55	19.89	0.34	11.25	489
and	AEX	25.92	26.24	0.32	2.91	78
and	Secondary	53.95	55.04	1.09	1.89	34.6
including		54.74	55.04	0.3	5.59	99.7
and		112.07	115.03	2.96	1	10
including		112.07	112.53	0.46	2.15	14.2
and including		113.89	114.71	0.82	2.02	24.9
and	Eastern BRX	133.43	137.5	4.07	1.1	18.4
including	Eastern BRX	136.87	137.5	0.63	4.5	51.4
and	Secondary	168.27	168.78	0.51	1.82	6.74
and		186.45	186.82	0.37	5.99	27.7
and	Pika	218.66	219	0.34	1.6	6.89
and		220.8	222.01	1.21	1.16	8.36
and		225.54	227.97	2.43	1.58	5.2
KL-15-251	Western Klaza	2.53	3.58	1.05	1.25	63.3

	HW					
and		43.73	44.09	0.36	1.5	198
and	Western Klaza	211.79	213.35	1.56	3.62	102
including		211.79	212.09	0.3	12.55	524
and		214.9	215.34	0.44	1.34	2.29
and	Western Klaza FW	273.68	274	0.32	1.82	44.6
KL-15-252	AEX	113.53	113.87	0.34	1.37	10.3
and	Secondary	132.71	135.53	2.82	0.98	16
including		134.51	135.53	1.02	2.09	29.1
and		149.36	149.67	0.31	2.77	405
and		158.74	159.04	0.3	2.11	18.8
and		160.17	161.11	0.94	1.08	13.6
and	Eastern BRX	198	198.57	0.57	1.61	39.3
and	Eastern BRX	206.57	207.24	0.67	1.09	44.5
and	Pika	289.95	293.36	3.41	3.08	17.2
including		289.95	290.55	0.6	10.5	26.2
and including		292.96	293.36	0.4	10.4	104
KL-15-253	BYG	38.66	41.61	2.95	2.04	23.4
including		38.66	39.43	0.77	7.74	58.5
and	HW Western Klaza	72.66	74.59	1.93	1.72	27.3
and		221.57	223.05	1.48	2.56	40.5
and	Western Klaza	317.95	318.57	0.62	4.18	147
KL-15-254	HW Western BRX	227.5	227.96	0.46	1.08	45
and	Western BRX	287.23	288.42	1.19	6.67	143
including		287.23	288.12	0.89	8.16	174
and		293.91	296.01	2.1	3.57	83.9
including		295.53	296.01	0.48	13.4	325
KL-15-255	HW Central Klaza	89.29	89.59	0.3	5.85	54.1
and		132.29	132.59	0.3	1.22	11.4
and		163.59	163.89	0.3	2.78	153
and		179.09	179.39	0.3	4.12	49
and		197.88	198.18	0.3	0.25	177

and		204.63	204.93	0.3	1.85	10.9
and		263.24	263.58	0.34	0.56	85.4
and	Central Klaza	292.84	293.18	0.34	2.49	146
and		298.49	298.94	0.45	21.9	176
and	FW Central Klaza	357.44	358.4	0.96	6.9	302
KL-15-256	Western BRX	416.21	419.96	3.75	4.18	159
including		416.21	416.76	0.55	1.36	207
including		419	419.96	0.96	15.36	482
KL-15-257	HW Central Klaza	39.6	40.03	0.43	5.87	85
and		69.72	70.24	0.52	6.14	205
and	Central Klaza	93.15	94.08	0.93	0.67	80.7
and		101	110.47	9.47	1.25	22.4
including		101	102.07	1.07	5.64	81
and including		106.82	107.86	1.04	3.03	67.4
and		113.42	113.82	0.4	1.23	84.9
and		122.25	122.78	0.53	1.62	27.5
and		131.56	131.96	0.4	1.56	23
KL-15-258	Central Klaza	10.34	14.02	3.68	11.28	75.9
including		10.34	10.93	0.59	29.3	121
and including		11.58	11.95	0.37	16.35	50.8
and including		12.75	14.02	1.27	13.5	140
and	FW Central Klaza	43.93	45.91	1.98	5.05	68.7
KL-15-259	FW Central Klaza	51.38	52.34	0.96	5.99	165
KL-15-260	HW Western BRX	114.32	114.62	0.3	1.78	8.64
and	Western BRX	418.9	419.2	0.3	4.25	19.3
and		427.24	427.6	0.36	1.07	1.57
and		429.69	430.15	0.46	1.92	10.6
and		432.83	433.38	0.55	7.01	554
and		438.08	439.88	1.8	3.14	44.3

KL-15-261	Central Klaza	46.8	52.32	5.52	1.35	12.5
and	FW Central Klaza	108.01	112.29	4.28	3.41	19.2
including		109.42	111.5	2.08	5.2	24.7
and		151.41	151.73	0.32	3.01	422
and		156.37	157.05	0.68	5.53	45.9
KL-15-262	HW Central Klaza	25	25.93	0.93	6.16	65.2
including		25.4	25.93	0.53	9.81	105
and	Central Klaza	50.65	50.98	0.33	1.12	13.8
and	FW Central Klaza	67.53	67.84	0.31	2.28	12.2
and		105.14	105.81	0.67	9.84	14.6
and		144.87	145.18	0.31	31.6	100
and		175.42	175.81	0.39	0.57	510
and		198.53	198.83	0.3	1.64	16.4
and		200.47	200.77	0.3	3.06	15.2
KL-15-263	Secondary	105.53	105.86	0.33	6.13	69.9
KL-15-264	HW Western BRX	16.2	16.5	0.3	5.69	2.4
and		124.65	124.97	0.32	1.14	11.8
and	Western BRX	148.08	148.44	0.36	1.44	15
and		158.62	159.67	1.05	18.7	489
KL-15-265	BYG	38.68	41.63	2.95	5.51	141
including		38.68	39.11	0.43	13.95	546
including		40.18	40.86	0.68	8.46	212
and		46.68	48.39	1.71	2.07	107
including		46.98	47.62	0.64	4.44	264
and	HW Central Klaza	80.89	81.46	0.57	1.24	42.3
and		192.41	192.87	0.46	1.45	25.7
and		229.9	230.86	0.96	1.19	51.7
including		229.9	230.47	0.57	1.64	77.1
and	Central Klaza	289.87	290.21	0.34	14.55	981

and		297.31	297.91	0.6	2.67	21.5
and		300.58	301.73	1.15	4.93	102
including		300.58	301.1	0.52	9.86	212
and		325.22	326.08	0.86	4.61	18.6
and	FW Central Klaza	352.91	354.47	1.56	1.88	23.3
and		378.2	378.66	0.46	2.29	64
and		412.72	413.69	0.97	1.12	7.26
and		450.73	453.17	2.44	6.71	0.54
and		480.97	481.36	0.39	1.54	38.7
KL-15-266	Western BRX	155.57	156.23	0.66	5.35	111
KL-15-267	Central BRX	221.37	221.88	0.51	3.07	29.8
and		225.93	227.15	1.22	1	31.4
KL-15-268	Central BRX	108.93	109.33	0.4	1.94	172
and		118.68	119.32	0.64	4.3	355
KL-15-269	Central BRX	199	199.89	0.89	1.1	89.2
and		209.45	209.75	0.3	0.83	63.5
KL-15-270	Central Klaza	29.87	35.96	6.09	9.46	84.9
including		30.9	32.59	1.69	22.14	254
including		33.47	33.88	0.41	10.8	5.56
including		34.75	35.29	0.54	21.4	102
and	FW Central Klaza	38.9	39.28	0.38	1.38	1.76
and		47.96	48.27	0.31	12.3	75.6
and		71.73	72.77	1.04	11.29	120
including		72.04	72.45	0.41	20	285
and		122.79	124.72	1.93	1.28	16
and		125.59	126.51	0.92	3.84	39.1
KL-15-271	Western BRX	368.26	368.56	0.3	3.21	13.4
and		372.52	373.41	0.89	8.52	374
including		372.52	372.93	0.41	15.5	655
and		378.04	380.04	2	14.88	162
including		378.04	378.34	0.3	21.4	252
and including		379.39	380.04	0.65	34.9	369

and		383.8	384.23	0.43	0.7	17.2
KL-15-272	Central Klaza	94.01	94.64	0.63	1.01	6.11
and		97.48	102.84	5.36	1.89	10.9
including		97.48	98.59	1.11	5.09	14.9
and including		102.53	102.84	0.31	14.35	132
and		108.41	108.74	0.33	1.78	8.12
and		139.68	140.23	0.55	1.52	22.6
and	FW Central Klaza	192.14	192.44	0.3	7.28	173
and		220.46	220.76	0.3	2.79	40.6
and		224.06	224.36	0.3	5.76	341
and		243.23	244.26	1.03	10	25.5
KL-15-273	HW Central Klaza	18.16	18.49	0.33	2.03	139
and		39.06	42.83	3.77	1.35	17.7
including		42.44	42.83	0.39	11.2	135
and		68.19	68.6	0.41	1.48	16.8
and		77.93	78.23	0.3	1.62	145
and		82.18	82.51	0.33	2.27	51.3
and		107.74	108.04	0.3	4.2	73.3
and	Central Klaza	144.18	144.5	0.32	3.71	59
and		163.74	165.16	1.42	1.05	40.1
and		171.19	171.95	0.76	1.44	16.7
and		182.31	184	1.69	4.21	61.4
including		183.15	183.47	0.32	17.45	110
and		190.59	191.02	0.43	1.51	5.33
and		195.48	195.78	0.3	3.37	26.2
KL-15-274	Western BRX	367.65	368.91	1.26	9.97	471
including		368.47	368.91	0.44	12.75	727
and		371.96	372.44	0.48	8.15	107
KL-15-275	HW Central Klaza	83.58	84.01	0.43	1.74	64.3
and		152.06	152.38	0.32	7.31	240
and	Central Klaza	259.67	260.04	0.37	1.15	17.7
and		369.58	371.97	2.39	5.29	132
and	FW Central	424.33	424.68	0.35	4.13	510

	Klaza					
KL-15-276	Western BRX	423.39	424.01	0.62	9.6	173
including		423.39	423.7	0.31	18	318
KL-15-277	HW Central Klaza	27.51	27.81	0.3	0.99	104
and		112.1	112.41	0.31	3.83	201
and	Central Klaza	157.83	158.48	0.65	2.18	18
and		181.61	182.08	0.47	1.88	77.5
and		184.74	185.25	0.51	1.92	56.4
and		206.53	207.26	0.73	7.75	36
and	FW Central Klaza	233.42	235.49	2.07	1.65	5.49
and		242.98	243.5	0.52	5.59	77
KL-15-278	Western Klaza	225.91	226.34	0.43	2.69	14
and		239	240.86	1.86	9.12	90.5
including		239	239.39	0.39	29.9	370
and		247.1	247.4	0.3	6.21	2.53
and		248.78	249.87	1.09	1.04	2.45
and		253.18	255.26	2.08	1.26	57.4
KL-15-279	HW Western BRX	371.84	372.56	0.72	2.73	0.72
and	Western BRX	460.68	461.13	0.45	4.76	85
KL-15-280	Secondary	16.89	17.21	0.32	1.63	2.15
and	BYG	78.13	78.44	0.31	6.53	2.56
and		87	88.08	1.08	1.77	73.3
and		92.21	92.7	0.49	2.16	0.64
and		113.73	114.08	0.35	9.84	195
KL-15-281	BYG	7.49	7.84	0.35	1	102
and		45.49	45.73	0.24	2.77	139
and		62.19	62.75	0.56	0.27	110
KL-15-282	BYG	79.52	80.09	0.57	1.62	39.9
and		82.77	87.48	4.71	1.45	49.2
including		85.06	85.39	0.33	7.26	452

KL-15-283	BYG	93.04	95.77	2.73	2.26	14.4
including		95.28	95.77	0.49	9.76	43.7
and	HW Central Klaza	151.57	151.96	0.39	4	35.7
KL-15-284	BYG	63.53	63.84	0.31	1.95	48
KL-15-285	BYG	73.58	73.93	0.35	0.48	98
and		76.6	76.9	0.3	0.16	334
and		92.31	93.39	1.08	3.19	6.94
including		92.31	92.85	0.54	5.81	9.61
and		95.25	95.74	0.49	1.42	7.06
and		97.64	98.9	1.26	1.81	6.37
and		101.96	102.29	0.33	1.47	4.24
and	HW Central Klaza	122.53	124.05	1.52	1.34	19.8
KL-15-286	HW Western BRX	328.81	329.11	0.3	1.01	8.99
and	Western BRX	353.49	355.93	2.44	2.55	30.3
including		355.63	355.93	0.3	8.32	113
KL-15-287	BYG	48.53	49.35	0.82	0.88	83.1
and		78.99	79.44	0.45	1.14	82.4
and	HW Central Klaza	95.4	95.7	0.3	0.49	74.2
and		97.52	97.83	0.31	1.47	17.6
KL-15-288	HW Central Klaza	36.55	37.1	0.55	1.31	8.2
and	Central Klaza	66.68	71.14	4.46	2.12	153
including		66.68	66.99	0.31	10.15	870
and		69.14	69.82	0.68	6.04	575
and	FW Central Klaza	106.9	109.11	2.21	3.8	187
including		108.43	109.11	0.68	7.46	541
and		111.92	112.24	0.32	1.52	21.7
KL-15-291	HW Western BRX	330.29	331.77	1.48	4.88	4.85
and	Western BRX	381.71	386.14	4.43	5.89	75.6
including		381.71	382.44	0.73	31.48	135

and including		385.66	386.14	0.48	1.68	454
and		388.31	389.56	1.25	4.02	150
KL-16-295	Stroshein	60.23	60.82	0.59	23.00	43.00
KL-16-300	Stroshein	255.12	265.88	10.76	2.06	5.86
including		257.89	260.98	3.09	5.29	10.97
including		26.047	260.98	0.51	25.90	26.60
KL-16-302	AEX	100.30	100.96	0.66	12.95	62.60
and		109.17	109.80	0.63	7.07	34.90
KL-16-307	BYG	75.29	75.62	0.33	3.63	483
KL-16-310	HW Central Klaza	9.16	13.40	4.24	4.21	45.60
including		11.56	12.71	1.15	13.10	119
and	Central Klaza	50.56	52.35	1.78	2.85	26.80
including		51.85	52.35	0.50	8.60	41.30
KL-16-312	Central Klaza	55.15	57.68	2.53	3.01	72.50
including		55.15	55.97	0.82	6.40	151
and	Central Klaza	82.22	83.00	0.78	7.18	61.60
KL-16-314	Rex	32.61	34.00	1.39	5.90	1.74
and		39.75	41.17	1.42	10.55	44.70
and		57.00	58.48	1.48	7.74	23.90
KL-16-315	HW Central Klaza	9.88	11.00	1.12	7.64	94
and	FW Central Klaza	156.70	159.10	2.40	3.55	31.70
		158.40	159.10	0.70	11.50	91.60
KL-16-316	HW Central Klaza	8.80	14.79	5.99	1.68	23.10
including		8.80	9.46	0.66	8.65	76.70
and	FW Central Klaza	157.73	158.77	1.04	6.37	26.50
KL-16-317	HW Central Klaza	17.72	22.04	4.32	17.01	121
including		17.72	19.34	1.62	12.45	41.50
and including		20.65	22.04	1.39	38.00	325
KL-16-318	HW Central Klaza	16.68	24.77	8.09	3.48	88.40
including		17.75	18.59	0.84	10.35	196
and including		24.21	24.77	0.56	33.20	957
KL-16-323	Central Klaza	61.72	63.62	1.90	4.88	51.40

including		61.72	62.24	0.52	15.25	115
and	FW Central Klaza	186.46	189.22	2.76	5.98	40.90
including		186.46	186.88	0.42	18.90	197
and including		188.71	189.22	0.51	16.60	55.00
KL-16-325	FW Central Klaza	128.58	130.09	1.51	6.36	299
KL-16-327	Eastern Klaza	48.84	51.56	2.72	2.47	6.76
including		48.84	49.50	0.66	8.16	25.30
and		86.34	87.00	0.66	6.00	162
KL-16-329	Eastern Klaza	72.49	74.27	1.78	5.41	129
KL-16-336	Stroshein	109.89	110.45	0.56	3.23	248
KL-16-337	Central Klaza	92.00	96.40	4.40	4.01	36.00
and	FW Central Klaza	164.59	167.05	2.46	10.25	52.90
KL-16-338	Central Klaza	64.12	67.57	3.45	6.61	74.70
including		64.83	65.28	0.45	31.60	164
including		66.93	67.57	0.64	8.51	222

* Represents the sample length. True widths are estimated to be approximately 80-90% of the interval.

APPENDIX VII

BASELINE WATER QUALITY AND WEATHER DATA

ROCK HAVEN RESOURCES LTD KLAZA PROPERTY

2016 WEATHER DATA

Final Report

J. Gibson Env. Consulting *Whitehorse Yukon*

An Onset Hobo weather station was installed and launched June 22, 2013 at the Klaza Property. The weather station has operated continuously from June 2013 to January 2, 2016.

The weather station is located at the Klaza camp atop a rounded hill with no vegetation greater than 0.3 meters in height.

The station measures the following parameters with instruments mounted on a 3 meter mast:

1. Wind Speed
2. Wind Gusts
3. Wind Direction
4. Solar Radiation
5. Relative Humidity
6. Temperature (maximum, minimum)
7. Rainfall Precipitation

Data recovery for Solar Radiation and rainfall precipitation were affected by sensor problems.

The weather data is listed as:

Parameter	**Data Recovery (%)**
Wind Speed – Average Daily	100 %
Wind Gusts – Average Daily	100
Wind Direction – Average Daily	100
Solar Radiation – Mean Daily	28
Relative Humidity – Daily Mean	100
Temperature – Daily Maximum	100
Daily Mean	100
Daily Minimum	100
Rain Fall Precipitation – Daily Total	35

Snowfall precipitation data is available from the Yukon Government's Snow Bulletin for the Mount Nansen Snow Course. Data will be summarized in a later report.

Rock Haven Resources. Klaza Project. Daily Max Air Temperature (Degrees Celsius) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	-3.2	-11.0	-4.9	7.9	5.8	10.9	14.1	18.1	8.2	4.9	-7.1	-7.1
2	-3.5	-13.0	-2.9	3.2	6.7	10.4	12.3	18.6	6.6	-0.2	-1.6	-7.2
3	-5.6	-10.8	-5.1	2.7	4.8	11.8	14.6	14.0	10.6	0.2	-4.9	-21.5
4	-7.1	-7.4	-8.5	1.8	3.1	10.2	16.0	17.4	12.7	-0.8	-1.4	-24.9
5	-6.0	-6.1	-8.6	-0.8	4.7	6.9	16.7	16.5	10.3	-0.8	-2.8	-21.4
6	-7.1	-6.2	-7.8	2.8	5.7	6.8	12.1	18.3	6.8	-1.2	-6.2	-22.1
7	-6.0	-9.9	-7.5	-0.3	4.1	8.0	12.9	18.8	6.5	2.8	-5.0	-20.7
8	-6.3	-7.2	-8.9	3.6	8.8	11.9	17.8	15.2	6.9	1.2	-1.0	-20.3
9	-6.1	-5.7	-5.7	4.4	8.3	16.2	17.6	10.0	3.5	5.7	0.3	-23.8
10	-6.5	-5.7	-4.8	3.1	8.8	18.1	13.2	12.9	6.4	5.3	0.6	-19.0
11	-6.3	-2.1	-4.6	3.1	13.3	14.0	14.8	14.8	7.9	5.2	-1.6	-13.1
12	-4.8	-2.9	-2.1	2.7	15.9	10.5	15.7	14.2	11.8	3.7	-2.3	-9.3
13	-5.7	-3.1	-2.5	2.1	17.0	10.3	16.2	12.9	13.0	1.0	-3.2	-10.6
14	-7.6	-5.1	-0.5	1.4	17.5	5.8	20.3	12.7	8.3	-6.9	-5.0	-12.2
15	-8.8	-4.8	-5.8	4.0	16.1	11.8	18.1	12.7	8.7	-9.4	-5.1	-9.5
16	-9.7	-7.8	-5.1	3.2	12.4	15.6	17.9	14.4	9.0	-11.0	-10.7	-8.8
17	-8.8	-15.3	-4.2	0.5	8.9	19.3	17.3	15.4	8.4	-3.5	-11.4	-7.4
18	-9.5	-14.6	-5.7	0.1	8.7	20.6	14.1	7.9	7.1	-2.9	-13.3	-8.6
19	-9.0	-16.9	-5.9	3.7	12.2	19.5	11.0	11.9	4.4	-1.9	-14.6	-5.9
20	-6.5	-5.5	-1.6	5.2	12.9	10.8	10.7	11.7	8.9	0.2	-14.8	-6.4
21	-9.5	-3.4	0.1	4.8	17.2	12.1	9.7	14.9	7.2	-1.4	-10.9	-9.0
22	-7.2	-4.7	-1.9	2.7	8.7	16.4	10.3	14.5	7.3	-8.0	-6.4	-11.1
23	-6.6	-7.8	-2.2	8.2	12.0	15.4	7.6	15.6	7.7	-7.9	-10.9	-13.8
24	-6.7	-2.6	-3.3	10.0	8.3	16.0	11.4	14.7	5.2	-10.6	-11.7	-14.3
25	-5.2	-1.4	-1.0	4.3	7.2	16.6	13.9	14.0	6.1	-2.7	-12.2	-12.3
26	-3.6	-2.1	-1.1	5.8	6.8	14.0	13.5	11.7	2.7	-6.5	-7.6	-11.1
27	-3.0	-3.5	-1.8	4.2	8.1	14.2	13.6	11.2	0.4	-6.5	-5.4	-10.3
28	-3.5	-2.9	-0.5	2.8	10.0	17.3	15.4	8.5	2.5	-2.3	-10.1	-9.4
29	-2.9		1.3	4.5	8.8	17.1	13.8	6.8	0.9	-2.3	-9.5	-11.0
30	-6.4		4.8	1.7	6.7	12.3	16.7	6.8	0.9	-5.0	-10.5	-7.1
31	-5.4		4.2		11.2		17.9	10.0		-6.3		-8.6
Total	**-194.2**	**-189.6**	**-104.2**	**103.4**	**300.7**	**401.1**	**447.3**	**417.0**	**206.8**	**-67.5**	**-206.4**	**-397.8**
Mean	**-6.3**	**-6.8**	**-3.4**	**3.4**	**9.7**	**13.4**	**14.4**	**13.5**	**6.9**	**-2.2**	**-6.9**	**-12.8**
Max	**-2.9**	**-1.4**	**4.8**	**10.0**	**17.5**	**20.6**	**20.3**	**18.8**	**13.0**	**5.7**	**0.6**	**-5.9**
Min	**-9.7**	**-16.9**	**-8.9**	**-0.8**	**3.1**	**5.8**	**7.6**	**6.8**	**0.4**	**-11.0**	**-14.8**	**-24.9**

Rock Haven Resources. Klaza Project. Daily Mean Air Temperature (Degrees Celsius) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	-5.7	-12.4	-8.0	4.5	1.5	7.1	9.4	12.4	5.7	-1.1	-8.1	-9.2
2	-4.9	-14.2	-8.1	-0.1	2.0	5.9	8.4	13.2	4.0	-2.6	-5.6	-10.6
3	-7.6	-12.5	-10.7	-1.8	-0.2	5.7	8.9	10.6	6.5	-3.7	-6.2	-25.3
4	-9.2	-9.8	-10.0	-1.3	-0.8	6.0	10.2	12.6	7.5	-4.3	-4.3	-26.6
5	-8.4	-8.3	-9.0	-2.6	0.1	3.7	12.7	12.0	6.3	-4.0	-4.8	-23.3
6	-9.4	-9.2	-8.8	-1.2	0.7	2.9	9.2	13.5	4.6	-4.1	-7.9	-23.7
7	-8.0	-11.1	-9.9	-3.2	-0.1	3.3	9.0	13.1	3.8	-2.7	-6.6	-22.1
8	-7.9	-8.8	-8.3	0.4	3.9	6.8	10.8	10.4	3.6	-2.9	-3.2	-21.9
9	-7.8	-8.7	-7.5	-0.5	4.0	11.5	12.7	7.9	2.3	-0.5	-2.2	-26.0
10	-8.3	-9.0	-7.2	0.1	2.5	12.8	10.3	9.2	2.4	0.5	-1.0	-20.9
11	-7.7	-4.4	-6.3	-0.5	8.2	9.4	10.1	10.5	4.0	1.4	-3.2	-17.3
12	-5.9	-5.1	-5.7	-0.8	10.9	7.2	11.8	9.4	7.5	0.4	-4.0	-11.0
13	-7.5	-5.7	-6.5	-1.7	13.4	6.2	13.5	8.8	6.2	-3.5	-4.7	-12.6
14	-8.4	-7.0	-7.1	-1.4	13.5	4.9	15.2	8.4	4.2	-9.4	-6.2	-14.9
15	-10.6	-6.7	-7.0	-0.7	11.9	7.2	13.0	8.0	5.3	-11.3	-7.2	-13.2
16	-11.2	-11.4	-7.2	-1.7	6.7	11.2	13.2	7.8	5.2	-13.0	-12.3	-11.4
17	-12.2	-16.8	-8.3	-2.7	3.6	13.9	12.8	10.2	4.5	-7.9	-13.6	-9.3
18	-12.7	-17.8	-7.5	-3.1	3.9	15.2	10.7	5.9	2.6	-4.9	-14.4	-10.5
19	-11.4	-20.0	-5.3	-1.1	6.6	14.0	8.1	7.2	0.9	-4.2	-15.8	-8.1
20	-10.6	-11.1	-3.3	0.9	8.5	6.8	7.5	7.2	3.3	-3.1	-17.0	-7.8
21	-10.8	-6.0	-3.9	1.6	10.9	8.1	7.1	9.9	3.4	-4.6	-15.4	-10.4
22	-10.6	-6.6	-4.4	0.5	6.0	10.4	7.6	8.3	2.9	-11.9	-13.9	-15.3
23	-8.5	-9.0	-5.3	3.5	7.0	9.8	6.0	9.3	1.8	-13.3	-14.5	-19.6
24	-7.8	-5.6	-4.1	4.7	4.9	10.9	7.7	10.1	1.0	-13.5	-15.4	-16.0
25	-6.7	-4.0	-4.0	1.4	2.2	10.5	8.9	9.9	0.7	-9.1	-15.1	-13.2
26	-5.0	-4.1	-4.4	0.8	2.8	9.0	8.4	7.9	-0.8	-7.4	-9.7	-12.4
27	-5.8	-5.8	-3.4	0.0	3.6	9.5	9.0	7.4	-2.0	-7.3	-8.6	-12.6
28	-5.0	-5.0	-2.3	-1.4	5.3	11.4	10.0	4.8	-2.0	-5.5	-14.0	-10.8
29	-5.7	-5.8	1.0	-0.5	5.1	12.2	9.0	3.0	-2.4	-4.6	-11.8	-18.2
30	-8.2		1.3	-2.2	2.2	9.4	12.3	3.8	-3.2	-6.6	-16.7	-10.7
31	-10.4		4.9		6.2		11.9	5.9		-8.8		-10.8
Total	**-259.9**	**-262.2**	**-176.4**	**-10.0**	**157.0**	**262.8**	**315.4**	**278.5**	**89.8**	**-173.9**	**-283.4**	**-475.6**
Mean	**-8.4**	**-9.0**	**-5.7**	**-0.3**	**5.1**	**8.8**	**10.2**	**9.0**	**3.0**	**-5.6**	**-9.4**	**-15.3**
Max	**-4.9**	**-4.0**	**4.9**	**4.7**	**13.5**	**15.2**	**15.2**	**13.5**	**7.5**	**1.4**	**-1.0**	**-7.8**
Min	**-12.7**	**-20.0**	**-10.7**	**-3.2**	**-0.8**	**2.9**	**6.0**	**3.0**	**-3.2**	**-13.5**	**-17.0**	**-26.6**

Rock Haven Resources. Klaza Project. Daily Min Air Temperature (Degrees Celsius) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	-7.3	-14.1	-10.3	1.0	-3.1	3.7	4.7	6.8	3.1	-5.0	-9.7	-12.5
2	-6.6	-15.5	-10.5	-2.9	-1.5	1.2	5.8	10.2	2.8	-4.8	-7.9	-21.5
3	-9.5	-14.5	-14.6	-4.6	-5.0	1.0	4.0	7.3	3.9	-5.3	-7.6	-26.8
4	-10.9	-12.4	-11.3	-3.7	-2.9	1.8	4.4	7.7	3.1	-6.4	-5.7	-27.5
5	-10.1	-10.0	-10.2	-4.6	-4.6	0.3	9.2	9.2	3.1	-6.1	-8.8	-24.7
6	-11.3	-11.3	-10.1	-4.4	-2.9	0.7	6.7	9.5	2.2	-6.5	-9.4	-24.9
7	-10.0	-11.9	-10.6	-5.3	-3.1	0.7	6.2	8.7	2.2	-5.8	-8.9	-23.9
8	-9.7	-10.3	-11.1	-3.1	-0.9	1.7	6.3	6.8	1.9	-5.8	-4.8	-24.2
9	-9.6	-11.4	-10.2	-5.3	-0.2	6.2	9.4	6.3	0.9	-4.8	-4.1	-28.8
10	-10.4	-11.8	-9.9	-2.7	-1.4	7.4	8.4	5.7	-1.9	-3.7	-2.8	-24.8
11	-9.7	-6.2	-9.3	-2.2	3.1	4.7	7.9	7.3	0.1	-1.5	-5.2	-21.0
12	-7.1	-6.8	-8.3	-2.9	5.9	4.3	8.9	5.2	4.2	-2.7	-5.7	-13.5
13	-9.1	-7.4	-9.7	-3.1	9.8	2.8	10.8	4.9	1.2	-6.8	-5.5	-14.3
14	-9.2	-8.4	-8.2	-3.2	9.7	3.9	11.8	4.8	1.1	-10.6	-7.2	-17.3
15	-12.7	-8.3	-8.8	-5.0	8.3	3.4	10.3	4.8	1.2	-12.3	-11.6	-15.9
16	-12.5	-16.5	-9.6	-5.7	2.2	5.7	10.2	4.2	1.6	-13.8	-14.2	-13.6
17	-15.1	-18.0	-11.1	-5.8	-1.6	8.4	9.8	5.6	1.2	-13.2	-15.8	-12.0
18	-15.1	-20.0	-9.6	-6.1	0.2	10.6	8.0	4.8	0.4	-6.7	-16.1	-12.6
19	-13.3	-23.9	-8.1	-5.5	1.3	8.5	6.5	3.7	-1.9	-6.6	-17.7	-10.3
20	-12.7	-16.9	-7.1	-3.2	3.6	4.4	5.5	3.5	-0.5	-5.3	-18.0	-10.2
21	-11.7	-8.9	-6.7	-1.8	4.4	5.8	4.8	5.5	1.0	-7.9	-18.7	-11.8
22	-13.0	-8.5	-6.3	-1.0	4.5	5.4	6.6	3.5	-0.3	-14.4	-17.5	-23.3
23	-9.9	-11.0	-7.4	-1.2	3.6	5.5	4.6	4.4	-2.2	-15.7	-17.8	-24.5
24	-8.9	-8.4	-6.8	1.3	3.0	5.8	5.0	5.7	-2.0	-15.1	-20.5	-18.3
25	-8.1	-5.8	-6.7	-2.1	-0.8	5.3	4.5	6.9	-2.7	-13.1	-18.7	-15.1
26	-6.4	-5.7	-7.3	-3.5	-0.4	4.1	5.0	5.6	-2.6	-9.7	-12.1	-13.4
27	-8.7	-8.4	-5.6	-3.4	-0.7	4.0	4.4	4.8	-3.3	-7.9	-10.1	-14.0
28	-6.0	-6.6	-5.6	-5.6	2.1	5.4	6.1	3.2	-5.3	-10.0	-21.5	-11.6
29	-7.5	-7.1	-2.2	-4.8	0.2	6.9	5.2	0.8	-4.8	-6.1	-17.5	-21.2
30	-9.4		-0.8	-6.3	-1.0	7.2	8.4	1.0	-6.3	-8.5	-23.6	-14.8
31	-14.0		1.9		1.2		6.2	1.6		-11.6		-14.7
Total	**-315.6**	**-325.9**	**-252.3**	**-107.0**	**33.1**	**136.7**	**215.7**	**170.2**	**1.1**	**-253.5**	**-364.7**	**-562.9**
Mean	**-10.2**	**-11.2**	**-8.1**	**-3.6**	**1.1**	**4.6**	**7.0**	**5.5**	**0.0**	**-8.2**	**-12.2**	**-18.2**
Max	**-6.0**	**-5.7**	**1.9**	**1.3**	**9.8**	**10.6**	**11.8**	**10.2**	**4.2**	**-1.5**	**-2.8**	**-10.2**
Min	**-15.1**	**-23.9**	**-14.6**	**-6.3**	**-5.0**	**0.3**	**4.0**	**0.8**	**-6.3**	**-15.7**	**-23.6**	**-28.8**

Rock Haven Resources. Klaza Project. Mean Daily Solar Radiation (W/M^2) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1										116.1	7.0	9.4
2										67.0	16.7	4.2
3			Faulty Sensor							66.5	7.6	4.9
4										58.7	26.9	5.0
5										99.4	20.7	9.3
6										106.1	43.0	3.2
7										101.9	12.8	4.1
8										101.4	17.4	3.4
9										99.2	34.6	2.2
10										95.6	21.0	9.8
11										92.3	16.9	9.4
12										92.2	30.5	11.6
13										87.3	13.4	10.2
14										21.8	13.1	9.3
15										33.5	29.9	10.0
16										49.0	9.6	6.3
17										21.7	8.8	3.3
18										35.4	4.1	3.4
19									142.3	52.1	5.3	6.6
20									101.7	70.1	17.1	5.2
21									71.9	60.9	13.3	8.1
22									57.9	32.9	17.9	7.2
23									136.0	27.6	19.8	3.5
24									93.3	41.9	11.0	2.3
25									107.6	66.3	7.1	3.9
26									64.7	15.8	13.0	6.0
27									64.7	23.4	13.8	3.1
28									114.7	42.8	3.0	11.8
29									107.9	54.5	4.1	6.7
30									117.6	54.3	12.9	1.6
31										47.8		8.1
Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1180.3**	**1935.8**	**472.4**	**193.0**
Mean									**98.4**	**62.4**	**15.7**	**6.2**
Max	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**142.3**	**116.1**	**43.0**	**11.8**
Min	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**57.9**	**15.8**	**3.0**	**1.6**

Rock Haven Resources. Klaza Project. Daily Mean Relative Humidity (%) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	87.0	94.7	69.9	55.1	66.2	62.6	66.1	59.4	74.1	66.0	96.9	96.4
2	88.9	93.7	53.4	72.6	73.6	72.4	80.5	63.5	99.8	69.8	98.5	95.6
3	75.0	94.8	86.2	55.6	59.2	68.8	70.3	84.7	77.5	82.1	98.4	86.5
4	76.7	96.6	87.9	56.8	74.6	76.7	72.7	72.7	66.8	78.5	99.5	85.6
5	67.5	97.6	95.3	92.6	64.2	73.4	65.7	79.1	69.4	69.2	99.1	87.5
6	61.5	83.2	93.6	71.9	75.1	91.8	87.8	81.6	89.9	68.3	92.9	87.4
7	69.2	90.5	93.8	88.0	87.5	91.1	88.6	71.2	92.2	60.8	94.7	88.3
8	94.9	92.7	90.0	78.2	67.1	67.5	85.4	76.6	93.2	60.5	96.2	88.3
9	96.5	93.5	86.0	69.6	63.2	46.1	72.3	88.9	96.6	55.0	89.5	85.8
10	92.0	96.7	85.6	79.4	85.7	36.3	86.5	76.0	72.5	43.9	89.1	88.9
11	97.3	91.3	80.0	92.7	56.8	54.1	93.6	72.8	68.1	43.2	90.1	81.4
12	98.8	90.8	67.9	82.1	36.0	65.6	89.4	77.7	69.8	45.2	89.0	57.3
13	98.0	80.1	77.8	97.7	29.0	84.8	80.3	76.5	80.4	65.2	97.8	57.6
14	97.5	95.7	95.3	93.1	30.5	100.0	67.0	80.6	81.7	89.5	89.4	64.3
15	96.3	83.3	88.2	75.9	28.3	89.2	77.3	74.1	78.6	93.3	81.7	65.8
16	95.8	92.6	73.5	76.5	68.4	57.9	81.5	75.6	82.6	92.3	93.7	64.0
17	95.1	90.8	75.7	85.4	70.5	48.0	81.2	69.1	81.5	95.8	93.2	90.5
18	94.8	88.4	88.3	91.0	75.7	42.7	84.5	89.7	92.1	89.0	92.8	94.8
19	95.7	89.5	91.6	71.9	68.2	35.7	89.3	88.6	90.6	94.3	92.0	90.6
20	96.3	90.1	84.0	52.7	43.5	71.1	85.9	84.5	80.7	93.0	91.0	84.3
21	96.1	87.1	81.0	60.3	52.4	79.3	96.1	64.0	66.3	91.2	91.3	88.5
22	96.2	79.0	79.9	93.1	94.6	64.7	98.8	66.6	71.7	94.1	92.2	92.0
23	97.5	83.5	86.5	84.0	80.6	72.1	99.6	74.5	68.8	93.2	91.5	89.2
24	98.0	81.8	80.4	79.6	94.6	69.9	94.2	72.6	76.7	93.1	92.1	91.5
25	98.7	86.2	85.1	76.1	82.5	67.5	82.5	88.8	81.1	93.8	92.5	93.3
26	99.7	92.9	89.7	70.6	66.6	68.0	79.1	91.2	90.0	96.2	95.6	93.9
27	99.3	86.8	84.7	64.8	60.6	63.0	81.8	80.4	96.0	96.7	96.0	93.8
28	99.3	90.6	82.1	73.7	49.8	54.7	78.4	85.6	81.1	86.8	93.7	95.0
29	87.4	80.3	83.7	71.8	53.4	54.8	82.9	87.5	74.6	89.4	94.9	90.6
30	91.4		93.7	78.3	82.9	83.0	70.4	79.5	76.8	95.0	91.8	95.2
31	95.9		60.6		67.2		66.6	69.0		96.2		95.2
Total	**2834.5**	**2594.6**	**2571.4**	**2290.9**	**2008.6**	**2012.9**	**2536.2**	**2402.6**	**2421.2**	**2480.6**	**2797.0**	**2659.3**
Mean	**91.4**	**89.5**	**82.9**	**76.4**	**64.8**	**67.1**	**81.8**	**77.5**	**80.7**	**80.0**	**93.2**	**85.8**
Max	**99.7**	**97.6**	**95.3**	**97.7**	**94.6**	**100.0**	**99.6**	**91.2**	**99.8**	**96.7**	**99.5**	**96.4**
Min	**61.5**	**79.0**	**53.4**	**52.7**	**28.3**	**35.7**	**65.7**	**59.4**	**66.3**	**43.2**	**81.7**	**57.3**

Rock Haven Resources. Klaza Project. Rainfall Daily Total (mm) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
2	0.0	0.0	0.0	0.8	0.6					0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	1.0					0.0	0.0	0.0
5	0.0	0.0	0.0	0.2	0.0					0.0	0.0	0.0
6	0.0	0.0	0.0	0.8	0.0					0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.2					0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	1.4					0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	3.6					0.0	0.2	0.0
11	0.0	0.0	0.0	1.2	0.0					0.0	0.0	0.0
12	0.0	0.0	0.0	0.4	0.0					0.0	0.0	0.0
13	0.0	0.0	0.0	2.4	0.0					0.0	0.0	0.0
14	0.0	0.0	0.0	4.2						0.0	0.0	0.0
15	0.0	0.0	0.4	0.0						0.0	0.0	0.0
16	0.0	0.0	0.0	0.0						0.0	0.0	0.0
17	0.0	0.0	0.0	0.0						0.0	0.0	0.0
18	0.0	0.0	0.0	0.2						0.0	0.0	0.0
19	0.0	0.0	0.0	0.2					0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0					0.0	0.2	0.0	0.0
21	0.0	0.0	0.0	0.0					0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0					0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0					0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	1.4					0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.6					0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0					0.4	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0					0.2	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0					0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0					0.0	0.0	0.0	0.0
30	0.0		0.6	0.0					0.0	0.0	0.0	0.0
31	0.0		0.0							0.0		0.0
Total	**0.0**	**0.0**	**1.0**	**12.4**	**6.8**	**0.0**	**0.0**	**0.0**	**0.6**	**0.2**	**0.2**	**0.0**
Mean	**0.0**	**0.0**	**0.0**	**0.4**	**0.5**				**0.1**	**0.0**	**0.0**	**0.0**
Max	**0.0**	**0.0**	**0.6**	**4.2**	**3.6**	**0.0**	**0.0**	**0.0**	**0.4**	**0.2**	**0.2**	**0.0**
Min	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Rock Haven Resources. Klaza Project. Average Daily Wind Direction (degrees ^{0}) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	158.2	261.9	173.4	178.0	165.6	142.8	136.7	263.8	218.0	158.0	155.8	152.1
2	157.7	191.8	265.8	244.8	150.6	158.5	156.6	204.3	331.5	167.7	155.8	207.9
3	174.2	142.6	149.8	236.8	193.1	176.0	177.8	240.4	213.9	238.4	155.8	314.7
4	154.0	150.6	107.5	104.5	220.5	202.7	192.4	167.7	160.5	213.6	149.2	320.4
5	162.8	179.6	122.4	151.0	155.9	155.2	222.3	161.3	195.7	217.2	153.8	205.2
6	152.1	155.8	131.8	188.3	166.9	204.9	257.8	170.1	170.1	237.5	156.4	152.9
7	156.1	150.4	160.4	133.1	269.0	255.9	275.0	157.7	274.7	166.4	139.1	137.8
8	160.3	159.1	153.1	227.3	287.5	284.1	257.0	153.8	210.3	157.1	158.7	173.8
9	159.7	250.1	151.4	153.3	198.0	204.3	169.3	241.9	131.6	180.2	154.0	173.3
10	170.9	140.7	147.0	155.1	244.3	224.6	271.6	258.7	309.2	246.7	132.7	298.9
11	140.7	158.8	169.2	222.9	152.7	192.7	271.0	191.2	204.6	155.9	160.0	317.6
12	139.0	142.6	148.0	125.7	141.0	153.8	288.0	165.6	167.6	149.6	157.6	292.7
13	139.0	166.2	181.1	208.4	113.0	307.2	269.6	156.1	212.1	209.5	149.9	331.0
14	139.0	169.1	207.8	176.0	124.9	306.8	226.7	161.4	165.1	106.5	167.7	321.1
15	139.0	227.5	163.0	151.9	159.5	305.4	305.8	171.3	161.5	198.7	260.1	237.0
16	137.7	305.5	158.6	188.5	232.3	315.1	293.3	190.2	177.4	81.4	287.3	190.7
17	166.4	199.5	167.3	141.2	157.3	285.5	303.1	191.3	149.5	122.9	57.6	156.8
18	221.9	176.4	141.5	228.2	195.3	249.1	290.3	193.4	280.3	163.3	88.0	187.5
19	149.1	145.7	131.2	225.5	246.9	201.2	296.2	272.0	288.2	148.9	93.5	172.3
20	65.8	149.6	147.4	109.7	160.3	154.6	300.5	291.3	158.2	146.3	146.8	156.9
21	120.4	142.9	120.6	114.8	157.2	264.3	245.8	164.9	161.1	188.5	217.5	192.6
22	157.5	171.3	149.9	122.0	298.3	254.0	215.8	155.7	151.8	306.3	186.7	180.5
23	152.8	146.1	137.1	136.6	233.7	246.6	167.8	173.6	165.3	313.0	154.4	96.9
24	158.5	144.3	214.0	129.2	291.3	209.2	231.8	156.8	156.2	193.9	132.8	96.3
25	150.2	158.6	156.4	150.1	310.9	156.3	188.6	199.5	153.2	230.5	148.4	102.7
26	153.4	137.1	149.5	156.1	302.7	180.0	156.7	320.9	275.3	143.2	133.7	89.2
27	143.9	147.7	175.5	158.0	190.2	161.0	155.6	254.2	302.6	130.0	122.3	61.2
28	161.7	137.3	161.7	144.9	168.1	161.5	197.1	239.7	299.5	202.0	123.5	90.7
29	192.0	260.6	197.6	187.7	112.7	141.7	283.9	163.2	314.8	157.2	129.3	302.7
30	309.3		184.1	147.1	182.1	194.7	215.5	58.1	287.5	156.9	157.2	240.3
31	271.8		185.3		137.8		212.6	170.7		154.4		298.3
Mean	**161.8**	**174.8**	**161.6**	**166.6**	**197.4**	**215.0**	**233.3**	**195.5**	**214.9**	**182.8**	**152.9**	**201.7**
Max	**309.3**	**305.5**	**265.8**	**244.8**	**310.9**	**315.1**	**305.8**	**320.9**	**331.5**	**313.0**	**287.3**	**331.0**
Min	**65.8**	**137.1**	**107.5**	**104.5**	**112.7**	**141.7**	**136.7**	**58.1**	**131.6**	**81.4**	**57.6**	**61.2**

Rock Haven Resources. Klaza Project. Average Daily Wind Speed (metres/sec) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	6.3	0.0	1.4	6.6	7.9	3.4	3.7	1.6	1.7	3.9	0.0	0.1
2	10.2	0.0	1.0	2.3	9.3	4.8	3.2	1.7	3.5	1.8	0.0	2.1
3	4.9	4.4	3.4	1.9	2.3	3.4	2.3	1.2	0.9	2.2	0.0	4.5
4	6.7	4.3	7.4	4.7	2.2	2.8	1.1	1.9	2.8	1.1	0.8	2.8
5	3.5	1.7	5.9	4.5	5.7	4.9	1.9	1.0	2.0	1.9	1.7	2.1
6	5.6	2.1	2.9	3.2	9.4	4.1	1.7	2.1	3.2	1.9	3.9	2.5
7	4.7	5.7	3.5	8.3	6.7	3.3	1.3	4.7	4.9	0.8	7.1	2.9
8	2.0	4.4	4.1	4.9	5.0	2.7	2.3	2.6	1.8	3.7	6.0	0.4
9	2.8	1.2	4.1	5.5	2.3	2.6	1.9	4.4	4.1	2.0	6.9	0.0
10	2.7	2.6	5.0	7.0	3.0	2.3	1.6	2.2	5.9	3.0	11.0	0.0
11	1.7	5.9	6.1	2.6	3.1	4.4	1.9	3.0	3.7	3.4	8.4	1.9
12	0.0	8.8	3.0	1.9	2.6	2.6	2.1	5.9	6.8	3.6	5.4	1.2
13	0.0	3.7	2.7	0.9	2.4	4.0	0.8	6.8	3.8	1.8	5.7	3.1
14	0.0	2.4	2.2	2.0	3.9	5.9	1.8	7.1	2.4	2.7	4.9	3.0
15	0.0	1.3	1.7	5.4	3.8	5.4	2.8	6.2	4.8	2.4	2.4	1.3
16	0.0	4.2	3.2	4.1	3.1	3.7	3.1	1.6	3.9	2.4	1.0	2.0
17	0.0	2.0	2.8	4.1	6.7	2.8	3.4	1.6	1.5	4.8	0.0	5.7
18	0.0	1.5	3.9	5.2	2.2	2.5	3.3	4.3	1.7	1.9	0.0	4.3
19	0.0	4.9	7.2	3.0	1.4	4.8	4.8	2.4	1.1	4.0	0.0	6.6
20	0.0	5.5	6.5	4.4	5.0	2.5	4.4	1.9	5.1	2.1	0.0	8.6
21	2.1	10.8	4.3	5.5	5.4	3.4	2.5	3.3	9.7	3.0	0.0	2.5
22	0.0	5.1	4.4	6.6	4.2	3.0	1.0	4.1	11.6	6.1	0.0	0.8
23	0.0	6.6	6.0	4.8	2.4	2.7	1.7	3.6	2.7	1.3	0.0	0.0
24	0.0	10.9	2.1	2.5	3.2	1.8	2.6	3.1	5.6	2.6	0.5	0.0
25	2.6	6.0	6.4	7.0	6.6	3.6	2.3	3.2	2.7	2.0	0.0	0.0
26	2.4	7.2	4.4	7.0	6.2	4.8	4.2	7.2	2.3	7.3	0.0	0.0
27	8.5	6.9	4.1	6.6	3.7	4.0	5.6	3.7	1.4	5.6	0.0	0.0
28	7.8	8.4	6.5	6.4	2.5	2.9	4.9	3.2	2.6	1.0	0.0	0.0
29	2.2	2.3	5.5	5.1	3.5	2.9	4.2	4.2	6.7	4.0	0.1	0.0
30	3.3		3.6	8.3	1.6	2.5	1.1	3.8	2.2	4.5	0.0	3.1
31	0.5		2.6		1.5		2.9	2.2		2.4		9.5
Total	**80.4**	**130.5**	**128.0**	**142.2**	**128.9**	**104.5**	**82.5**	**105.8**	**112.8**	**91.5**	**65.8**	**71.2**
Mean	**2.6**	**4.5**	**4.1**	**4.7**	**4.2**	**3.5**	**2.7**	**3.4**	**3.8**	**3.0**	**2.2**	**2.3**
Max	**10.2**	**10.9**	**7.4**	**8.3**	**9.4**	**5.9**	**5.6**	**7.2**	**11.6**	**7.3**	**11.0**	**9.5**
Min	**0.0**	**0.0**	**1.0**	**0.9**	**1.4**	**1.8**	**0.8**	**1.0**	**0.9**	**0.8**	**0.0**	**0.0**

Rock Haven Resources. Klaza Project. Wind Gust (metres/sec) 2016.

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	16.6	0.3	4.3	18.6	17.1	12.6	11.8	6.8	7.3	8.8	2.5	2.0
2	21.9	0.5	3.0	7.8	22.4	12.3	9.1	7.8	9.1	4.8	0.0	9.8
3	15.9	17.1	11.8	5.5	8.8	12.6	8.6	5.0	6.6	5.8	0.0	8.6
4	12.1	9.1	12.8	11.3	8.3	9.3	8.6	7.3	7.6	4.8	8.6	4.8
5	8.8	6.0	11.6	10.6	17.9	14.6	9.1	6.0	6.6	5.5	7.1	6.3
6	10.8	6.0	7.6	9.3	19.9	11.8	8.1	7.6	9.1	6.3	9.1	6.6
7	8.8	17.4	8.1	18.1	13.9	9.6	6.0	13.1	11.8	4.5	18.4	6.0
8	5.3	11.1	7.6	13.4	13.1	8.1	10.1	8.8	7.6	8.3	13.6	4.5
9	8.3	4.8	8.1	10.1	9.1	10.3	8.6	14.6	11.6	5.3	12.6	0.8
10	11.1	6.6	11.3	14.1	9.3	9.8	6.8	8.6	12.3	6.3	23.4	0.8
11	7.3	17.6	12.6	10.6	10.6	13.6	9.6	10.1	10.1	6.8	17.6	5.8
12	0.5	16.6	8.6	8.1	8.8	9.3	7.1	13.1	13.1	9.8	12.3	3.5
13	0.5	12.8	9.6	6.3	9.3	11.8	6.8	15.4	12.3	6.8	13.1	5.8
14	0.0	5.8	5.8	8.8	11.8	10.8	13.6	16.4	8.6	7.3	11.8	7.3
15	0.0	4.5	4.8	13.1	12.1	11.3	10.1	14.9	12.8	5.0	7.3	5.8
16	1.0	9.8	6.6	10.1	10.6	10.3	8.6	9.6	12.1	7.6	7.6	5.5
17	0.0	7.3	7.3	10.1	13.4	17.1	8.3	7.3	6.3	14.4	1.3	10.1
18	0.8	5.3	10.1	13.9	8.3	8.1	9.6	9.8	10.1	6.3	0.5	12.8
19	0.3	10.1	16.1	11.6	6.3	12.1	9.8	8.8	5.8	8.8	0.3	14.9
20	0.0	13.1	12.6	12.8	14.1	8.3	11.8	10.6	9.8	7.1	0.3	18.9
21	9.6	21.2	10.3	13.4	13.9	11.1	9.1	12.1	20.4	7.3	0.0	7.8
22	2.0	15.9	10.8	12.8	9.8	10.1	4.5	11.3	22.7	10.3	0.3	3.8
23	0.8	18.1	13.6	10.1	9.8	11.3	6.8	10.8	8.6	5.3	0.0	0.3
24	0.5	18.6	7.8	9.1	10.6	8.6	9.3	8.6	12.6	5.3	6.8	0.3
25	10.3	19.1	15.1	16.1	14.1	9.6	9.1	9.8	8.1	9.8	0.5	1.0
26	8.8	17.1	10.1	16.9	15.6	12.3	11.3	17.6	8.6	13.4	0.5	1.0
27	19.9	15.1	12.1	14.9	10.3	10.6	15.1	11.1	4.5	10.3	0.0	0.0
28	14.6	18.4	12.6	15.9	10.6	9.3	12.1	12.6	8.1	6.8	0.0	0.0
29	8.3	7.3	13.4	13.1	11.6	8.6	12.3	12.1	15.1	7.6	2.0	0.8
30	6.3		11.1	18.4	7.8	10.3	6.6	9.6	7.1	7.6	0.0	18.6
31	3.5		8.3		8.3		9.6	9.1		6.0		18.4
Total	**214.5**	**332.6**	**305.2**	**364.6**	**367.4**	**325.6**	**287.6**	**326.1**	**306.0**	**229.9**	**177.3**	**192.4**
Mean	**6.9**	**11.5**	**9.8**	**12.2**	**11.9**	**10.9**	**9.3**	**10.5**	**10.2**	**7.4**	**5.9**	**6.2**
Max	**21.9**	**21.2**	**16.1**	**18.6**	**22.4**	**17.1**	**15.1**	**17.6**	**22.7**	**14.4**	**23.4**	**18.9**
Min	**0.0**	**0.3**	**3.0**	**5.5**	**6.3**	**8.1**	**4.5**	**5.0**	**4.5**	**4.5**	**0.0**	**0.0**

Rock Haven Resources Ltd.

Klaza Property

Baseline Water Quality / Hydrology Survey

January, 2016

J.Gibson Env. Consulting ***Whitehorse, Yukon***

Klaza Property January 2016

Rock Haven Resources Ltd. requested a baseline water quality / hydrology survey be conducted on the surface waters draining the area of the KLAZA Claims.

The KLAZA Claims are located on tributaries to the Nansen Creek and the Klaza River approx. 75 kilometers east of Carmacks.

All surface waters are tributaries to the Klaza River and the Yukon River.

All sites were accessed by helicopter on January 2, 2016.

The baseline survey consisted of water quality samples for routine chemistry, total metals, dissolved metals, total organic carbon and total cyanide with field measurements for pH, water temperature and flow volumes.

Groundwater monitoring wells developed in November 2015 were located, accessible data loggers downloaded and standing water levels obtained. No samples were taken of groundwater wells this survey.
,
The ONSET / HOBO weather station was downloaded January 2, 2016.

Sample Locations

Ten potential water quality sample sites were identified for the KLAZA Claims in March 2012.
An additional site was added in July, 2014; Station KZ-11 is located at the effluent discharge point of the "China Creek' placer operation prior to entering the Klaza River.

Groundwater Monitoring wells developed in 2015 are also listed.

Surface water sites are on the attached location map.

The Mt Nansen and upper Klaza River are historic placer mining areas.

Main stem Nansen Creek and tributaries as well as Klaza River tributaries have been equipment mined over the past 3 decades.

An abandoned hard rock gold mine is located approximately 5 kilometers to the east of the Klaza Property.

In January 2016 placer operators on EF Nansen and China Creek were not in operation.

Rock Haven Resources Ltd.

Klaza Property

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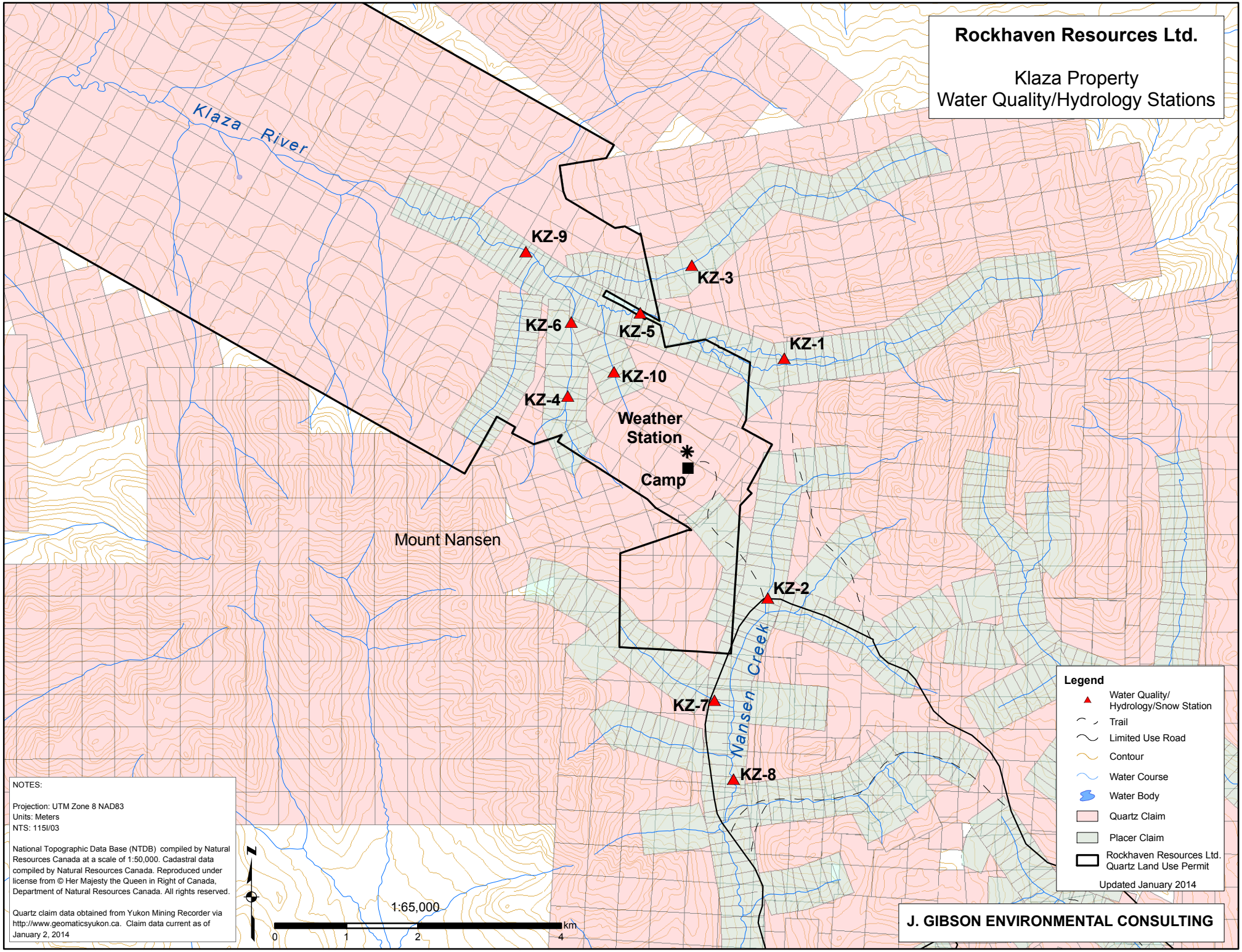
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Rockhaven Resources Ltd.
Klaza Property
Water Quality/Hydrology Stations
Klaza River
KZ-9
KZ-3
KZ-6
KZ-5
KZ-1
KZ-10
KZ-4
Weather Station
Camp
Mount Nansen
KZ-2
Nansen Creek
KZ-7
KZ-8
Legend
Water Quality/ Hydrology/Snow Station
Trail
Limited Use Road
Contour
Water Course
Water Body
Quartz Claim
Placer Claim
Rockhaven Resources Ltd. Quartz Land Use Permit
Updated January 2014
NOTES:
Projection: UTM Zone 8 NAD83
Units: Meters
NTS: 115I/03
National Topographic Data Base (NTDB) compiled by Natural Resources Canada at a scale of 1:50,000. Cadastral data compiled by Natural Resources Canada. Reproduced under license from © Her Majesty the Queen in Right of Canada, Department of Natural Resources Canada. All rights reserved.
Quartz claim data obtained from Yukon Mining Recorder via http://www.geomaticsyukon.ca. Claim data current as of January 2, 2014
N
1:65,000
0
1
2
km
4
J. GIBSON ENVIRONMENTAL CONSULTING

KLAZA Claim sample station designations and coordinates are:

Station #	LAT/LONG Coordinates	
Surface Waters		
KLAZA-1	62.132	137.216
KLAZA-2	62.101	137.218
KLAZA-3	62.143	137.242
KLAZA-4	62.126	137.274
KLAZA-5	62.137	137.255
KLAZA-6	62.135	137.273
KLAZA-7	62.088	137.232
KLAZA-8	62.079	137.226
KLAZA-9	62.144	137.286
KLAZA-10	62.129	137.261
KLAZA -11	no data	
Groundwater Monitoring Wells		
MW15-01	383413 E	6888610 N
MW15-02	383355 E	6890004 N
MW15-03	383056 E	6890592 N
MW15-04	382484 E	6891020 N
MW15-05	381552 E	6890347 N
Thermistor String Well		
GTC15-01	382824 E	6890304 N

Sample Parameters

All stations with surface water flow were sampled for total metals, dissolved metals, routine chemistry, total organic carbon, total cyanide and total mercury.

Dissolved metals samples were filtered onsite using disposable 60 ml syringes and 0.45 micron filters. New syringes and filters were used for each station.

Total and dissolved metal samples were preserved with nitric acid immediately after sampling.

Total Organic Carbon samples were preserved with HCL immediately after sampling.

Total cyanide samples were preserved with sodium hydroxide immediately after sampling.

There were no Quality Control samples taken this survey.

Ground water monitoring wells were not sampled. Wells were located, standing water levels were measured and data loggers were downloaded at MW15-01. Well MW15-05 had a logger installed but was frozen in and could not be downloaded.

Thermistor string measurements were taken at GTC15-01.

All samples were stored in coolers, kept at 4 Celsius and shipped by air cargo to the Exova Canada Inc. laboratory in Surrey B.C. for analysis within recommended holding times.

Field measurements for pH and conductivity were taken with an Oakton PCS TestR 35, water temperatures with a digital thermometer.

Stream flow volumes were measured with a Price Velocity meter and cross sectional area.

Analysis Results

Laboratory analysis and field measurement results are listed in the following tables:

Table 1. KLAZA Stations Routine Chemistry – laboratory analysis and field Measurements. January 2016.

Table 2. KLAZA Stations Total Metals ICP–MS laboratory analysis results. January 2016.

Table 3. KLAZA Stations Dissolved Metals ICP–MS laboratory analysis results. January 2016.

Table 4. Flow Volume Measurement Summary 2012 – 2016

Table 5. Ground water well standing water levels. January 2016.

Table 6. Thermistor String Measurements. January 2016

Table 1. RockHaven Resources - Klaza Property. Routine Chemistry / Field Measurements January 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines*
pH (field)	ru													
pH (lab)	ru	Dry	Dry	7.05	Glacial	6.6	Dry	Glacial	7.14	7.01	Dry	Dry	*6.5-8.5*	*6.5-9*
Conductivity (lab)	us/cm			117	Ice	63		Ice	375	103				
Water Temp	C			0.0		0.0			0.0	0.1				
Flow Volume	cms			0.0292		0.0035			nr	0.0868				
Organic Carbon Total	mg/L			1.7		1.2			3.4	1.6				
Cyanide Total	mg/L			<0.002		<0.002			<0.002	<0.002			*0.2*	*0.005*
Phosphorus Total	mg/L			0.1		0.006			0.006	0.009				
Ammonia - N	mg/L			0.01		<0.01			<0.01	0.01				*1.37-2.2*
Nitrate - N	mg/L			0.35		0.27			0.2	0.18			*10*	
Nitrite - N	mg/L			0.14		0.11			0.13	0.12			*1*	*0.06*
T-Alkalinity	mg/L			59		31			111	55				
Chloride	mg/L			0.17		0.16			0.36	0.54			*<250*	
Sulfate (SO4)	mg/L			4.43		3.04			114	3.75				
Hardness as CaC03	mg/L			59		31			218	56			*<500*	
T.Suspended Solids	mg/L			16		<5			<5	<5				
T.Dissolved Solids	mg/L			40		14			214	66			*500*	

All results and limits in mg/L unless otherwise noted

DWQ* Guidelines are Maximum Acceptable Concentration according to Canadian Drinking Water Quality

Aquatic Guidelines for Protection of aquatic life in waters with pH>6.5 and hardness as CaC03>180 mg/L**

indicates concentration equal or exceeds Guidelines

Table 2. RockHaven Resources Klaza Property - Total Metals Analysis Results January 2016.

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines*
Calcium	mg/L			16.5		8.07			60	14.3				
Iron	mg/L	Dry	Dry	0.328	Glacial	0.011	Dry	Glacial	0.062	0.042	Dry	Dry	*0.3*	*0.3*
Magnesium	mg/L			4.82	Ice	2.39		Ice	13.9	4.59				
Manganese	mg/L			0.033		<0.001			0.024	0.024			*0.05*	
Potassium	mg/L			0.51		0.4			1.06	0.5				
Silicon	mg/L			6.38		4.7			7.27	6.17				
Sulfur	mg/L			1.7		1.2			35.8	1.4				
Sodium	mg/L			2.88		1.84			5.84	2.44			*<200*	
Titanium	mg/L			0.005		0.0015			0.01	0.0027				
Aluminum	mg/L			0.086		0.005			0.04	0.019				
Antimony	mg/L			<0.0002		<0.0002			0.0002	<0.0002			*0.006*	
Arsenic	mg/L			<0.0002		<0.0002			0.0011	<0.0002			*0.01*	
Barium	mg/L			0.055		0.025			0.056	0.043				
Beryllium	mg/L			<0.00005		<0.00005			<0.00005	<0.00005				
Bismuth	mg/L			<0.0010		<0.0010			<0.0010	<0.0010				
Boron	mg/L			<0.004		<0.004			<0.004	<0.004			*5*	
Cadmium	mg/L			0.00003		0.00002			0.00005	0.00002			*0.005*	*0.0018*
Chromium	mg/L			<0.0004		<0.0004			<0.0004	<0.0004			*0.05*	*0.002*
Cobalt	mg/L			0.00014		<0.00002			0.00003	0.00005				
Copper	mg/L			<0.001		<0.001			0.002	<0.001			*1*	*0.004*
Lead	mg/L			<0.0001		<0.0001			0.0001	<0.0001			*0.01*	*0.007*
Lithium	mg/L			<0.001		<0.001			0.002	<0.001				
Mercury	mg/L			<0.00001		<0.00001			<0.00001	<0.00001			*0.001*	*0.1*
Molybdenum	mg/L			0.00029		<0.00010			0.00109	0.00018				
Nickel	mg/L			<0.001		<0.001			<0.001	<0.001				*0.15*
Selenium	mg/L			<0.0006		<0.0006			<0.0006	<0.0006			*0.01*	*0.001*
Silver	mg/L			<0.00001		<0.00001			<0.00001	<0.00001				*0.0001*
Strontium	mg/L			0.138		0.069			0.494	0.128				
Thallium	mg/L			<0.00001		<0.00001			<0.00001	<0.00001				
Tin	mg/L			<0.0001		<0.0001			<0.0001	<0.0001				
Uranium	mg/L			0.001		<0.0004			0.0022	<0.0004			*0.02*	
Vanadium	mg/L			0.00064		0.00023			0.00023	0.00023				
Zinc	mg/L			<0.001		<0.001			<0.001	<0.001			*<5*	*0.03*
Zirconium	mg/L			<0.0001		<0.0001			0.0001	<0.0001				

indicates concentration equal or exceeds Guidelines

Table 3. RockHaven Resources - Klaza Property Dissolved Metals Analysis Results January 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11
Calcium	mg/L			15.7		8.24			62.3	14.3		
Iron	mg/L	Dry	Dry	0.008	Glacial	<0.005	Dry	Glacial	0.009	0.009	Dry	Dry
Magnesium	mg/L			4.84	Ice	2.59		Ice	15.2	4.85		
Manganese	mg/L			0.003		<0.001			0.028	0.026		
Potassium	mg/L			0.5		0.4			1.1	0.5		
Silicon	mg/L			6.25		4.91			7.73	6.35		
Sodium	mg/L			2.7		1.8			6.3	2.5		
Sulfur	mg/L			1.7		1.2			38.4	1.5		
Aluminum	mg/L			0.012		<0.005			<0.005	<0.005		
Antimony	mg/L			<0.0002		<0.0002			0.0003	<0.0002		
Arsenic	mg/L			<0.0002		<0.0002			0.001	<0.0002		
Barium	mg/L			0.052		0.026			0.056	0.044		
Beryllium	mg/L			<0.00004		<0.00004			<0.00004	<0.00004		
Bismuth	mg/L			<0.0010		<0.0010			<0.0010	<0.0010		
Boron	mg/L			<0.004		<0.004			<0.004	<0.004		
Cadmium	mg/L			<0.00001		0.00002			0.00004	0.00002		
Chromium	mg/L			<0.0004		<0.0004			<0.0004	<0.0004		
Cobalt	mg/L			<0.00002		<0.00002			0.00003	0.00006		
Copper	mg/L			<0.001		<0.001			0.002	<0.001		
Lead	mg/L			<0.0001		<0.0001			<0.0001	<0.0001		
Lithium	mg/L			<0.001		<0.001			0.001	<0.001		
Molybdenum	mg/L			0.00032		0.0001			0.00108	0.00022		
Nickel	mg/L			<0.001		<0.001			<0.001	<0.001		
Selenium	mg/L			<0.0006		<0.0006			<0.0006	<0.0006		
Silver	mg/L			<0.00001		<0.00001			<0.00001	<0.00001		
Strontium	mg/L			0.14		0.071			0.511	0.134		
Titanium	mg/L			<0.010		<0.010			<0.010	<0.010		
Tellurium	mg/L			<0.0001		<0.0001			<0.0001	<0.0001		
Thallium	mg/L			<0.00001		<0.00001			<0.00001	<0.00001		
Thorium	mg/L			<0.0004		<0.0004			<0.0004	<0.0004		
Tin	mg/L			<0.0001		<0.0001			<0.0001	<0.0001		
Uranium	mg/L			0.0007		<0.0004			0.0022	<0.0004		
Vanadium	mg/L			0.00024		0.0002			0.00016	0.00019		
Zinc	mg/L			<0.001		<0.001			<0.001	<0.001		
Zirconium	mg/L			<0.00010		<0.00010			<0.00010	<0.00010		

Table 4. Klaza Project - Flow Volume Measurement Summary 2012-2016

Station	Date													
	Jun-12	Jul-12	Sep-12	Apr-13	Jun-13	Oct-13	Jan-14	Apr-14	Jul-14	Oct-14	Feb-15	May-15	Aug-15	Jan-16
KZ#1	0.249	0.262	0.085	Dry	0.1308	0.0248	Dry	Dry	0.0466	0.0232	Dry	nr	0.2706	Dry
KZ#2	0.073	0.091	0.039	nr	0.0079	nr	Dry	Dry	<0.001	Dry	Dry	nr	0.0093	Dry
KZ#3	0.243	0.084	0.073	nr	0.0142	nr	0.007	0.005	0.0077	0.0246	0.003*	nr	0.1005	0.0292
KZ#4	0.170	0.250	0.084	Dry	0.0352	nr	nr	nr	0.0041	0.0372	nr	nr	0.0958	Glacial Ice
KZ#5	0.328	0.494	0.150	nr	0.0957	nr	0.003	nr	0.0262	0.0316	0.002*	nr	0.2213	0.0035
KZ#6	0.209	0.308	0.075	Dry	0.0471	0.06	Dry	Dry	<0.001	0.0367	Dry	nr	nr	Dry
KZ#7	0.233	0.179	0.065	nr	0.0723	0.0423	nr	nr	0.0158	0.01*	Glaciated	nr	0.1391	Glacial Ice
KZ#8	0.423	0.437	0.247	nr	0.1600	0.0764	nr	0.07	nr	0.015*	nr	nr	0.1844	nr
KZ#9	1.848	1.146	0.428	0.0206	0.2528	0.2365	0.0765	0.0335	0.0849	0.1684	0.064	nr	0.4566	0.0868
KZ#10	0.029	0.009	0.011	Dry	Dry	<0.001	nr	Dry	Dry	Dry	Dry	Dry	0.0014	Dry
KZ#11										Dry	Dry	0.001	0.006	Dry
	(cms)	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*

* = slush and/or anchor ice - unable to measure. Volumes estimated.

Table 5. Rock Haven Resources - Klaza Project. Groundwater Well Measurements. January 2016.

Well #	Total Drilled Depth (m) Nov-15	Standing Water Level (m) Nov-15	Total Depth (m) 02-Jan-16	Standing Water Level (m) 02-Jan-16	Comments
MW 15-01 D	75.9	18.85	75.9	14.61	Data Logger downloaded
MW 15-01 S		Dry	nr	5.64	MW15-01D not sampled
MW 15-02 D	66.75	59.83	66.00	66.00	moist at soil contact
MW 15-02 S		1.23	5.67	4.44	not sampled
MW 15-03 D	33.32	29.14		28.68	Dry
MW 15-03 S		2.16	5.8	4.95	not sampled
MW 15-04 D	84.43	14.05	nr	14.1	Dry/ Frozen?
MW 15-04 S		2.16	nr	3.42	Dry/ Frozen?
MW 15-05 D	48.46	13.61	nr	13.81	Logger Frozen in @ 13.81 m
MW 15-05 S		1.04	nr	2.67	Dry/ Frozen?

Table 6.Rock Haven Resources - Klaza Project. Thermistor String Measurements.

Well # GTC 15-01 Channel #	Nov-15 (k ohm)	Jan-16 (k ohm)
1	16.45	16.83
2	16.52	17.02
3	16.63	17.91
4	16.75	16.97
5	16.77	17.34
6	16.76	16.88
7	16.62	16.93
8	16.56	16.67
9	16.39	16.48
10	16.27	16.32

Note: Thermistor readings require conversion by EBA / Tetra Tech

As a guide for reviewing site water quality, the Maximum Acceptable Concentration (MAC) according to ***Canadian Drinking Water Quality*** are listed along with the Aquatic Guidelines for the protection of aquatic life in water with a pH of > 6.5 according to ***CCME – Canadian Water Quality Guidelines.***

All water quality ***Guideline*** concentrations are based on total metal values.

Laboratory Analytical Reports are attached in Appendix 1.

Data Summaries for each station are on the attached disc.

Discussion

Hydrology

January 2016 stream flow in Klaza Property channels had volumes similar to January 2014 and February 2015. Station KZ#3 had higher measured volumes than the two previous winter low flow measurements.

Stations KZ#1, KZ#2, KZ#6, KZ#10 and KZ#11 were dry, consistent with past winter surveys.

Stations KZ#4 and KZ#7 were heavily glaciated and were not sampled. The diversion channel on upper East Fork Nansen (KZ#8) was completely full of glacial ice to an estimated 3 meter depth. The KZ#8 sample was taken of flows on the left / east limit which during mining operations is the effluent channel.

Table 4 is a summary of flow measurements 2012 -2016. January 2 flow volume calculations are attached in Appendix 2.

Laboratory Analytical Results

Parameters that equal or exceed either ***Drinking Water or Aquatic Guidelines*** are highlighted in yellow in Tables 1 and 2.

Stations KZ-1, KZ-2, KZ-6, KZ-10 and KZ-11 were dry channels and not sampled.

Stations KZ-4 and KZ-7 had heavy glacial ice and were not sampled.

Station KZ-3 exceeds the ***Drinking Water Guidelines*** for iron and the ***Aquatic Guidelines*** for iron and nitrite.

Stations KZ-5 exceeds the ***Aquatic Guidelines*** for nitrite.

Station KZ-8 exceeds the ***Aquatic Guidelines*** for nitrite.

Station KZ-9 exceeds the ***Aquatic Guidelines*** for nitrite.

All stations sampled reported total cyanide at less than laboratory detection limits (0.002 mg/L).
All stations sampled reported total mercury at less than detection limit (0.00001 mg/L).

As a result of placer activity on China Creek (effluent at KZ-11), sediment loading in the Klaza River downstream had increase significantly, in May 2015 an estimated 40% of original stream bed rocks and cobbles were visible and in August 2015 the original stream bed was reduced to an estimated 20%. In January 2016 a large percentage of the sediment had been "flushed" with an estimated 80% of the original stream bed material being visible.

Quality Control

No Quality Control samples were taken this survey.

Onset Weather Station

The **Onset / Hobo** weather station installed near camp on June, 2013 was downloaded on January 2, 2016. All parameter sensors with exception of solar radiation were operating.

The 2015 final weather data report for period January 1 to December 31 is attached.

APPENDIX 1

LABORATORY ANALYTICAL REPORTS

Water Quality Analysis

KLAZA PROPERTY

January, 2016

Exova
#104, 19575-55 A Ave
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
F: +1 (604) 514-3323
E: Surrey@exova.com
W: www.exova.com

Exova

Report Transmission Cover Page

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1114472**
Report To:	J. Gibson & Associates	ID:	Rock Haven Res.	Control Number:	C0049858
	Box 20913	Name:	Klaza	Date Received:	Jan 4, 2016
	Whitehorse, YT, Canada	Location:		Date Reported:	Jan 7, 2016
	Y1A 6P2	LSD:		Report Number:	2072629
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

Notes To Clients:

- Some total metal results were less than dissolved metal results for samples lot #1114472. The results were verified and are within expected measurement uncertainty.

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1114472**
Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

			Reference Number	1114472-1	1114472-2	1114472-3	
			Sample Date	Jan 02, 2016	Jan 02, 2016	Jan 02, 2016	
			Sample Time	10:10	10:45	11:20	
			Sample Location				
			Sample Description	KZ-3	KZ-5	KZ-8	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters							
Organic Carbon	Total Nonpurgeable	mg/L		1.7	1.2	3.4	0.5
Cyanide	Total	mg/L		<0.002	<0.002	<0.002	0.002
Ammonia - N		mg/L		0.01	<0.01	<0.01	0.01
Phosphorus	Total	mg/L		0.100	0.006	0.006	0.003
Metals Total							
Calcium	Total	mg/L		16.5	8.07	60.0	0.05
Magnesium	Total	mg/L		4.82	2.39	13.9	0.05
Potassium	Total	mg/L		0.51	0.40	1.06	0.1
Silicon	Total	mg/L		6.38	4.70	7.27	0.05
Sulfur	Total	mg/L		1.7	1.2	35.8	0.1
Sodium	Total	mg/L		2.88	1.84	5.84	0.02
Titanium	Total	mg/L		0.0050	0.0015	0.0100	0.001
Mercury	Total	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Physical and Aggregate Properties							
Solids	Total Suspended	mg/L		16	<5	<5	5
Solids	Total Dissolved	mg/L		40	14	214	5
Routine Water							
pH - Holding Time				Exceeded	Exceeded	Exceeded	
pH	at 25 °C			7.05	6.60	7.14	
Electrical Conductivity		µS/cm at 25 C		117	63	375	1
Calcium	Dissolved	mg/L		15.7	8.24	62.3	0.1
Iron	Dissolved	mg/L		0.008	<0.005	0.009	0.005
Magnesium	Dissolved	mg/L		4.84	2.59	15.2	0.1
Manganese	Dissolved	mg/L		0.003	<0.001	0.028	0.001
Potassium	Dissolved	mg/L		0.5	0.4	1.1	0.1
Silicon	Dissolved	mg/L		6.25	4.91	7.73	0.05
Sodium	Dissolved	mg/L		2.7	1.8	6.3	0.1
Sulfur	Dissolved	mg/L		1.7	1.2	38.4	0.2
Bicarbonate		mg/L		72	38	135	5
Carbonate		mg/L		<6	<6	<6	6
Hydroxide		mg/L		<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L		<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L		59	31	111	5
Chloride	Dissolved	mg/L		0.17	0.16	0.36	0.05
Nitrate - N	Dissolved	mg/L		0.35	0.27	0.20	0.01
Nitrite - N	Dissolved	mg/L		0.14	0.11	0.13	0.01

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Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1114472**
Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

		Reference Number	1114472-1	1114472-2	1114472-3	
		Sample Date	Jan 02, 2016	Jan 02, 2016	Jan 02, 2016	
		Sample Time	10:10	10:45	11:20	
		Sample Location				
		Sample Description	KZ-3	KZ-5	KZ-8	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	4.43	3.04	114	0.5
Hardness	as CaCO3	mg/L	59	31	218	5
Hardness	Total	mg CaCO3/L	60.9	30.0	207	1
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	<0.010	<0.010	<0.010	0.01
Aluminum	Dissolved	mg/L	0.012	<0.005	<0.005	0.005
Antimony	Dissolved	mg/L	<0.0002	<0.0002	0.0003	0.0002
Arsenic	Dissolved	mg/L	<0.0002	<0.0002	0.0010	0.0002
Barium	Dissolved	mg/L	0.052	0.026	0.056	0.001
Beryllium	Dissolved	mg/L	<0.00004	<0.00004	<0.00004	0.00004
Bismuth	Dissolved	mg/L	<0.0010	<0.0010	<0.0010	0.001
Boron	Dissolved	mg/L	<0.004	<0.004	<0.004	0.004
Cadmium	Dissolved	mg/L	<0.00001	0.00002	0.00004	0.00001
Chromium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Cobalt	Dissolved	mg/L	<0.00002	<0.00002	0.00003	0.00002
Copper	Dissolved	mg/L	<0.001	<0.001	0.002	0.001
Lead	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Lithium	Dissolved	mg/L	<0.001	<0.001	0.001	0.001
Molybdenum	Dissolved	mg/L	0.00032	0.00010	0.00108	0.0001
Nickel	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Selenium	Dissolved	mg/L	<0.0006	<0.0006	<0.0006	0.0006
Silver	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L	0.140	0.071	0.511	0.001
Tellurium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Thallium	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Tin	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L	0.0007	<0.0004	0.0022	0.0004
Vanadium	Dissolved	mg/L	0.00024	0.00020	0.00016	0.0001
Zinc	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Zirconium	Dissolved	mg/L	<0.00010	<0.00010	<0.00010	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.086	0.005	0.040	0.001
Antimony	Total	mg/L	<0.0002	<0.0002	0.0002	0.00002
Arsenic	Total	mg/L	<0.0002	<0.0002	0.0011	0.0001

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Analytical Report

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1114472**
Report To:	J. Gibson & Associates	ID:	Rock Haven Res.	Control Number:	C0049858
	Box 20913	Name:	Klaza	Date Received:	Jan 4, 2016
	Whitehorse, YT, Canada	Location:		Date Reported:	Jan 7, 2016
	Y1A 6P2	LSD:		Report Number:	2072629
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

		Reference Number	1114472-1	1114472-2	1114472-3	
		Sample Date	Jan 02, 2016	Jan 02, 2016	Jan 02, 2016	
		Sample Time	10:10	10:45	11:20	
		Sample Location				
		Sample Description	KZ-3	KZ-5	KZ-8	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued						
Barium	Total	mg/L	0.055	0.025	0.056	0.0001
Beryllium	Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Bismuth	Total	mg/L	<0.0010	<0.0010	<0.0010	0.0001
Boron	Total	mg/L	<0.004	<0.004	<0.004	0.002
Cadmium	Total	mg/L	0.00003	0.00002	0.00005	0.00001
Chromium	Total	mg/L	<0.0004	<0.0004	<0.0004	0.00005
Cobalt	Total	mg/L	0.00014	<0.00002	0.00003	0.00002
Copper	Total	mg/L	<0.001	<0.001	0.002	0.0005
Iron	Total	mg/L	0.328	0.011	0.062	0.002
Lead	Total	mg/L	<0.0001	<0.0001	0.0001	0.00001
Lithium	Total	mg/L	<0.001	<0.001	0.002	0.0005
Manganese	Total	mg/L	0.033	<0.001	0.024	0.001
Molybdenum	Total	mg/L	0.00029	<0.00010	0.00109	0.00002
Nickel	Total	mg/L	<0.001	<0.001	<0.001	0.0002
Selenium	Total	mg/L	<0.0006	<0.0006	<0.0006	0.0002
Silver	Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Strontium	Total	mg/L	0.138	0.069	0.494	0.0001
Tellurium	Total	mg/L	<0.0001	<0.0001	<0.0001	0.00005
Thallium	Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Total	mg/L	<0.0004	<0.0004	<0.0004	0.00005
Tin	Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium	Total	mg/L	0.0010	<0.0004	0.0022	0.00001
Vanadium	Total	mg/L	0.00064	0.00023	0.00023	0.00005
Zinc	Total	mg/L	<0.001	<0.001	<0.001	0.0005
Zirconium	Total	mg/L	<0.0001	<0.0001	0.0001	0.0001

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Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1114472**
Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

Reference Number	1114472-4
Sample Date	Jan 02, 2016
Sample Time	12:50
Sample Location	
Sample Description	KZ-9
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Organic Carbon	Total Nonpurgeable	mg/L	1.6			0.5
Cyanide	Total	mg/L	<0.002			0.002
Ammonia - N		mg/L	0.01			0.01
Phosphorus	Total	mg/L	0.009			0.003
Metals Total						
Calcium	Total	mg/L	14.3			0.05
Magnesium	Total	mg/L	4.59			0.05
Potassium	Total	mg/L	0.50			0.1
Silicon	Total	mg/L	6.17			0.05
Sulfur	Total	mg/L	1.4			0.1
Sodium	Total	mg/L	2.44			0.02
Titanium	Total	mg/L	0.0027			0.001
Mercury	Total	mg/L	<0.00001			0.00001
Physical and Aggregate Properties						
Solids	Total Suspended	mg/L	<5			5
Solids	Total Dissolved	mg/L	66			5
Routine Water						
pH - Holding Time			Exceeded			
pH	at 25 °C		7.01			
Electrical Conductivity		µS/cm at 25 C	103			1
Calcium	Dissolved	mg/L	14.3			0.1
Iron	Dissolved	mg/L	0.009			0.005
Magnesium	Dissolved	mg/L	4.85			0.1
Manganese	Dissolved	mg/L	0.026			0.001
Potassium	Dissolved	mg/L	0.5			0.1
Silicon	Dissolved	mg/L	6.35			0.05
Sodium	Dissolved	mg/L	2.5			0.1
Sulfur	Dissolved	mg/L	1.5			0.2
Bicarbonate		mg/L	67			5
Carbonate		mg/L	<6			6
Hydroxide		mg/L	<5			5
P-Alkalinity	as CaCO3	mg/L	<5			5
T-Alkalinity	as CaCO3	mg/L	55			5
Chloride	Dissolved	mg/L	0.54			0.05
Nitrate - N	Dissolved	mg/L	0.18			0.01
Nitrite - N	Dissolved	mg/L	0.12			0.01

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Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1114472**
Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

Reference Number	1114472-4
Sample Date	Jan 02, 2016
Sample Time	12:50
Sample Location	
Sample Description	KZ-9
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	3.75			0.5
Hardness	as CaCO3	mg/L	56			5
Hardness	Total	mg CaCO3/L	54.5			1
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered			
Titanium	Dissolved	mg/L	<0.010			0.01
Aluminum	Dissolved	mg/L	<0.005			0.005
Antimony	Dissolved	mg/L	<0.0002			0.0002
Arsenic	Dissolved	mg/L	<0.0002			0.0002
Barium	Dissolved	mg/L	0.044			0.001
Beryllium	Dissolved	mg/L	<0.00004			0.00004
Bismuth	Dissolved	mg/L	<0.0010			0.001
Boron	Dissolved	mg/L	<0.004			0.004
Cadmium	Dissolved	mg/L	0.00002			0.00001
Chromium	Dissolved	mg/L	<0.0004			0.0004
Cobalt	Dissolved	mg/L	0.00006			0.00002
Copper	Dissolved	mg/L	<0.001			0.001
Lead	Dissolved	mg/L	<0.0001			0.0001
Lithium	Dissolved	mg/L	<0.001			0.001
Molybdenum	Dissolved	mg/L	0.00022			0.0001
Nickel	Dissolved	mg/L	<0.001			0.001
Selenium	Dissolved	mg/L	<0.0006			0.0006
Silver	Dissolved	mg/L	<0.00001			0.00001
Strontium	Dissolved	mg/L	0.134			0.001
Tellurium	Dissolved	mg/L	<0.0001			0.0001
Thallium	Dissolved	mg/L	<0.00001			0.00001
Thorium	Dissolved	mg/L	<0.0004			0.0004
Tin	Dissolved	mg/L	<0.0001			0.0001
Uranium	Dissolved	mg/L	<0.0004			0.0004
Vanadium	Dissolved	mg/L	0.00019			0.0001
Zinc	Dissolved	mg/L	<0.001			0.001
Zirconium	Dissolved	mg/L	<0.00010			0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.019			0.001
Antimony	Total	mg/L	<0.0002			0.00002
Arsenic	Total	mg/L	<0.0002			0.0001

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Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Res.
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Location:
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Acct code:

Lot ID: **1114472**
Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

Reference Number	1114472-4
Sample Date	Jan 02, 2016
Sample Time	12:50
Sample Location	
Sample Description	KZ-9
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Total - Continued						
Barium	Total	mg/L	0.043			0.0001
Beryllium	Total	mg/L	<0.00005			0.00005
Bismuth	Total	mg/L	<0.0010			0.0001
Boron	Total	mg/L	<0.004			0.002
Cadmium	Total	mg/L	0.00002			0.00001
Chromium	Total	mg/L	<0.0004			0.00005
Cobalt	Total	mg/L	0.00005			0.00002
Copper	Total	mg/L	<0.001			0.0005
Iron	Total	mg/L	0.042			0.002
Lead	Total	mg/L	<0.0001			0.00001
Lithium	Total	mg/L	<0.001			0.0005
Manganese	Total	mg/L	0.024			0.001
Molybdenum	Total	mg/L	0.00018			0.00002
Nickel	Total	mg/L	<0.001			0.0002
Selenium	Total	mg/L	<0.0006			0.0002
Silver	Total	mg/L	<0.00001			0.00001
Strontium	Total	mg/L	0.128			0.0001
Tellurium	Total	mg/L	<0.0001			0.00005
Thallium	Total	mg/L	<0.00001			0.00001
Thorium	Total	mg/L	<0.0004			0.00005
Tin	Total	mg/L	<0.0001			0.0001
Uranium	Total	mg/L	<0.0004			0.00001
Vanadium	Total	mg/L	0.00023			0.00005
Zinc	Total	mg/L	<0.001			0.0005
Zirconium	Total	mg/L	<0.0001			0.0001

Approved by:

Randy Neumann, BSc
Vice President

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).
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Methodology and Notes

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Report To:	J. Gibson & Associates	ID:	Rock Haven Res.	Control Number:	C0049858
	Box 20913	Name:	Klaza	Date Received:	Jan 4, 2016
	Whitehorse, YT, Canada	Location:		Date Reported:	Jan 7, 2016
	Y1A 6P2	LSD:		Report Number:	2072629
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (Surrey)	APHA	* Alkalinity - Titration Method, 2320 B	05-Jan-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Conductivity, 2510 B	05-Jan-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* pH - Electrometric Method, 4500-H+ B	05-Jan-16	Exova Surrey
Ammonia-N in Water (Surrey)	APHA	* Flow Injection Analysis, 4500-NH3 H	06-Jan-16	Exova Surrey
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	05-Jan-16	Exova Surrey
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	06-Jan-16	Exova Edmonton
Cyanide (Total) in water	US EPA	* US EPA method, 335.3	06-Jan-16	Exova Edmonton
Mercury Low Level (Total) in water (Surrey)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	07-Jan-16	Exova Surrey
Metals SemiTrace (Dissolved) in water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	06-Jan-16	Exova Surrey
Metals SemiTrace (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	05-Jan-16	Exova Surrey
Phosphorus - total by Smartchem (Surrey)	APHA	* Preliminary Acid Hydrolysis, Ascorbic Acid Reduction Method, 4500-P B,E	05-Jan-16	Exova Surrey
Solids Dissolved (Total, Fixed and Volatile) - Surrey	APHA	* Total Dissolved Solids Dried at 180 C, 2540 C	04-Jan-16	Exova Surrey
Solids Suspended (Total, Fixed and Volatile) - Surrey	APHA	* Total Suspended Solids Dried at 103-105'C, 2540 D	05-Jan-16	Exova Surrey
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	06-Jan-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	05-Jan-16	Exova Surrey

** Reference Method Modified*

References

APHA	Standard Methods for the Examination of Water and Wastewater
US EPA	US Environmental Protection Agency Test Methods

Comments:

- Some total metal results were less than dissolved metal results for samples lot #1114472. The results were verified and are within expected measurement uncertainty.

Exova
#104, 19575-55 A Ave.
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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:	
Report To:	J. Gibson & Associates	ID:	Rock Haven Res.
	Box 20913	Name:	Klaza
	Whitehorse, YT, Canada	Location:	
	Y1A 6P2	LSD:	
Attn:	John Gibson	P.O.:	
Sampled By:	J.Gibson	Acct code:	
Company:			

Lot ID:	**1114472**
Control Number:	C0049858
Date Received:	Jan 4, 2016
Date Reported:	Jan 7, 2016
Report Number:	2072629

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.
The test report shall not be reproduced except in full, without the written approval of the laboratory.

Terms and Conditions: www.exova.com/about/terms-and-conditions

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www.exova.com ED 120-02

Invoice to:
Company: J GIBSON ENV CONSULTING
Address:
Attention: JOHN.
Phone:
Cell:
Fax:
E-mail: joddategibson@gmail.com
Agreement ID: 6646
Copy of report:

Report To:
Company:
Address: same.
Attention:
Phone:
Cell:
Fax:
E-mail 1:
E-mail 2:
Copy of invoice:

Report Results		Regulatory Requirement	
E-Mail	✓	HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel	✓		
QA/QC			

Project Information
Project ID: ROCK HAVEN RES.
Project Name: KLAZA
Project Location:
Legal Location:
PO/AFE#:
Proj. Acct. Code:
Quote #

Sample Custody (please print)
Sampled by: J GIBSON
Company:

RUSH Priority
- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

This section for Lab use only
Date/Time stamp: JAN 4 2013

Special Instructions/Comments (please include contact information including ph. # if different from above).
RCHEM = EC, pH, TP, N_2, N_3, TALK, HARDT, Cl, SO_4, TSS, TDS.

| | Site I.D. | Sample Description | Depth start | Depth end | Date/Time Sampled | Matrix | Sampling Method | Number of Containers | RCHEM | NH4 | TOC | TDN | TW24 (F) | TW23 (F) | | |

APPENDIX 2

STREAM FLOW VOLUME CALCULATIONS

January 2, 2016

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 02-Jan-16

Site: KZ-9 Mainstem Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.7	0	0.15	0	0	0.000
2	0.07	0.3	0	0.021	0.000
2.3	0.12	0.3	0.135	0.036	0.005
2.6	0.14	0.3	0.391	0.042	0.016
2.9	0.09	0.3	0.254	0.027	0.007
3.2	0.14	0.3	0.262	0.042	0.011
3.5	0.2	0.3	0.272	0.06	0.016
3.8	0.15	1.8	0.116	0.27	0.031
7.1	0	1.65	0	0	0.000
5.4		5.4			**0.0868**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? n Yes

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: J.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 02-Jan-16

Site: KZ-5 Upper Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.3	0	0.15	0	0	0.000
1.6	0.08	0.25	0.047	0.020	0.001
1.8	0.09	0.2	0.072	0.018	0.001
2	0	0.2	0	0	0.000
2.2	0.07	0.2	0.089	0.014	0.001
2.4	0	0.1	0	0	0.000
1.1		1.1			**0.0035**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Ice Conditions: Yes

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: J.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 02-Jan-16

Site: KZ-3

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
2	0	0.1	0	0	0.000
2.2	0.05	0.2	0.05	0.010	0.001
2.4	0.07	0.2	0.203	0.014	0.003
2.6	0.09	0.2	0.203	0.018	0.004
2.8	0.11	0.2	0.324	0.022	0.007
3	0.12	0.2	0.616	0.024	0.015
3.2	0.05	0.2	0.027	0.01	0.000
3.4	0	0.1	0	0	0.000
1.4		1.4			**0.0292**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: J.Gibson

Rock Haven Resources Ltd.

Klaza Property

Baseline Water Quality / Hydrology Survey

May, 2016

J.Gibson Env. Consulting *Whitehorse, Yukon*

Klaza Property May 2016

Rock Haven Resources Ltd. requested baseline water quality / hydrology surveys be conducted quarterly on the surface waters draining the area of the KLAZA Claims.

The KLAZA Claims are located on tributaries to the Nansen Creek and the Klaza River approx. 75 kilometers east of Carmacks.

All surface waters are tributaries to the Klaza River and the Yukon River.

All sites were accessed by ATV on May 12th and 13th, 2016.

The surface water baseline survey consisted of water quality samples for routine chemistry, total metals, dissolved metals, total organic carbon and total cyanide with field measurements for pH, water temperature and flow volumes.

Groundwater monitoring of wells developed in November 2015 consisted of locating the wells in January for standing water levels, purging and sampling wells with sufficient standing water in May, 2016. Wells were sampled for routine chemistry, total and dissolved metals, total Kjeldahl nitrogen, ionic balance and acidity.

The ONSET / HOBO weather station was downloaded May 13, 2016 and the solar radiation sensor changed.

Sample Locations

Ten potential water quality sample sites were identified for the KLAZA Claims in March 2012.
An additional site was added in July, 2014; Station KZ-11 is located at the effluent discharge point of the "China Creek' placer operation prior to entering the Klaza River.

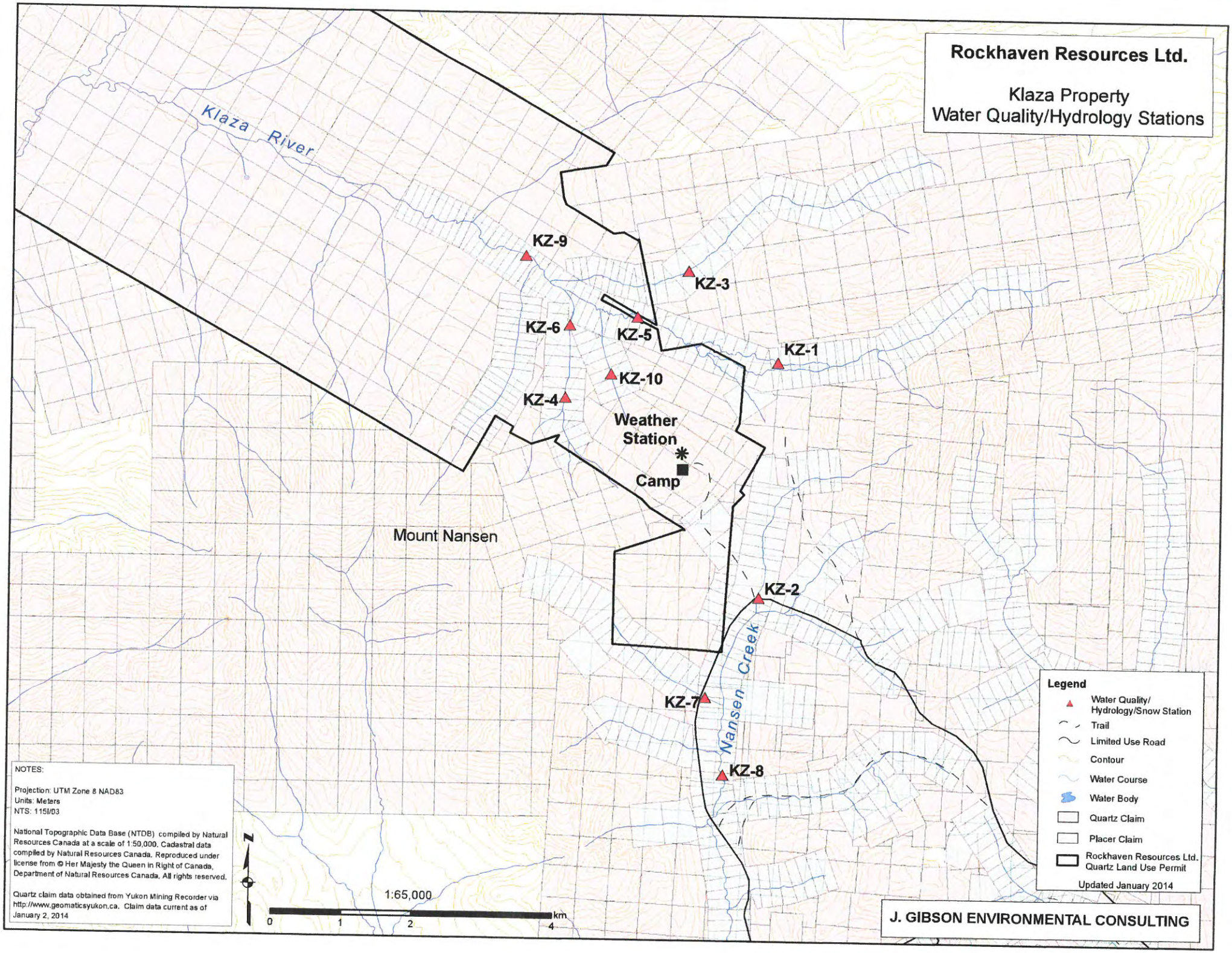
Groundwater Monitoring wells developed in 2015 are also listed.

Surface water sites are on the attached location map.

The Mt Nansen and upper Klaza River are historic placer mining areas.

Main stem Nansen Creek and tributaries as well as Klaza River tributaries have been equipment mined over the past 3 decades.

An abandoned hard rock gold mine is located approximately 5 kilometers to the east of the Klaza Property.


Rockhaven Resources Ltd.
Klaza Property
Water Quality/Hydrology Stations
Klaza River
KZ-9
KZ-3
KZ-6
KZ-5
KZ-1
KZ-10
KZ-4
Weather Station
Camp
Mount Nansen
KZ-2
Nansen Creek
KZ-7
KZ-8
Legend
Water Quality/ Hydrology/Snow Station
Trail
Limited Use Road
Contour
Water Course
Water Body
Quartz Claim
Placer Claim
Rockhaven Resources Ltd. Quartz Land Use Permit
Updated January 2014
NOTES:
Projection: UTM Zone 8 NAD83
Units: Meters
NTS: 115I/03
National Topographic Data Base (NTDB) compiled by Natural Resources Canada at a scale of 1:50,000. Cadastral data compiled by Natural Resources Canada. Reproduced under license from © Her Majesty the Queen in Right of Canada, Department of Natural Resources Canada. All rights reserved.
Quartz claim data obtained from Yukon Mining Recorder via http://www.geomaticsyukon.ca. Claim data current as of January 2, 2014
N
1:65,000
0
1
2
4
km
J. GIBSON ENVIRONMENTAL CONSULTING

In May 2016 placer operators on EF Nansen and China Creek were onsite but not sluicing.

KLAZA Claim sample station designations and coordinates are:

Station #	LAT/LONG Coordinates	
Surface Waters		
KLAZA-1	62.132	137.216
KLAZA-2	62.101	137.218
KLAZA-3	62.143	137.242
KLAZA-4	62.126	137.274
KLAZA-5	62.137	137.255
KLAZA-6	62.135	137.273
KLAZA-7	62.088	137.232
KLAZA-8	62.079	137.226
KLAZA-9	62.144	137.286
KLAZA-10	62.129	137.261
KLAZA -11	no data	
Groundwater Monitoring Wells		
MW15-01	383413 E	6888610 N
MW15-02	383355 E	6890004 N
MW15-03	383056 E	6890592 N
MW15-04	382484 E	6891020 N
MW15-05	381552 E	6890347 N
Thermistor String Well		
GTC15-01	382824 E	6890304 N

Sample Parameters

All surface and groundwater wells stations were sampled for total metals, dissolved metals, routine chemistry. Surface waters had the addition of total organic carbon, total cyanide and total mercury; with groundwater having total Kjeldahl nitrogen, acidity and ionic balance added.

Dissolved metals samples were filtered onsite using disposable 60 ml syringes and 0.45 micron filters. New syringes and filters were used for each station.

Total and dissolved metal samples were preserved with nitric acid immediately after sampling.

Total Organic Carbon samples were preserved with HCL immediately after sampling.

Total cyanide samples were preserved with sodium hydroxide immediately after sampling.

Surface water Quality Control samples were taken at Station KZ-6 on this survey.

Ground water monitoring wells were located, standing water levels were measured and samples taken of the two wells with unfrozen / sufficient standing water, Well MW15-05D and Well MW15-02S. All other wells were dry or remained frozen.

The data loggers in Wells MW15-01 and MW15-05 were not download this survey, MW15-05 as it remains frozen.

Thermistor string measurements were taken at GTC15-01.

All samples were stored in coolers, kept at 4 Celsius and shipped by air cargo to the Exova Canada Inc. laboratory in Surrey B.C. for analysis within recommended holding times.

Field measurements for pH and conductivity were taken with an Oakton PCS TestR 35, water temperatures with a digital thermometer.

Stream flow volumes were measured with a Price Velocity meter and cross sectional area.

Analysis Results

Laboratory analysis and field measurement results are listed in the following tables:

Surface Waters

Table 1. KLAZA Stations Routine Chemistry – laboratory analysis and field Measurements. May 2016.

Table 2. KLAZA Stations Total Metals ICP–MS laboratory analysis results. May 2016.

Table 3. KLAZA Stations Dissolved Metals ICP–MS laboratory analysis results. May 2016.

Table 4. Flow Volume Measurement Summary 2012 – 2016

Table 5. Quality Control Analysis results for Station KZ-6, May 2016

Groundwater Wells

Table 6. Ground water well standing water levels 2016.

Table 7. Thermistor String Measurements 2016

Table 8. Ground water well Routine Chemistry – laboratory analysis and field Measurements. May 2016.

Table 9. Ground water well Total Metals ICP–MS laboratory analysis results. May 2016.

Table 10. Ground water well Dissolved Metals ICP–MS laboratory analysis results. May 2016.

As a guide for reviewing site water quality, the Maximum Acceptable Concentration (MAC) according to ***Canadian Drinking Water Quality*** are listed along with the Aquatic Guidelines for the protection of aquatic life in water with a pH of > 6.5 according to ***CCME – Canadian Water Quality Guidelines.***

All water quality ***Guideline*** concentrations are based on total metal values.

Laboratory Analytical Reports are attached in Appendix 1.

Data Summaries for each surface water station are on the attached disc.

Groundwater Data summaries will be generated when there are three data sets.

Table 1. RockHaven Resources - Klaza Property. Surface Waters Routine Chemistry / Field Measurements May 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines*
pH (field)	ru	7.28	8.02	7.00	8.12	7.07	7.45	7.52	7.44	7.71	7.31			
pH (lab)	ru	6.81	6.64	6.29	6.73	6.58	6.89	6.76	6.95	6.68	6.71		*6.5-8.5*	*6.5-9*
Conductivity (lab)	us/cm	36	29	22	44	37	54	59	113	41	39			
Water Temp	C	6.1	4.2	6.5	0.7	6.2	3.7	1.7	3.6	4.2	9.5			
Flow Volume	cms	0.0854	0.0144	0.0955	0.1241	0.1873	nr	0.0847	nr	0.3246	0.0162	No Flow		
Organic Carbon Total	mg/L	13.6	13.1	17.2	14	11.8	13.5	15.5	11	11.2	19	No Sample		
Cyanide Total	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		*0.2*	*0.005*
Phosphorus Total	mg/L	0.012	0.012	0.018	0.037	0.011	0.024	0.033	0.58	0.02	0.016			
Ammonia - N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.01			*1.37-2.2*
Nitrate - N	mg/L	0.05	0.01	0.01	<0.01	0.02	<0.01	<0.01	0.02	0.03	0.02		*10*	
Nitrite - N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		*1*	*0.06*
T-Alkalinity	mg/L	16	12	7	17	15	22	17	29	17	15			
Chloride	mg/L	0.47	0.15	0.39	0.2	0.18	0.15	0.45	0.15	0.22	0.27		*<250*	
Sulfate (SO4)	mg/L	0.7	<0.5	<0.5	2.3	1.6	2.3	7.4	22.7	1.5	0.5			
Hardness as CaC03	mg/L	20.9	15.9	11.8	24.3	19	25.1	29.9	91.1	21.3	20.7		*<500*	
T.Suspended Solids	mg/L	<2	<2	<2	16	<2	7	10	682	8	6			
T.Dissolved Solids	mg/L	98	<5	38	52	40	<5	26	64	<5	44		*500*	

All results and limits in mg/L unless otherwise noted

DWQ* Guidelines are Maximum Acceptable Concentration according to Canadian Drinking Water Quality

Aquatic Guidelines for Protection of aquatic life in waters with pH>6.5 and hardness as CaC03>180 mg/L**

indicates concentration equal or exceeds Guidelines

Table 2. RockHaven Resources Klaza Property - Surface Waters Total Metals Analysis Results May 2016.

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines*
Calcium	mg/L	6.23	5.12	3.53	7.24	5.47	7.47	8.72	21.5	5.99	5.75			
Iron	mg/L	0.076	0.06	0.187	0.985	0.128	0.594	0.478	26.2	0.204	0.206	No Flow	*0.3*	*0.3*
Magnesium	mg/L	1.29	0.75	0.73	1.52	1.3	1.57	1.96	9.1	1.53	1.53	No Sample		
Manganese	mg/L	0.001	0.002	0.01	0.165	0.002	0.097	0.057	0.396	0.008	0.006		*0.05*	
Potassium	mg/L	0.6	0.9	0.6	0.8	0.6	0.8	0.8	4.6	0.6	0.7			
Silicon	mg/L	2.26	1.63	1.53	2.33	2.56	2.3	2.89	41.8	2.87	1.73			
Sulfur	mg/L	0.4	0.2	0.3	1	0.7	1	2.8	8.5	0.7	0.4			
Sodium	mg/L	0.7	0.38	0.54	0.71	0.91	0.73	1.08	2.95	0.98	0.77		*<200*	
Titanium	mg/L	0.002	0.002	0.002	0.013	0.001	0.009	0.015	0.695	0.004	0.004			
Aluminum	mg/L	0.172	0.131	0.306	0.397	0.11	0.268	0.35	15.2	0.183	0.297			
Antimony	mg/L	0.00006	0.00006	0.00003	0.00013	0.00005	0.00014	0.00011	0.00257	0.00007	0.00008		*0.006*	
Arsenic	mg/L	0.0002	0.0006	0.0002	0.0027	0.0003	0.0016	0.0011	0.0541	0.0005	0.0004		*0.01*	
Barium	mg/L	0.0243	0.0329	0.0194	0.0731	0.0301	0.0646	0.0207	0.251	0.0331	0.08			
Beryllium	mg/L	0.00005	<0.00005	0.00006	<0.00005	<0.00005	<0.00005	<0.00005	0.00062	<0.00005	0.00006			
Bismuth	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0021	<0.0001	<0.0001			
Boron	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.002		*5*	
Cadmium	mg/L	0.00002	0.00004	0.00003	0.00015	0.00002	0.00009	0.00016	0.00167	0.00003	0.00007		*0.005*	*0.0018*
Chromium	mg/L	<0.00005	0.00011	0.0001	0.00037	<0.00005	0.0002	0.00029	0.0137	0.00028	0.00026		*0.05*	*0.002*
Cobalt	mg/L	0.00004	0.00003	0.0001	0.00031	0.00004	0.00019	0.00021	0.0108	0.00007	0.00005			
Copper	mg/L	0.0018	0.0019	0.0015	0.003	0.0014	0.0029	0.0023	0.143	0.0016	0.0037		*1*	*0.004*
Lead	mg/L	0.00005	0.00014	0.00002	0.00162	0.00003	0.00095	0.0019	0.0476	0.00041	0.00022		*0.01*	*0.007*
Lithium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0098	<0.0005	0.0005			
Mercury	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		*0.001*	*0.1*
Molybdenum	mg/L	0.00006	0.00006	0.00004	0.00027	0.00007	0.0003	0.00014	0.00331	0.00011	0.00012			
Nickel	mg/L	0.0003	0.0002	0.0006	0.0008	0.0004	0.0006	0.0005	0.0101	0.0005	0.0008			*0.15*
Selenium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0017	<0.0002	<0.0002		*0.01*	*0.001*
Silver	mg/L	<0.00001	0.00002	<0.00001	0.00004	<0.00001	0.00002	0.00002	0.00086	0.00001	0.00002			*0.0001*
Strontium	mg/L	0.0443	0.0192	0.0246	0.0547	0.0365	0.0556	0.0669	0.2	0.0435	0.0377			
Thallium	mg/L	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	0.00001	0.0003	<0.00001	<0.00001			
Tin	mg/L	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	<0.0001	<0.0001			
Uranium	mg/L	0.00023	0.00006	0.00007	0.00026	0.00012	0.00027	0.00018	0.00294	0.00017	0.00042		*0.02*	
Vanadium	mg/L	0.00017	0.00011	0.00022	0.00096	0.00014	0.00063	0.00095	0.037	0.00059	0.00037			
Zinc	mg/L	0.0011	0.0021	0.0026	0.0073	0.0021	0.0041	0.0052	0.149	0.0021	0.0072		*<5*	*0.03*
Zirconium	mg/L	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009	0.0193	0.0002	0.0003			

indicates concentration equal or exceeds Guidelines

Table 3. RockHaven Resources - Klaza Property Surface Waters Dissolved Metals Analysis Results May 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11
Calcium	mg/L	6.2	5.1	3.5	6.9	5.5	7.5	9.8	15.2	6	5.7	
Iron	mg/L	0.067	0.036	0.146	0.196	0.112	0.181	0.252	0.336	0.105	0.143	No Flow
Magnesium	mg/L	1.3	0.7	0.7	1.4	1.3	1.5	1.9	3.8	1.5	1.5	No Sample
Manganese	mg/L	<0.001	<0.001	0.008	0.108	<0.001	0.077	0.052	0.118	0.005	0.004	
Potassium	mg/L	0.5	0.9	0.6	0.7	0.6	0.7	0.9	0.8	0.6	0.7	
Silicon	mg/L	2.22	1.6	1.49	1.81	2.55	1.97	2.65	3.69	2.7	1.58	
Sodium	mg/L	0.7	0.4	0.6	0.7	1	0.7	1.5	1.8	1	0.7	
Sulfur	mg/L	0.4	0.2	0.3	1	0.7	1	2.9	8.2	0.7	0.3	
Aluminum	mg/L	0.168	0.118	0.284	0.093	0.105	0.086	0.26	0.105	0.103	0.215	
Antimony	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0003	<0.0002	<0.0002	
Arsenic	mg/L	<0.0002	0.0005	<0.0002	0.0009	0.0002	0.0008	0.0009	0.002	0.0003	0.0004	
Barium	mg/L	0.023	0.031	0.019	0.055	0.029	0.056	0.019	0.025	0.03	0.074	
Beryllium	mg/L	<0.00004	<0.00004	0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00006	
Bismuth	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Boron	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.009	<0.004	<0.004	<0.004	
Cadmium	mg/L	0.00002	0.00005	0.00003	0.0001	0.00003	0.00009	0.00019	0.00016	0.00004	0.00007	
Chromium	mg/L	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Cobalt	mg/L	0.00003	0.00002	0.00007	0.00013	0.00004	0.00009	0.00015	0.00064	0.00004	0.00007	
Copper	mg/L	0.0014	0.0018	0.0028	0.0022	0.0016	0.0024	0.0036	0.0172	0.0015	0.0049	
Lead	mg/L	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0002	0.0011	0.0007	0.0001	0.0002	
Lithium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	
Molybdenum	mg/L	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	0.0002	0.0002	0.001	<0.0001	<0.0001	
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	
Selenium	mg/L	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	
Silver	mg/L	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00003	<0.00001	0.00001	
Strontium	mg/L	0.044	0.02	0.025	0.051	0.038	0.055	0.067	0.144	0.044	0.039	
Titanium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	
Tellurium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Thallium	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Thorium	mg/L	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Tin	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	
Uranium	mg/L	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0005	<0.0004	0.0004	
Vanadium	mg/L	0.0002	<0.0001	0.0001	<0.0001	0.0001	0.0001	0.0006	0.0004	0.0002	0.0001	
Zinc	mg/L	0.0019	0.0036	0.0043	0.0043	0.0042	0.0044	0.0195	0.0043	0.0042	0.0081	
Zirconium	mg/L	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0001	0.0003	

Table 4. Klaza Project - Flow Volume Measurement Summary 2012-2016

Station	Date														
	Jun-12	Jul-12	Sep-12	Apr-13	Jun-13	Oct-13	Jan-14	Apr-14	Jul-14	Oct-14	Feb-15	May-15	Aug-15	Jan-16	May-16
KZ#1	0.249	0.262	0.085	Dry	0.1308	0.0248	Dry	Dry	0.0466	0.0232	Dry	nr	0.2706	Dry	0.0854
KZ#2	0.073	0.091	0.039	nr	0.0079	nr	Dry	Dry	<0.001	Dry	Dry	nr	0.0093	Dry	0.0144
KZ#3	0.243	0.084	0.073	nr	0.0142	nr	0.007	0.005	0.0077	0.0246	0.003*	nr	0.1005	0.0292	0.0955
KZ#4	0.170	0.250	0.084	Dry	0.0352	nr	nr	nr	0.0041	0.0372	nr	nr	0.0958	Glacial Ice	0.1241
KZ#5	0.328	0.494	0.150	nr	0.0957	nr	0.003	nr	0.0262	0.0316	0.002*	nr	0.2213	0.0035	0.1873
KZ#6	0.209	0.308	0.075	Dry	0.0471	0.06	Dry	Dry	<0.001	0.0367	Dry	nr	nr	Dry	nr
KZ#7	0.233	0.179	0.065	nr	0.0723	0.0423	nr	nr	0.0158	0.01*	Glaciated	nr	0.1391	Glacial Ice	0.0847
KZ#8	0.423	0.437	0.247	nr	0.1600	0.0764	nr	0.07	nr	0.015*	nr	nr	0.1844	nr	nr
KZ#9	1.848	1.146	0.428	0.0206	0.2528	0.2365	0.0765	0.0335	0.0849	0.1684	0.064	nr	0.4566	0.0868	0.3246
KZ#10	0.029	0.009	0.011	Dry	Dry	<0.001	nr	Dry	Dry	Dry	Dry	Dry	0.0014	Dry	0.0162
KZ#11										Dry	Dry	0.001	0.006	Dry	No Flow
	(cms)	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*

* = slush and/or anchor ice - unable to measure. Volumes estimated.

Table 5. Quality Control Samples - Lab Analysis Results May 2016

Parameter	Unit	Total Metals		Dissolved Metals	
		KZ - 6	KZ-6 Duplicate	KZ - 6	KZ-6 Duplicate
Calcium	mg/L	7.47	7.41	7.5	7.3
Iron	mg/L	0.594	0.603	0.181	0.184
Magnesium	mg/L	1.57	1.56	1.5	1.5
Manganese	mg/L	0.097	0.092	0.077	0.075
Potassium	mg/L	0.8	0.8	0.7	0.7
Silicon	mg/L	2.3	2.32	1.97	1.94
Sulfur	mg/L	1	1	1	1
Sodium	mg/L	0.73	0.75	0.7	0.7
Titanium	mg/L	0.009	0.01	<0.01	<0.01
Aluminum	mg/L	0.268	0.276	0.086	0.085
Antimony	mg/L	0.00014	0.00013	<0.0002	<0.0002
Arsenic	mg/L	0.0016	0.0017	0.0008	0.0008
Barium	mg/L	0.0646	0.0661	0.056	0.056
Beryllium	mg/L	<0.00005	<0.00005	<0.00004	<0.00004
Bismuth	mg/L	<0.0001	<0.0001	<0.001	<0.001
Boron	mg/L	<0.002	<0.002	<0.004	<0.004
Cadmium	mg/L	0.00009	0.0001	0.00009	0.00007
Chromium	mg/L	0.0002	0.0002	<0.0004	<0.0004
Cobalt	mg/L	0.00019	0.0002	0.00009	0.00009
Copper	mg/L	0.0029	0.0029	0.0024	0.0024
Lead	mg/L	0.00095	0.00104	0.0002	0.0002
Lithium	mg/L	<0.0005	<0.0005	<0.001	<0.001
Mercury	mg/L	<0.00001	nr	nr	nr
Molybdenum	mg/L	0.0003	0.0003	0.0002	0.0002
Nickel	mg/L	0.0006	0.0007	<0.001	<0.001
Selenium	mg/L	<0.0002	<0.0002	<0.0006	<0.0006
Silver	mg/L	0.00002	0.00002	0.00001	<0.00001
Strontium	mg/L	0.0556	0.0548	0.055	0.054
Thallium	mg/L	<0.00001	<0.00001	<0.00001	<0.00001
Tin	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Uranium	mg/L	0.00027	0.0003	<0.0004	<0.0004
Vanadium	mg/L	0.00063	0.00073	0.0001	0.0001
Zinc	mg/L	0.0041	0.0043	0.0044	0.0033
Zirconium	mg/L	0.0002	0.0002	0.0001	0.0001

denotes >10% variation between samples

Table 6. Rock Haven Resources - Klaza Project. Groundwater Well Measurements to May 2016.

Well #	Total Drilled Depth (m) Nov-15	Standing Water Level (m) Nov-15	Standing Water Level (m) 02-Jan-16	Standing Water Level (m) 12-May-16	Comments
MW 15-01 D	75.9	18.85	14.61	18.38	Sampled
MW 15-01 S		Dry	5.64	5.64	Dry
MW 15-02 D	66.75	59.83	66.00	66.00	moist at soil contact
MW 15-02 S	5.67	1.23	4.44	4.44	Sampled
MW 15-03 D	33.32	29.14	28.68	29.7	Dry
MW 15-03 S	5.8	2.16	4.95	3.66	not sampled
MW 15-04 D	84.43	14.05	14.1	14.09	Dry/ Frozen
MW 15-04 S		2.16	3.42	3.42	Dry/ Frozen
MW 15-05 D	48.46	13.61	13.81	13.81	Logger Frozen in @ 13.81 m
MW 15-05 S		1.04	2.67	2.67	Dry/ Frozen

Table 7.Rock Haven Resources - Klaza Project. Thermistor String Measurements.

Well # GTC 15-01 Channel #	Nov-15 (k ohm)	Jan-16 (k ohm)	May-16 (k ohm)
1	16.45	16.83	17.53
2	16.52	17.02	17.1
3	16.63	17.91	16.89
4	16.75	16.97	16.88
5	16.77	17.34	16.87
6	16.76	16.88	16.87
7	16.62	16.93	16.76
8	16.56	16.67	16.66
9	16.39	16.48	16.45
10	16.27	16.32	16.31

Note: Thermistor readings require conversion by EBA / Tetra Tech

Table 8 . RockHaven Resources - Klaza Property. Groundwater Wells Routine Chemistry / Field Measurements May 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S
Total Depth	meters	75.9		66.75	5.67	33.32	5.8	84.43		48.46	
Standing Water Level	meters	18.38	5.65	66.00	4.44	29.7	3.66	14.09	3.42	13.81	2.67
Volume Purged (L)	liters	95	Dry	Dry	10	Dry / Frozen	Frozen	Frozen	Frozen	Frozen	Frozen
pH (field)	ru	7.11			6.58						
pH (lab)	ru	7.29			6.09						
Conductivity (lab)	us/cm	602			266						
Water Temp	C	0.5			0.3						
Organic Carbon Dissolved	mg/L	16.6			3.2						
Phosphorus Total	mg/L	0.1			0.1						
OrthoPhosphate (Diss)		0.02			<0.01						
Ammonia - N	mg/L	0.214			0.042						
Nitrate + Nitrite	mg/L	0.02			1.71						
Sulfate (SO4)	mg/L	126			57.7						
T-Alkalinity	mg/L	201			62						
P-Alkalinity	mg/L	<5			<5						
BiCarbonate	mg/L	245			76						
Carbonate	mg/L	<6			<6						
Chloride	mg/L	<5			<5						
Flouride	mg/L	1.76			<0.01						
T.Hardness as CaC03	mg/L	319			123						
T.Dissolved Solids	mg/L	396			222						
T.Kjeldahl Nitrogen	mg/L	1.45			0.4						
Acidity	mg/L CaCo3	16			30						
Ionic Balance (Diss)	%	99.5			114						

Table 9. RockHaven Resources - Klaza Property. Groundwater Wells Total Metals Analysis May 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S
		Sampled	Dry	Dry	Sampled	Dry / Frozen	Frozen	Frozen	Frozen	Frozen	Frozen
Calcium	mg/L	96.7			35.8						
Iron	mg/L	1.12			3.14						
Magnesium	mg/L	18.9			8.09						
Manganese	mg/L	1.11			0.253						
Potassium	mg/L	2.8			1.0						
Silicon	mg/L	7.0			14.0						
Sodium	mg/L	16.6			6.93						
Sulfur	mg/L	45.4			21.8						
Aluminum	mg/L	0.485			1.57						
Antimony	mg/L	0.0009			0.00038						
Arsenic	mg/L	0.0033			0.0231						
Barium	mg/L	0.282			0.438						
Beryllium	mg/L	<0.00005			0.00015						
Bismuth	mg/L	<0.0001			0.0001						
Boron	mg/L	0.007			0.002						
Cadmium	mg/L	0.00052			0.00953						
Chromium	mg/L	0.00153			0.00279						
Cobalt	mg/L	0.00073			0.00078						
Copper	mg/L	0.0053			0.0123						
Lead	mg/L	0.00332			0.0165						
Lithium	mg/L	0.0066			0.0026						
Mercury	mg/L	<0.00001			<0.00001						
Molybdenum	mg/L	0.00336			0.00034						
Nickel	mg/L	0.002			0.0042						
Selenium	mg/L	<0.0002			0.0003						
Silver	mg/L	0.00005			0.00177						
Strontium	mg/L	1.80			0.177						
Titanium	mg/L	0.019			0.048						
Tellurium	mg/L	<0.00005			<0.00005						
Thallium	mg/L	0.00001			0.00006						
Thorium	mg/L	0.00005			0.00094						
Tin	mg/L	0.0015			0.0018						
Uranium	mg/L	0.00571			0.0005						
Vanadium	mg/L	0.00163			0.00303						
Zinc	mg/L	0.020			0.310						
Zirconium	mg/L	0.0002			0.0123						

Table 10. RockHaven Resources - Klaza Property. Groundwater Wells Dissolved Metals Analysis May 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S
		Sampled	Dry	Dry	Sampled	Dry / Frozen	Frozen	Frozen	Frozen	Frozen	Frozen
Calcium	mg/L	88.9			35.7						
Iron	mg/L	0.492			0.497						
Magnesium	mg/L	18.3			8.0						
Manganese	mg/L	1.06			0.181						
Potassium	mg/L	2.7			2.8						
Silicon	mg/L	7.74			9.29						
Sodium	mg/L	15.6			7.0						
Sulfur	mg/L	42.1			21.5						
Aluminum	mg/L	0.669			0.14						
Antimony	mg/L	0.0012			<0.0002						
Arsenic	mg/L	0.0035			0.0045						
Barium	mg/L	0.252			0.362						
Beryllium	mg/L	0.00006			0.00006						
Bismuth	mg/L	<0.001			<0.001						
Boron	mg/L	0.007			<0.004						
Cadmium	mg/L	0.00021			0.00954						
Chromium	mg/L	<0.0004			0.0006						
Cobalt	mg/L	0.0005			0.00033						
Copper	mg/L	0.0012			0.0107						
Lead	mg/L	0.0013			0.0040						
Lithium	mg/L	0.007			0.002						
Molybdenum	mg/L	0.0037			0.0002						
Nickel	mg/L	<0.001			0.004						
Selenium	mg/L	<0.0006			<0.0006						
Silver	mg/L	0.00002			0.00006						
Strontium	mg/L	1.78			0.18						
Titanium	mg/L	0.019			0.183						
Tellurium	mg/L	<0.0001			<0.0001						
Thallium	mg/L	0.00002			0.00002						
Thorium	mg/L	<0.0004			<0.0004						
Tin	mg/L	0.0006			0.0007						
Uranium	mg/L	0.0044			<0.0004						
Vanadium	mg/L	0.0015			0.0005						
Zinc	mg/L	0.0078			5.29						
Zirconium	mg/L	0.0003			0.0009						

Discussion

Hydrology

May 2016 stream flow in Klaza Property channels had volumes reflecting the lower end of freshet. Volumes at most sites were higher than those measured since April 2013.

Station KZ#7 retained some glacial ice.
The diversion channel on upper East Fork Nansen (KZ#8) has been redirected from the right limit to the left limit resulting in a high percentage of flows transiting recently mined areas and setting ponds.
The KZ#8 sample was taken of flows on the left / east limit which during prior years mining operations was the effluent channel. Sample flows were high in sediment.

Table 4 is a summary of flow measurements 2012 -2016. May 12/13, 2016 flow volume calculations are attached in Appendix 2.

Laboratory Analytical Results

Surface Waters

Parameters that equal or exceed either ***Drinking Water or Aquatic Guidelines*** are highlighted in yellow in Tables 1 and 2. All Guideline metals values are Totals.

All Stations had surface water flow and were sampled with the exception of KZ-11. Station KZ-11 is the effluent discharge channel for the placer operation on China Creek. This operation was not sluicing during the survey, therefore no sample was taken.

Stations KZ-1, 2, 5, 9 and 10 meet all ***Drinking Water Guidelines*** and ***Aquatic Guidelines***.

Station KZ-3 exceeds the ***Drinking Water Guidelines*** and the ***Aquatic Guidelines*** for pH.

Stations KZ-4, KZ-6 and KZ-7 exceed the ***Drinking Water Guidelines*** for iron and manganese and the ***Aquatic Guidelines*** for iron.

Station KZ-8 exceeds the ***Drinking Water Guidelines*** for iron, manganese and arsenic; and ***Aquatic Guidelines*** for chromium, copper, lead, selenium, silver and zinc.

All stations sampled reported total cyanide at less than laboratory detection limits (0.002 mg/L).
All stations sampled reported total mercury at less than detection limit (0.00001 mg/L).

Quality Control

Quality Control samples were taken at Station KZ-6. Results are listed in Table 5.

Groundwater Wells

Groundwater wells MW15-01D and MW15-02S were the only wells not dry or frozen in May.
Well MW15-01S and MW15-02D were dry, the remainder of the wells were frozen.
Analysis results and field measurements are listed in Tables 8, 9, and 10.

Thermistor string reading were taken at Well GTC15-01. Results for January and May 2016 are listed in Table 7. Site readings require conversion by EBA / Tetra Tech.

Onset Weather Station

The **Onset / Hobo** weather station installed near camp on June, 2013 was downloaded on May 13, 2016 and the solar radiation sensor was changed.

APPENDIX 1

LABORATORY ANALYTICAL REPORTS

Water Quality Analysis

KLAZA PROPERTY

May, 2016

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Exova

Report Transmission Cover Page

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1137891**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rock Haven Res.	Control Number:	C0049877
		Name:	Klaza	Date Received:	May 16, 2016
		Location:	Surface H2O	Date Reported:	May 20, 2016
		LSD:		Report Number:	2103780
Attn:	John Gibson	P.O.:			
Sampled By:	J. Gibson	Acct code:			
Company:					

Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

Notes To Clients:

- An appropriately preserved sample was not received for total phosphorus analysis of samples 1137891-12 and -13. Analysis was performed on unpreserved sample.
- Sample 1137891-8; 5411708 Reduction of analytical volume was necessary for Trace Metals analysis due to matrix effects in sample #1137891-8. Detection limits are adjusted accordingly.
- Sample 1137891-8; 5411708 Reduction of analytical volume was necessary for TP due to matrix effects in sample 1137891-8. Detection limits are adjusted accordingly.
- Sample 1137891-12; 5411712 Reduction of analytical volume was necessary for anions analysis due to matrix effects in sample # 1137891-12. Detection limits are adjusted accordingly.
- Sample 1137891-13; 5411713 Reduction of analytical volume was necessary for Trace Metals analysis due to matrix effects in sample #1137891-13 for Zn. Detection limits are adjusted accordingly.

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

			Reference Number	1137891-1	1137891-2	1137891-3	
			Sample Date	May 12, 2016	May 12, 2016	May 12, 2016	
			Sample Time	NA	NA	NA	
			Sample Location				
			Sample Description	KZ-1	KZ-2	KZ-3	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters							
Organic Carbon	Total Nonpurgeable	mg/L		13.6	13.1	17.2	0.5
Cyanide	Total	mg/L		<0.002	<0.002	<0.002	0.002
Ammonia - N		mg/L		<0.01	<0.01	<0.01	0.01
Phosphorus	Total	mg/L		0.012	0.012	0.018	0.003
Metals Total							
Calcium	Total	mg/L		6.23	5.12	3.53	0.05
Magnesium	Total	mg/L		1.29	0.75	0.73	0.05
Potassium	Total	mg/L		0.6	0.9	0.6	0.1
Silicon	Total	mg/L		2.26	1.63	1.53	0.05
Sulfur	Total	mg/L		0.4	0.2	0.3	0.1
Sodium	Total	mg/L		0.70	0.38	0.54	0.02
Titanium	Total	mg/L		0.002	0.002	0.002	0.001
Mercury	Total	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Physical and Aggregate Properties							
Solids	Total Suspended	mg/L		<2	<2	<2	2
Solids	Total Dissolved	mg/L		98	<5	38	5
Routine Water							
pH - Holding Time				Exceeded	Exceeded	Exceeded	
pH	at 25 °C			6.81	6.64	6.29	
Electrical Conductivity		µS/cm at 25 C		36	29	22	1
Calcium	Dissolved	mg/L		6.2	5.1	3.5	0.1
Iron	Dissolved	mg/L		0.067	0.036	0.146	0.005
Magnesium	Dissolved	mg/L		1.3	0.7	0.7	0.1
Manganese	Dissolved	mg/L		<0.001	<0.001	0.008	0.001
Potassium	Dissolved	mg/L		0.5	0.9	0.6	0.1
Silicon	Dissolved	mg/L		2.22	1.60	1.49	0.05
Sodium	Dissolved	mg/L		0.7	0.4	0.6	0.1
Sulfur	Dissolved	mg/L		0.4	0.2	0.3	0.2
Bicarbonate		mg/L		20	14	<5	5
Carbonate		mg/L		<6	<6	9	6
Hydroxide		mg/L		<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L		<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L		16	12	7	5
Chloride	Dissolved	mg/L		0.47	0.15	0.39	0.05
Nitrate - N	Dissolved	mg/L		0.05	0.01	0.01	0.01
Nitrite - N	Dissolved	mg/L		<0.01	<0.01	<0.01	0.01

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-1	1137891-2	1137891-3	
		Sample Date	May 12, 2016	May 12, 2016	May 12, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-1	KZ-2	KZ-3	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	0.7	<0.5	<0.5	0.5
Hardness	as CaCO3	mg/L	21	16	10	5
Hardness	Total	mg CaCO3/L	20.9	15.9	11.8	1
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Aluminum	Dissolved	mg/L	0.168	0.118	0.284	0.005
Antimony	Dissolved	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Arsenic	Dissolved	mg/L	<0.0002	0.0005	<0.0002	0.0002
Barium	Dissolved	mg/L	0.023	0.031	0.019	0.001
Beryllium	Dissolved	mg/L	<0.00004	<0.00004	0.00004	0.00004
Bismuth	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Boron	Dissolved	mg/L	<0.004	<0.004	<0.004	0.004
Cadmium	Dissolved	mg/L	0.00002	0.00005	0.00003	0.00001
Chromium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Cobalt	Dissolved	mg/L	0.00003	0.00002	0.00007	0.00002
Copper	Dissolved	mg/L	0.0014	0.0018	0.0028	0.0002
Lead	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Lithium	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Molybdenum	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Nickel	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Selenium	Dissolved	mg/L	<0.0006	<0.0006	<0.0006	0.0006
Silver	Dissolved	mg/L	<0.00001	0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L	0.044	0.020	0.025	0.001
Tellurium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Thallium	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Tin	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Vanadium	Dissolved	mg/L	0.0002	<0.0001	0.0001	0.0001
Zinc	Dissolved	mg/L	0.0019	0.0036	0.0043	0.0005
Zirconium	Dissolved	mg/L	0.0002	0.0001	0.0001	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.172	0.131	0.306	0.001
Antimony	Total	mg/L	0.00006	0.00006	0.00003	0.00002
Arsenic	Total	mg/L	0.0002	0.0006	0.0002	0.0001

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

	Reference Number	1137891-1	1137891-2	1137891-3	
	Sample Date	May 12, 2016	May 12, 2016	May 12, 2016	
	Sample Time	NA	NA	NA	
	Sample Location				
	Sample Description	KZ-1	KZ-2	KZ-3	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued					
Barium Total	mg/L	0.0243	0.0329	0.0194	0.0001
Beryllium Total	mg/L	0.00005	<0.00005	0.00006	0.00005
Bismuth Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron Total	mg/L	<0.002	<0.002	<0.002	0.002
Cadmium Total	mg/L	0.00002	0.00004	0.00003	0.00001
Chromium Total	mg/L	<0.00005	0.00011	0.00010	0.00005
Cobalt Total	mg/L	0.00004	0.00003	0.00010	0.00002
Copper Total	mg/L	0.0018	0.0019	0.0015	0.0025
Iron Total	mg/L	0.076	0.060	0.187	0.002
Lead Total	mg/L	0.00005	0.00014	0.00002	0.00001
Lithium Total	mg/L	<0.0005	<0.0005	<0.0005	0.0005
Manganese Total	mg/L	0.001	0.002	0.010	0.001
Molybdenum Total	mg/L	0.00006	0.00006	0.00004	0.00002
Nickel Total	mg/L	0.0003	0.0002	0.0006	0.0002
Selenium Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver Total	mg/L	<0.00001	0.00002	<0.00001	0.00001
Strontium Total	mg/L	0.0443	0.0192	0.0246	0.0001
Tellurium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Thallium Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Tin Total	mg/L	<0.0001	<0.0001	0.0001	0.0001
Uranium Total	mg/L	0.00023	0.00006	0.00007	0.00001
Vanadium Total	mg/L	0.00017	0.00011	0.00022	0.00005
Zinc Total	mg/L	0.0011	0.0021	0.0026	0.0005
Zirconium Total	mg/L	0.0003	0.0002	0.0002	0.0001

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Bill To: J. Gibson & Associates
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Box 20913
Whitehorse, YT, Canada
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Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

	Reference Number	1137891-4	1137891-5	1137891-6	
	Sample Date	May 13, 2016	May 12, 2016	May 13, 2016	
	Sample Time	NA	NA	NA	
	Sample Location				
	Sample Description	KZ-4	KZ-5	KZ-6	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters					
Organic Carbon Total Nonpurgeable	mg/L	14.0	11.8	13.5	0.5
Cyanide Total	mg/L	<0.002	<0.002	<0.002	0.002
Ammonia - N	mg/L	<0.01	<0.01	0.02	0.01
Phosphorus Total	mg/L	0.037	0.011	0.024	0.003
Metals Total					
Calcium Total	mg/L	7.24	5.47	7.47	0.05
Magnesium Total	mg/L	1.52	1.30	1.57	0.05
Potassium Total	mg/L	0.8	0.6	0.8	0.1
Silicon Total	mg/L	2.33	2.56	2.30	0.05
Sulfur Total	mg/L	1.0	0.7	1.0	0.1
Sodium Total	mg/L	0.71	0.91	0.73	0.02
Titanium Total	mg/L	0.013	0.001	0.009	0.001
Mercury Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Physical and Aggregate Properties					
Solids Total Suspended	mg/L	16	<2	7	2
Solids Total Dissolved	mg/L	52	40	<5	5
Routine Water					
pH - Holding Time		Exceeded	Exceeded	Exceeded	
pH at 25 °C		6.73	6.58	6.89	
Electrical Conductivity	µS/cm at 25 C	44	37	54	1
Calcium Dissolved	mg/L	6.9	5.5	7.5	0.1
Iron Dissolved	mg/L	0.196	0.112	0.181	0.005
Magnesium Dissolved	mg/L	1.4	1.3	1.5	0.1
Manganese Dissolved	mg/L	0.108	<0.001	0.077	0.001
Potassium Dissolved	mg/L	0.7	0.6	0.7	0.1
Silicon Dissolved	mg/L	1.81	2.55	1.97	0.05
Sodium Dissolved	mg/L	0.7	1	0.7	0.1
Sulfur Dissolved	mg/L	1	0.7	1	0.2
Bicarbonate	mg/L	20	18	27	5
Carbonate	mg/L	<6	<6	<6	6
Hydroxide	mg/L	<5	<5	<5	5
P-Alkalinity as CaCO3	mg/L	<5	<5	<5	5
T-Alkalinity as CaCO3	mg/L	17	15	22	5
Chloride Dissolved	mg/L	0.20	0.18	0.15	0.05
Nitrate - N Dissolved	mg/L	<0.01	0.02	<0.01	0.01
Nitrite - N Dissolved	mg/L	<0.01	<0.01	<0.01	0.01

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Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-4	1137891-5	1137891-6	
		Sample Date	May 13, 2016	May 12, 2016	May 13, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-4	KZ-5	KZ-6	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	2.3	1.6	2.3	0.5
Hardness	as CaCO3	mg/L	23	19	25	5
Hardness	Total	mg CaCO3/L	24.3	19.0	25.1	1
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Aluminum	Dissolved	mg/L	0.093	0.105	0.086	0.005
Antimony	Dissolved	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Arsenic	Dissolved	mg/L	0.0009	0.0002	0.0008	0.0002
Barium	Dissolved	mg/L	0.055	0.029	0.056	0.001
Beryllium	Dissolved	mg/L	<0.00004	<0.00004	<0.00004	0.00004
Bismuth	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Boron	Dissolved	mg/L	<0.004	<0.004	<0.004	0.004
Cadmium	Dissolved	mg/L	0.00010	0.00003	0.00009	0.00001
Chromium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Cobalt	Dissolved	mg/L	0.00013	0.00004	0.00009	0.00002
Copper	Dissolved	mg/L	0.0022	0.0016	0.0024	0.0002
Lead	Dissolved	mg/L	0.0001	0.0001	0.0002	0.0001
Lithium	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Molybdenum	Dissolved	mg/L	0.0002	<0.0001	0.0002	0.0001
Nickel	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Selenium	Dissolved	mg/L	<0.0006	<0.0006	<0.0006	0.0006
Silver	Dissolved	mg/L	<0.00001	<0.00001	0.00001	0.00001
Strontium	Dissolved	mg/L	0.051	0.038	0.055	0.001
Tellurium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Thallium	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Tin	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Vanadium	Dissolved	mg/L	<0.0001	0.0001	0.0001	0.0001
Zinc	Dissolved	mg/L	0.0043	0.0042	0.0044	0.0005
Zirconium	Dissolved	mg/L	0.0001	0.0001	0.0001	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.397	0.110	0.268	0.001
Antimony	Total	mg/L	0.00013	0.00005	0.00014	0.00002
Arsenic	Total	mg/L	0.0027	0.0003	0.0016	0.0001

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Box 20913
Whitehorse, YT, Canada
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Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

	Reference Number	1137891-4	1137891-5	1137891-6	
	Sample Date	May 13, 2016	May 12, 2016	May 13, 2016	
	Sample Time	NA	NA	NA	
	Sample Location				
	Sample Description	KZ-4	KZ-5	KZ-6	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued					
Barium Total	mg/L	0.0731	0.0301	0.0646	0.0001
Beryllium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Bismuth Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron Total	mg/L	<0.002	<0.002	<0.002	0.002
Cadmium Total	mg/L	0.00015	0.00002	0.00009	0.00001
Chromium Total	mg/L	0.00037	<0.00005	0.00020	0.00005
Cobalt Total	mg/L	0.00031	0.00004	0.00019	0.00002
Copper Total	mg/L	0.0030	0.0014	0.0029	0.0025
Iron Total	mg/L	0.985	0.128	0.594	0.002
Lead Total	mg/L	0.00162	0.00003	0.00095	0.00001
Lithium Total	mg/L	<0.0005	<0.0005	<0.0005	0.0005
Manganese Total	mg/L	0.165	0.002	0.097	0.001
Molybdenum Total	mg/L	0.00027	0.00007	0.00030	0.00002
Nickel Total	mg/L	0.0008	0.0004	0.0006	0.0002
Selenium Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver Total	mg/L	0.00004	<0.00001	0.00002	0.00001
Strontium Total	mg/L	0.0547	0.0365	0.0556	0.0001
Tellurium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Thallium Total	mg/L	0.00001	<0.00001	<0.00001	0.00001
Thorium Total	mg/L	0.00008	<0.00005	<0.00005	0.00005
Tin Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium Total	mg/L	0.00026	0.00012	0.00027	0.00001
Vanadium Total	mg/L	0.00096	0.00014	0.00063	0.00005
Zinc Total	mg/L	0.0073	0.0021	0.0041	0.0005
Zirconium Total	mg/L	0.0002	0.0002	0.0002	0.0001

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Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

			Reference Number	1137891-7	1137891-8	1137891-9	
			Sample Date	May 13, 2016	May 13, 2016	May 13, 2016	
			Sample Time	NA	NA	NA	
			Sample Location				
			Sample Description	KZ-7	KZ-8	KZ-9	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters							
Organic Carbon	Total Nonpurgeable	mg/L		15.5	11.0	11.2	0.5
Cyanide	Total	mg/L		<0.002	<0.002	<0.002	0.002
Ammonia - N		mg/L		<0.01	0.03	<0.01	0.01
Phosphorus	Total	mg/L		0.033	0.58	0.020	0.003
Metals Total							
Calcium	Total	mg/L		8.72	21.5	5.99	0.05
Magnesium	Total	mg/L		1.96	9.10	1.53	0.05
Potassium	Total	mg/L		0.8	4.6	0.6	0.1
Silicon	Total	mg/L		2.89	41.8	2.87	0.05
Sulfur	Total	mg/L		2.8	8.5	0.7	0.1
Sodium	Total	mg/L		1.08	2.95	0.98	0.02
Titanium	Total	mg/L		0.015	0.695	0.004	0.001
Mercury	Total	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Physical and Aggregate Properties							
Solids	Total Suspended	mg/L		10	682	8	2
Solids	Total Dissolved	mg/L		26	64	<5	5
Routine Water							
pH - Holding Time				Exceeded	Exceeded	Exceeded	
pH	at 25 °C			6.76	6.95	6.68	
Electrical Conductivity		µS/cm at 25 C		59	113	41	1
Calcium	Dissolved	mg/L		9.8	15.2	6.0	0.1
Iron	Dissolved	mg/L		0.252	0.336	0.105	0.005
Magnesium	Dissolved	mg/L		1.9	3.8	1.5	0.1
Manganese	Dissolved	mg/L		0.052	0.118	0.005	0.001
Potassium	Dissolved	mg/L		0.9	0.8	0.6	0.1
Silicon	Dissolved	mg/L		2.65	3.69	2.70	0.05
Sodium	Dissolved	mg/L		1.5	1.8	1	0.1
Sulfur	Dissolved	mg/L		2.9	8.2	0.7	0.2
Bicarbonate		mg/L		21	36	21	5
Carbonate		mg/L		<6	<6	<6	6
Hydroxide		mg/L		<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L		<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L		17	29	17	5
Chloride	Dissolved	mg/L		0.45	0.15	0.22	0.05
Nitrate - N	Dissolved	mg/L		<0.01	0.02	0.03	0.01
Nitrite - N	Dissolved	mg/L		<0.01	<0.01	<0.01	0.01

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Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-7	1137891-8	1137891-9	
		Sample Date	May 13, 2016	May 13, 2016	May 13, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-7	KZ-8	KZ-9	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	7.4	22.7	1.5	0.5
Hardness	as CaCO3	mg/L	33	54	21	5
Hardness	Total	mg CaCO3/L	29.9	91.1	21.3	1
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	0.022	<0.01	<0.01	0.01
Aluminum	Dissolved	mg/L	0.260	0.105	0.103	0.005
Antimony	Dissolved	mg/L	0.0002	0.0003	<0.0002	0.0002
Arsenic	Dissolved	mg/L	0.0009	0.0020	0.0003	0.0002
Barium	Dissolved	mg/L	0.019	0.025	0.030	0.001
Beryllium	Dissolved	mg/L	<0.00004	<0.00004	<0.00004	0.00004
Bismuth	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Boron	Dissolved	mg/L	0.009	<0.004	<0.004	0.004
Cadmium	Dissolved	mg/L	0.00019	0.00016	0.00004	0.00001
Chromium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Cobalt	Dissolved	mg/L	0.00015	0.00064	0.00004	0.00002
Copper	Dissolved	mg/L	0.0036	0.0172	0.0015	0.0002
Lead	Dissolved	mg/L	0.0011	0.0007	0.0001	0.0001
Lithium	Dissolved	mg/L	<0.001	0.001	<0.001	0.001
Molybdenum	Dissolved	mg/L	0.0002	0.001	<0.0001	0.0001
Nickel	Dissolved	mg/L	0.001	<0.001	<0.001	0.001
Selenium	Dissolved	mg/L	<0.0006	<0.0006	<0.0006	0.0006
Silver	Dissolved	mg/L	<0.00001	0.00003	<0.00001	0.00001
Strontium	Dissolved	mg/L	0.067	0.144	0.044	0.001
Tellurium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Thallium	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Tin	Dissolved	mg/L	0.0002	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L	<0.0004	0.0005	<0.0004	0.0004
Vanadium	Dissolved	mg/L	0.0006	0.0004	0.0002	0.0001
Zinc	Dissolved	mg/L	0.0195	0.0043	0.0042	0.0005
Zirconium	Dissolved	mg/L	0.0002	0.0003	0.0001	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.350	15.2	0.183	0.001
Antimony	Total	mg/L	0.00011	0.00257	0.00007	0.00002
Arsenic	Total	mg/L	0.0011	0.0541	0.0005	0.0001

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

	Reference Number	1137891-7	1137891-8	1137891-9	
	Sample Date	May 13, 2016	May 13, 2016	May 13, 2016	
	Sample Time	NA	NA	NA	
	Sample Location				
	Sample Description	KZ-7	KZ-8	KZ-9	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued					
Barium Total	mg/L	0.0207	0.251	0.0331	0.0001
Beryllium Total	mg/L	<0.00005	0.00062	<0.00005	0.00005
Bismuth Total	mg/L	<0.0001	0.0021	<0.0001	0.0001
Boron Total	mg/L	<0.002	0.004	<0.002	0.002
Cadmium Total	mg/L	0.00016	0.00167	0.00003	0.00001
Chromium Total	mg/L	0.00029	0.0137	0.00028	0.00005
Cobalt Total	mg/L	0.00021	0.0108	0.00007	0.00002
Copper Total	mg/L	0.0023	0.143	0.0016	0.0025
Iron Total	mg/L	0.478	26.2	0.204	0.002
Lead Total	mg/L	0.00190	0.0476	0.00041	0.00001
Lithium Total	mg/L	<0.0005	0.0098	<0.0005	0.0005
Manganese Total	mg/L	0.057	0.396	0.008	0.001
Molybdenum Total	mg/L	0.00014	0.00331	0.00011	0.00002
Nickel Total	mg/L	0.0005	0.0101	0.0005	0.0002
Selenium Total	mg/L	<0.0002	0.0017	<0.0002	0.0002
Silver Total	mg/L	0.00002	0.00086	0.00001	0.00001
Strontium Total	mg/L	0.0669	0.200	0.0435	0.0001
Tellurium Total	mg/L	<0.00005	0.00014	<0.00005	0.00005
Thallium Total	mg/L	0.00001	0.00030	<0.00001	0.00001
Thorium Total	mg/L	<0.00005	0.00350	<0.00005	0.00005
Tin Total	mg/L	<0.0001	0.0003	<0.0001	0.0001
Uranium Total	mg/L	0.00018	0.00294	0.00017	0.00001
Vanadium Total	mg/L	0.00095	0.0370	0.00059	0.00005
Zinc Total	mg/L	0.0052	0.149	0.0021	0.0005
Zirconium Total	mg/L	0.0009	0.0193	0.0002	0.0001

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-10	1137891-11	1137891-12	
		Sample Date	May 12, 2016	May 13, 2016	May 12, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-10	KZ-6 Duplicate	MW15-01D	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Calcium	Total	mg/L	5.75	7.41	96.7	0.05
Magnesium	Total	mg/L	1.53	1.56	18.9	0.05
Potassium	Total	mg/L	0.7	0.8	2.8	0.1
Silicon	Total	mg/L	1.73	2.32	7.00	0.05
Sulfur	Total	mg/L	0.4	1.0	45.4	0.1
Sodium	Total	mg/L	0.77	0.75	16.6	0.02
Titanium	Total	mg/L	0.004	0.01	0.019	0.001
Mercury	Total	mg/L	<0.00001		<0.00001	0.00001
Routine Water						
Nitrate and Nitrite - N		mg/L			0.02	0.01
Acidity	titrate to pH of 8.3	mg/L as CaCO3			16	5
pH - Holding Time			Exceeded		Exceeded	
Digestion	Dissolved				Field Filtered	
pH	at 25 °C		6.71		7.29	
Electrical Conductivity		µS/cm at 25 C	39		602	1
Calcium	Dissolved	mg/L	5.7	7.3	88.9	0.1
Iron	Dissolved	mg/L	0.143	0.184		0.005
Magnesium	Dissolved	mg/L	1.5	1.5	18.3	0.1
Manganese	Dissolved	mg/L	0.004	0.075		0.001
Potassium	Dissolved	mg/L	0.7	0.7	2.7	0.1
Silicon	Dissolved	mg/L	1.58	1.94	7.74	0.05
Sodium	Dissolved	mg/L	0.7	0.7	15.6	0.1
Sulfur	Dissolved	mg/L	0.3	1	42.1	0.2
Bicarbonate		mg/L	18		245	5
Carbonate		mg/L	<6		<6	6
Hydroxide		mg/L	<5		<5	5
P-Alkalinity	as CaCO3	mg/L	<5		<5	5
T-Alkalinity	as CaCO3	mg/L	15		201	5
Chloride	Dissolved	mg/L	0.27		3.42	0.05
Fluoride	Dissolved	mg/L			1.76	0.01
Nitrate - N	Dissolved	mg/L	0.02			0.01
Nitrite - N	Dissolved	mg/L	<0.01			0.01
Sulfate (SO4)	Dissolved	mg/L	0.5		126	0.5
Hardness	as CaCO3	mg/L	21	25	297	5
Hardness	Total	mg CaCO3/L	20.7		319	1

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Bill To: J. Gibson & Associates
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Box 20913
Whitehorse, YT, Canada
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Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-10	1137891-11	1137891-12	
		Sample Date	May 12, 2016	May 13, 2016	May 12, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-10	KZ-6 Duplicate	MW15-01D	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Total Dissolved Solids	Calculated Value	mg/L			398	1
Ionic Balance	Dissolved	%			99.5	90-110
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	<0.01	<0.01	0.019	0.01
Aluminum	Dissolved	mg/L	0.215	0.085	0.669	0.005
Antimony	Dissolved	mg/L	<0.0002	<0.0002	0.0012	0.0002
Arsenic	Dissolved	mg/L	0.0004	0.0008	0.0035	0.0002
Barium	Dissolved	mg/L	0.074	0.056	0.252	0.001
Beryllium	Dissolved	mg/L	0.00006	<0.00004	0.00006	0.00004
Bismuth	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Boron	Dissolved	mg/L	<0.004	<0.004	0.007	0.004
Cadmium	Dissolved	mg/L	0.00007	0.00007	0.00021	0.00001
Chromium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Cobalt	Dissolved	mg/L	0.00007	0.00009	0.00050	0.00002
Copper	Dissolved	mg/L	0.0049	0.0024	0.0012	0.0002
Iron	Dissolved	mg/L			0.492	0.005
Lead	Dissolved	mg/L	0.0002	0.0002	0.0013	0.0001
Lithium	Dissolved	mg/L	<0.001	<0.001	0.007	0.001
Manganese	Dissolved	mg/L			1.06	0.001
Molybdenum	Dissolved	mg/L	<0.0001	0.0002	0.0037	0.0001
Nickel	Dissolved	mg/L	<0.001	<0.001	<0.001	0.001
Selenium	Dissolved	mg/L	<0.0006	<0.0006	<0.0006	0.0006
Silver	Dissolved	mg/L	0.00001	<0.00001	0.00002	0.00001
Strontium	Dissolved	mg/L	0.039	0.054	1.780	0.001
Tellurium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Thallium	Dissolved	mg/L	<0.00001	<0.00001	0.00002	0.00001
Thorium	Dissolved	mg/L	<0.0004	<0.0004	<0.0004	0.0004
Tin	Dissolved	mg/L	<0.0001	<0.0001	0.0006	0.0001
Uranium	Dissolved	mg/L	0.0004	<0.0004	0.0044	0.0004
Vanadium	Dissolved	mg/L	0.0001	0.0001	0.0015	0.0001
Zinc	Dissolved	mg/L	0.0081	0.0033	0.0078	0.0005
Zirconium	Dissolved	mg/L	0.0003	0.0001	0.0003	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.297	0.276	0.485	0.001
Antimony	Total	mg/L	0.00008	0.00013	0.00090	0.00002

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

	Reference Number	1137891-10	1137891-11	1137891-12	
	Sample Date	May 12, 2016	May 13, 2016	May 12, 2016	
	Sample Time	NA	NA	NA	
	Sample Location				
	Sample Description	KZ-10	KZ-6 Duplicate	MW15-01D	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued					
Arsenic Total	mg/L	0.0004	0.0017	0.0033	0.0001
Barium Total	mg/L	0.0800	0.0661	0.282	0.0001
Beryllium Total	mg/L	0.00006	<0.00005	<0.00005	0.00005
Bismuth Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron Total	mg/L	<0.002	<0.002	0.007	0.002
Cadmium Total	mg/L	0.00007	0.00010	0.00052	0.00001
Chromium Total	mg/L	0.00026	0.00020	0.00153	0.00005
Cobalt Total	mg/L	0.00005	0.00020	0.00073	0.00002
Copper Total	mg/L	0.0037	0.0029	0.0053	0.0025
Iron Total	mg/L	0.206	0.603	1.12	0.002
Lead Total	mg/L	0.00022	0.00104	0.00332	0.00001
Lithium Total	mg/L	0.0005	<0.0005	0.0066	0.0005
Manganese Total	mg/L	0.006	0.092	1.11	0.001
Molybdenum Total	mg/L	0.00012	0.00030	0.00336	0.00002
Nickel Total	mg/L	0.0008	0.0007	0.0020	0.0002
Selenium Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver Total	mg/L	0.00002	0.00002	0.00005	0.00001
Strontium Total	mg/L	0.0377	0.0548	1.80	0.0001
Tellurium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Thallium Total	mg/L	<0.00001	<0.00001	0.00001	0.00001
Thorium Total	mg/L	0.00007	<0.00005	0.00005	0.00005
Tin Total	mg/L	<0.0001	<0.0001	0.0015	0.0001
Uranium Total	mg/L	0.00042	0.00030	0.00571	0.00001
Vanadium Total	mg/L	0.00037	0.00073	0.00163	0.00005
Zinc Total	mg/L	0.0072	0.0043	0.0200	0.0005
Zirconium Total	mg/L	0.0003	0.0002	0.0002	0.0001

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Analytical Report

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1137891**
Report To:	J. Gibson & Associates	ID:	Rock Haven Res.	Control Number:	C0049877
	Box 20913	Name:	Klaza	Date Received:	May 16, 2016
	Whitehorse, YT, Canada	Location:	Surface H2O	Date Reported:	May 20, 2016
	Y1A 6P2	LSD:		Report Number:	2103780
Attn:	John Gibson	P.O.:			
Sampled By:	J. Gibson	Acct code:			
Company:					

		Reference Number	1137891-10	1137891-12	1137891-13	
		Sample Date	May 12, 2016	May 12, 2016	May 13, 2016	
		Sample Time	NA	NA	NA	
		Sample Location				
		Sample Description	KZ-10	MW15-01D	MW15-02S	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Ammonium - N		mg/L		0.214	0.042	0.025
Kjeldahl Nitrogen	Total	mg/L		1.45	0.40	0.07
Phosphorus	Total	mg/L		0.10	0.10	0.05
Orthophosphate-P	Dissolved	mg/L		0.02	<0.01	0.01
Organic Carbon	Total Nonpurgeable	mg/L	19.0			0.5
Organic Carbon	Dissolved Nonpurgeable	mg/L		16.6	3.2	0.5
Cyanide	Total	mg/L	<0.002			0.002
Ammonia - N		mg/L	<0.01			0.01
Phosphorus	Total	mg/L	0.016			0.003
Physical and Aggregate Properties						
Solids	Total Suspended	mg/L	6			2
Solids	Total Dissolved	mg/L	44	396	222	5

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Attn: John Gibson
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Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

		Reference Number	1137891-13			
		Sample Date	May 13, 2016			
		Sample Time	NA			
		Sample Location				
		Sample Description	MW15-02S			
		Matrix	Water			
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Calcium	Total	mg/L	35.8			0.05
Magnesium	Total	mg/L	8.09			0.05
Potassium	Total	mg/L	1			0.1
Silicon	Total	mg/L	14.0			0.05
Sulfur	Total	mg/L	21.8			0.1
Sodium	Total	mg/L	6.93			0.02
Titanium	Total	mg/L	0.048			0.001
Mercury	Total	mg/L	<0.00001			0.00001
Routine Water						
Nitrate and Nitrite - N		mg/L	1.71			0.01
Acidity	titrate to pH of 8.3	mg/L as CaCO3	30			5
pH - Holding Time			Exceeded			
Digestion	Dissolved		Field Filtered			
pH	at 25 °C		6.09			
Electrical Conductivity		µS/cm at 25 C	266			1
Calcium	Dissolved	mg/L	35.7			0.1
Magnesium	Dissolved	mg/L	8.0			0.1
Potassium	Dissolved	mg/L	2.8			0.1
Silicon	Dissolved	mg/L	9.29			0.05
Sodium	Dissolved	mg/L	7.0			0.1
Sulfur	Dissolved	mg/L	21.5			0.2
Bicarbonate		mg/L	76			5
Carbonate		mg/L	<6			6
Hydroxide		mg/L	<5			5
P-Alkalinity	as CaCO3	mg/L	<5			5
T-Alkalinity	as CaCO3	mg/L	62			5
Chloride	Dissolved	mg/L	0.89			0.05
Fluoride	Dissolved	mg/L	<0.01			0.01
Sulfate (SO4)	Dissolved	mg/L	57.7			0.5
Hardness	as CaCO3	mg/L	120			5
Hardness	Total	mg CaCO3/L	123			1
Total Dissolved Solids	Calculated Value	mg/L	175			1
Ionic Balance	Dissolved	%	114			90-110
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered			

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Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

Reference Number	1137891-13
Sample Date	May 13, 2016
Sample Time	NA
Sample Location	
Sample Description	MW15-02S
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Dissolved - Continued						
Titanium	Dissolved	mg/L	0.183			0.01
Aluminum	Dissolved	mg/L	0.140			0.005
Antimony	Dissolved	mg/L	<0.0002			0.0002
Arsenic	Dissolved	mg/L	0.0045			0.0002
Barium	Dissolved	mg/L	0.362			0.001
Beryllium	Dissolved	mg/L	0.00006			0.00004
Bismuth	Dissolved	mg/L	<0.001			0.001
Boron	Dissolved	mg/L	<0.004			0.004
Cadmium	Dissolved	mg/L	0.00954			0.00001
Chromium	Dissolved	mg/L	0.0006			0.0004
Cobalt	Dissolved	mg/L	0.00033			0.00002
Copper	Dissolved	mg/L	0.0107			0.0002
Iron	Dissolved	mg/L	0.497			0.005
Lead	Dissolved	mg/L	0.0040			0.0001
Lithium	Dissolved	mg/L	0.002			0.001
Manganese	Dissolved	mg/L	0.181			0.001
Molybdenum	Dissolved	mg/L	0.0002			0.0001
Nickel	Dissolved	mg/L	0.004			0.001
Selenium	Dissolved	mg/L	<0.0006			0.0006
Silver	Dissolved	mg/L	0.00006			0.00001
Strontium	Dissolved	mg/L	0.180			0.001
Tellurium	Dissolved	mg/L	<0.0001			0.0001
Thallium	Dissolved	mg/L	0.00002			0.00001
Thorium	Dissolved	mg/L	<0.0004			0.0004
Tin	Dissolved	mg/L	0.0007			0.0001
Uranium	Dissolved	mg/L	<0.0004			0.0004
Vanadium	Dissolved	mg/L	0.0005			0.0001
Zinc	Dissolved	mg/L	5.290			0.0005
Zirconium	Dissolved	mg/L	0.0009			0.0001
Trace Metals Total						
Aluminum	Total	mg/L	1.57			0.001
Antimony	Total	mg/L	0.00038			0.00002
Arsenic	Total	mg/L	0.0231			0.0001
Barium	Total	mg/L	0.438			0.0001
Beryllium	Total	mg/L	0.00015			0.00005
Bismuth	Total	mg/L	0.0001			0.0001

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V3S 8P8, Canada

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W: www.exova.com

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rock Haven Res.
Name: Klaza
Location: Surface H2O
LSD:
P.O.:
Acct code:

Lot ID: **1137891**
Control Number: C0049877
Date Received: May 16, 2016
Date Reported: May 20, 2016
Report Number: 2103780

Reference Number	1137891-13
Sample Date	May 13, 2016
Sample Time	NA
Sample Location	
Sample Description	MW15-02S
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Total - Continued						
Boron	Total	mg/L	0.002			0.002
Cadmium	Total	mg/L	0.00953			0.00001
Chromium	Total	mg/L	0.00279			0.00005
Cobalt	Total	mg/L	0.00078			0.00002
Copper	Total	mg/L	0.0123			0.0025
Iron	Total	mg/L	3.14			0.002
Lead	Total	mg/L	0.0165			0.00001
Lithium	Total	mg/L	0.0026			0.0005
Manganese	Total	mg/L	0.253			0.001
Molybdenum	Total	mg/L	0.00034			0.00002
Nickel	Total	mg/L	0.0042			0.0002
Selenium	Total	mg/L	0.0003			0.0002
Silver	Total	mg/L	0.00177			0.00001
Strontium	Total	mg/L	0.177			0.0001
Tellurium	Total	mg/L	<0.00005			0.00005
Thallium	Total	mg/L	0.00006			0.00001
Thorium	Total	mg/L	0.00094			0.00005
Tin	Total	mg/L	0.0018			0.0001
Uranium	Total	mg/L	0.00050			0.00001
Vanadium	Total	mg/L	0.00303			0.00005
Zinc	Total	mg/L	0.310			0.0005
Zirconium	Total	mg/L	0.0123			0.0001

Approved by:

Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.
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E: Surrey@exova.com
W: www.exova.com

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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1137891**
Report To:	J. Gibson & Associates	ID:	Rock Haven Res.	Control Number:	C0049877
	Box 20913	Name:	Klaza	Date Received:	May 16, 2016
	Whitehorse, YT, Canada	Location:	Surface H2O	Date Reported:	May 20, 2016
	Y1A 6P2	LSD:		Report Number:	2103780
Attn:	John Gibson	P.O.:			
Sampled By:	J. Gibson	Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Acidity in water (Surrey)	APHA	* Acidity - Titration Method, 2310 B	19-May-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Alkalinity - Titration Method, 2320 B	17-May-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Conductivity, 2510 B	17-May-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* pH - Electrometric Method, 4500-H+ B	17-May-16	Exova Surrey
Ammonia-N in Water (Surrey)	APHA	* Flow Injection Analysis, 4500-NH3 H	17-May-16	Exova Surrey
Ammonium-N in Water	APHA	* Automated Phenate Method, 4500-NH3 G	19-May-16	Exova Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	19-May-16	Exova Edmonton
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	17-May-16	Exova Surrey
Carbon Organic (Dissolved) in water (DOC)	APHA	High-Temperature Combustion Method, 5310 B	19-May-16	Exova Edmonton
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	18-May-16	Exova Edmonton
Cyanide (Total) in water	US EPA	* US EPA method, 335.3	20-May-16	Exova Edmonton
Filtration of water for dissolved analysis	APHA	* Filtration for Dissolved and Suspended Metals / Total Organic Carbon, 3030 B / 5310 A	18-May-16	Exova Edmonton
Mercury Low Level (Total) in water (Surrey)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	20-May-16	Exova Surrey
Metals SemiTrace (Dissolved) in water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	16-May-16	Exova Surrey
Metals SemiTrace (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	16-May-16	Exova Surrey
Orthophosphate-P in Water	APHA	* Automated Ascorbic Acid Reduction Method, 4500-P F	18-May-16	Exova Edmonton
Phosphorus - total by Smartchem (Surrey)	APHA	* Persulfate digestion method, 4500-P B5	17-May-16	Exova Surrey
Phosphorus - Total in Water	APHA	* Automated Ascorbic Acid Reduction Method, 4500-P F	18-May-16	Exova Edmonton
Solids Dissolved (Total, Fixed and Volatile) - Surrey	APHA	* Total Dissolved Solids Dried at 180 C, 2540 C	17-May-16	Exova Surrey
Solids Suspended (Total, Fixed and Volatile) - Surrey	APHA	* Total Suspended Solids Dried at 103-105'C, 2540 D	17-May-16	Exova Surrey
Total and Kjeldahl Nitrogen (Total) in Water	ISO	* Water Quality - Determination of nitrogen, ISO/TR 11905-2	18-May-16	Exova Edmonton
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	16-May-16	Exova Surrey
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	16-May-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	16-May-16	Exova Surrey

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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1137891**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rock Haven Res.	Control Number:	C0049877
		Name:	Klaza	Date Received:	May 16, 2016
		Location:	Surface H2O	Date Reported:	May 20, 2016
		LSD:		Report Number:	2103780
Attn:	John Gibson	P.O.:			
Sampled By:	J. Gibson	Acct code:			
Company:					

Method Name	Reference	Method	Date Analysis Started	Location
Trace Metals (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	16-May-16	Exova Surrey

** Reference Method Modified*

References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
ISO	International Organization for Standardization
US EPA	US Environmental Protection Agency Test Methods

Comments:

- An appropriately preserved sample was not received for total phosphorus analysis of samples 1137891-12 and -13. Analysis was performed on unpreserved sample.
- Sample 1137891-8; 5411708 Reduction of analytical volume was necessary for Trace Metals analysis due to matrix effects in sample #1137891-8. Detection limits are adjusted accordingly.
- Sample 1137891-8; 5411708 Reduction of analytical volume was necessary for TP due to matrix effects in sample 1137891-8. Detection limits are adjusted accordingly.
- Sample 1137891-12; 5411712 Reduction of analytical volume was necessary for anions analysis due to matrix effects in sample # 1137891-12. Detection limits are adjusted accordingly.
- Sample 1137891-13; 5411713 Reduction of analytical volume was necessary for Trace Metals analysis due to matrix effects in sample #1137891-13 for Zn. Detection limits are adjusted accordingly.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.
The test report shall not be reproduced except in full, without the written approval of the laboratory.
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www.exova.com ED 120-02

Invoice to:
Company: JOHN GIBSON
Address:
Attention:
Phone:
Cell:
Fax:
E-mail:
Agreement ID: 6646
Copy of report:

Report To:
Company:
Address:
Attention:
Phone:
Cell:
Fax:
E-mail 1:
E-mail 2:
Copy of invoice:

Report Results		Regulatory Requirement	
E-Mail		HCDWOG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

Project Information
Project ID: ROCK HAVEN RES,
Project Name: KLAZA
Project Location:
Legal Location: SURFACE H2O
PO/AFE#:
Proj. Acct. Code:
Quote #

Sample Custody (please print)
Sampled by: J GIBSON
Company:

RUSH Priority
- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

This section for Lab use only
Date/Time/temp: RECEIVED MAY 16 2016

Special Instructions/Comments (please include contact information including ph. # if different from above).
RCHEM = PH, EC, TP, N2, N3, TALK, CL, SO4, HARDT, TSS, TDS

	Site I.D.	Sample Description	Depth start	Depth end	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	RCHEM.	NH4	TOC	TKN	TW24 EW	THg	TW23 EW (F)	Enter tests above (√ relevant samples below)
1	KZ-1				MAY 12	H2O	GRAB	7	✓	✓	✓	✓	✓	✓	✓	
2	KZ-2				"	"	"	7	✓	✓	✓	✓	✓	✓	✓	
3	KZ-3				"	"	"	7	✓	✓	✓	✓	✓	✓	✓	
4	KZ-4				MAY 13			7	✓	✓	✓	✓	✓	✓	✓	
5	KZ-5				MAY 12			7	✓	✓	✓	✓	✓	✓	✓	
6	KZ-6				MAY 13			7	✓	✓	✓	✓	✓	✓	✓	
7	KZ-7				"			7	✓	✓	✓	✓	✓	✓	✓	
8	KZ-8				"			7	✓	✓	✓	✓	✓	✓	✓	
9	KZ-9				"			7	✓	✓	✓	✓	✓	✓	✓	
10	KZ-10				MAY 12			7	✓	✓	✓	✓	✓	✓	✓	
11								7	✓	✓	✓	✓	✓	✓	✓	
12	KZ-6 DUPLICATE				MAY 13											
13								2					✓		✓	
14	NOTES: TW23 FIELD FILTERED,				METHYL MERCURY THg + MeHg, TOC + HARDT											
15					NH4 + SULFUR											

Indicate in the space allotted any deficiencies by the corresponding number.

1. Indicate any samples that were not packaged well
2. Indicate any samples not received in Exova supplies
3. Indicate any samples that were not clearly labeled
4. Indicate any samples not received within the required hold time or temp.
5. Indicate any missing or extra samples
6. Indicate any samples that were received broken
7. Indicate any samples where sufficient volume was not received
8. Indicate any samples received in an inappropriate container

Submission of this form acknowledges acceptance of Exova's Standard Terms and Conditions (http://www.exova.com/about/terms-and-conditions/)

Lot: 1137891 COC

Shipping: COD Y/ N
and size of coolers
Temp. received: 8 C
Delivery Method:
Waybill:
Received by:

Please indicate any potentially hazardous samples

Page 1 of 2 Control # C 0049877

ED 120-02

Exova Testing. calibrating. advising.

www.exova.com ED 120-02

Invoice to:

Company: JOHN GIBSON
Address:
Attention:
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E-mail:
Agreement ID: 6646
Copy of report:

Report To:

Company:
Address:
Attention:
Phone:
Cell:
Fax:
E-mail 1:
E-mail 2:
Copy of invoice:

Report Results / Regulatory Requirement

Report Results		Regulatory Requirement	
E-Mail		HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

Project Information

Project ID: ROCK HAVEN RES.
Project Name: KLAZA
Project Location:
Legal Location: GROUND H_2O
PO/AFE#:
Proj. Acct. Code:
Quote #

Sample Custody (please print)

Sampled by: J GIBSON
Company:

RUSH Priority

- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

This section for Lab use only

Date/Time stamp: RECEIVED MAY 16 2016

Special Instructions/Comments (please include contact information including ph. # if different from above).

RCHEM = PH, EC, TDS, DOC, OH, TALK, ACIDITY
NUTRIENTS + IONS = NH_3, NO_3, NO_2, TKN, O-PO4, F, SO4, FI, CL,

	Site I.D.	Sample Description	Depth start (cm)	Depth end (m)	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	RCHEM	NUTRIENT	NH4	TKN	TW24	TW23 (F)	THg
1															
2	MW15-01D		18.38		MAY 12 0700	H_2O	P+G	8							
3															
4	MW15-02S		4.44		MAY 13 1130	H_2O	P+G	8							
5															
6															
7															
8															
9															
10					SEE ATTACHED LIST										
11															
12															
13															
14															
15															

Enter tests above (√ relevant samples below)

NOTES: MW15-01D TW23 NOT FIELD FILTERED OR PRES.
TKN 2 BOTTLES - PRES IN #2
METALS + NITRIC, NH_4 + SULFURIC, THg + HCL

Indicate in the space allotted any deficiencies by the corresponding number.

1. Indicate any samples that were not packaged well
2. Indicate any samples not received in Exova supplies
3. Indicate any samples that were not clearly labeled
4. Indicate any samples not received within the required hold time or temp.
5. Indicate any missing or extra samples
6. Indicate any samples that were received broken
7. Indicate any samples where sufficient volume was not received
8. Indicate any samples received in an inappropriate container

Submission of this form acknowledges acceptance of Exova's Standard Terms and Conditions (http://www.exova.com/about/terms-and-conditions/)

Indicate lot # or affix barcode here

Shipping: COD Y/ N
and size of coolers
Temp. received: Delivery Method:
Waybill:
Received by:

Please indicate any potentially hazardous samples

Page 2 of 2 Control # C0049876

ED 120-02

May 15, 2016

TO: Exova in Surrey

RE: COC# 0049876

Analysis parameters

Analysis parameters would not all fit on COC so include a list:

Routine Chem = Acidity, T.Alk, Hard T, pH, EC, TDS, DOC, OH, ion Balance

Major ions = K, Na, Mg, HC03, C03, S04, F, Cl

Nutrients= NH3, N03, N02, 0-P04, P

Sample volume is 1 X 500 ml R.CHEM and 1x 250 ml NUT

Hope volume is enough, analysis list not my list but given to me by engineering outfit – sorry for any confusion.

Analysis detection limits to < CCME Guidelines Drinking Water

John Gibson

APPENDIX 2

STREAM FLOW VOLUME CALCULATIONS

May 12 and 13, 2016

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 13-May-16

Site: KZ-1 Upper Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.15	0	0.1	0	0.000	0.000
1.35	0.08	0.2	0	0.016	0.000
1.55	0.12	0.2	0	0.024	0.000
1.75	0.14	0.2	0.257	0.028	0.007
1.95	0.2	0.2	0.603	0.040	0.024
2.15	0.2	0.2	0.736	0.04	0.029
2.35	0.2	0.2	0.28	0.04	0.011
2.55	0.16	0.2	0.341	0.032	0.011
2.75	0.12	0.175	0.121	0.021	0.003
2.9	0	0.075	0	0	0.000
1.75		1.75			**0.0854**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? No

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: R.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 12-May-16

Site: KZ-2 trib to Nansen Creek

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
0.9	0	0.05	0	0	0.000
1	0.06	0.15	0.13	0.009	0.001
1.2	0.08	0.2	0.196	0.016	0.003
1.4	0.08	0.2	0.24	0.016	0.004
1.6	0.12	0.2	0.215	0.024	0.005
1.8	0.08	0.125	0.112	0.01	0.001
1.85	0	0.025	0	0	0.000
0.95		0.95			**0.0144**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? No

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: R.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 12-May-16

Site: KZ-3

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.45	0	0.025	0	0	0.000
1.5	0.04	0.125	0	0.005	0.000
1.7	0.04	0.2	0	0.008	0.000
1.9	0.08	0.2	0.225	0.016	0.004
2.1	0.08	0.2	0.162	0.016	0.003
2.3	0.12	0.2	0.225	0.024	0.005
2.5	0.18	0.2	0.143	0.036	0.005
2.7	0.26	0.2	0.393	0.052	0.020
2.9	0.26	0.2	0.341	0.052	0.018
3.1	0.3	0.2	0.677	0.06	0.041
3.3	0.1	0.13	0	0.013	0.000
3.36	0	0.03	0	0	0.000
1.91		1.91			**0.0955**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Ice Conditions: No Ice

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: R.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 13-May-16

Site: KZ-4 trib to Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.5	0	0.1	0	0	0.000
1.7	0.05	0.2	0.165	0.010	0.002
1.9	0.07	0.2	0.298	0.014	0.004
2.1	0.08	0.2	0.192	0.016	0.003
2.3	0.09	0.2	0.386	0.018	0.007
2.5	0.15	0.2	0.393	0.03	0.012
2.7	0.14	0.2	0.474	0.028	0.013
2.9	0.17	0.2	0.769	0.034	0.026
3.1	0.16	0.15	0.72	0.024	0.017
3.2	0.13	0.2	0.603	0.026	0.016
3.5	0.11	0.25	0.485	0.0275	0.013
3.7	0.13	0.195	0.425	0.02535	0.011
3.89	0	0.095	0	0	0.000
2.39		2.39			**0.1241**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? N No

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: J.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 12-May-16

Site: KZ-5 Upper Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1	0	0.1	0	0	0.000
1.2	0.12	0.2	0.291	0.024	0.007
1.4	0.12	0.2	0.554	0.024	0.013
1.6	0.12	0.2	0.59	0.024	0.014
1.8	0.16	0.2	0.401	0.032	0.013
2	0.2	0.2	0.577	0.04	0.023
2.2	0.2	0.2	0.565	0.04	0.023
2.4	0.16	0.2	0.229	0.032	0.007
2.6	0.14	0.2	0.565	0.028	0.016
2.8	0.16	0.2	0.497	0.032	0.016
3	0.14	0.2	0.677	0.028	0.019
3.2	0.18	0.2	0.752	0.036	0.027
3.4	0.16	0.2	0.291	0.032	0.009
3.6	0.12	0.2	0	0.024	0.000
3.8	0.1	0.16	0	0.016	0.000
3.92	0	0.06	0	0	0.000
2.92		2.92			**0.1873**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Ice Conditions: No Ice

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: R.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 13-May-16

Site: KZ-7 Slate Creek - trib to Nansen Creek

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.46	0	0.07	0	0	0.000
1.6	0.1	0.17	0.103	0.017	0.002
1.8	0.17	0.15	0.215	0.0255	0.005
1.9	0.2	0.1	0.386	0.02	0.008
2	0.21	0.1	0.485	0.021	0.010
2.1	0.23	0.1	0.497	0.023	0.011
2.2	0.24	0.1	0.497	0.024	0.012
2.3	0.21	0.1	0.474	0.021	0.010
2.4	0.22	0.1	0.372	0.022	0.008
2.5	0.21	0.1	0.269	0.021	0.006
2.6	0.24	0.1	0.185	0.024	0.004
2.7	0.2	0.15	0.128	0.03	0.004
2.9	0.18	0.235	0.097	0.0423	0.004
3.17	0	0.135	0	0	0.000
1.71		1.71			**0.0847**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? N No Ice in cross section

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: J.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 13-May-16

Site: KZ-9 Mainstem Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.24	0	0.03	0	0	0.000
1.3	0.24	0.13	0.22	0.031	0.007
1.5	0.31	0.2	0.285	0.062	0.018
1.7	0.3	0.2	0.251	0.06	0.015
1.9	0.32	0.2	0.393	0.064	0.025
2.1	0.31	0.2	0.474	0.062	0.029
2.3	0.32	0.2	0.464	0.064	0.030
2.5	0.27	0.2	0.442	0.054	0.024
2.7	0.28	0.2	0.329	0.056	0.018
2.9	0.27	0.2	0.483	0.054	0.026
3.1	0.24	0.2	0.464	0.048	0.022
3.3	0.21	0.25	0.434	0.0525	0.023
3.6	0.21	0.3	0.497	0.063	0.031
3.9	0.19	0.3	0.451	0.057	0.026
4.2	0.14	0.3	0.417	0.042	0.018
4.5	0.11	0.25	0.379	0.0275	0.010
4.7	0.1	0.155	0.155	0.0155	0.002
4.81	0	0.055	0	0	0.000
3.57		3.57			**0.3246**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? n ice free

Method: Price Velocity meter #2/ TS Wading Rod

Measurement By: J.Gibson

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 12-May-16

Site: KZ-10 trib to Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.43	0	0.085	0	0	0.000
1.6	0.14	0.135	0.087	0.019	0.002
1.7	0.13	0.1	0.137	0.013	0.002
1.8	0.18	0.1	0.148	0.018	0.003
1.9	0.18	0.1	0.143	0.018	0.003
2	0.19	0.1	0.128	0.019	0.002
2.1	0.21	0.1	0.132	0.021	0.003
2.2	0.22	0.105	0.103	0.0231	0.002
2.31	0	0.055	0	0	0.000
0.88		0.88			**0.0162**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? N No Ice

Method: Price Velocity meter#2/ TS Wading Rod

Measurement By: J.Gibson

Rock Haven Resources Ltd.

Klaza Property

Baseline Water Quality / Hydrology Survey

September, 2016

J.Gibson Env. Consulting *Whitehorse, Yukon*

Rock Haven Resources Ltd. requested baseline water quality / hydrology surveys be conducted quarterly on the surface waters draining the area of the KLAZA Claims. Ground water wells were drilled in November 2015 with quarterly monitoring scheduled in conjunction with surface water monitoring.

The KLAZA Claims are located on tributaries to the Nansen Creek and the Klaza River approx. 75 kilometers east of Carmacks.

The Mt Nansen and upper Klaza River are historic placer mining areas.

Main stem Nansen Creek and tributaries as well as Klaza River tributaries have been equipment mined over the past 3 decades.

An abandoned hard rock gold mine is located approximately 5 kilometers to the east of the Klaza Property.

In September 2016 placer operators on EF Nansen and China Creek were active and sluicing.

All surface waters are tributaries to the Klaza River and the Yukon River.

All sites were accessed by truck or ATV on September 18, 19 and 20, 2016.

Monitoring

The surface water baseline survey consisted of water quality samples for routine chemistry, total metals, dissolved metals, total organic carbon and total cyanide with field measurements for pH, water temperature and flow volumes.

Sediment samples at the upstream (KZ-1) and downstream (KZ-9) Klaza River stations were done in September.

Groundwater monitoring consisted of measurements for standing water levels, purging and sampling wells with sufficient standing water. Wells were sampled for routine chemistry, total and dissolved metals, total Kjeldahl nitrogen, ionic balance and acidity.

Groundwater data loggers were downloaded along with thermistor string readings.

The ONSET / HOBO weather station logger was downloaded.

An attempt was made to download vibrating wire piezometers but encountered soft ware problems.

Sample Locations

Ten potential water quality sample sites were identified for the KLAZA Claims in March 2012.
An additional site was added in July, 2014; Station KZ-11 is located at the effluent discharge point of the "China Creek' placer operation prior to entering the Klaza River.

Groundwater Monitoring wells developed in 2015 are also listed.

Surface water sites are on the attached location map.

KLAZA Claim sample station designations and coordinates are:

Station #	LAT/LONG Coordinates	
Surface Waters		
KLAZA-1	62.132	137.216
KLAZA-2	62.101	137.218
KLAZA-3	62.143	137.242
KLAZA-4	62.126	137.274
KLAZA-5	62.137	137.255
KLAZA-6	62.135	137.273
KLAZA-7	62.088	137.232
KLAZA-8	62.079	137.226
KLAZA-9	62.144	137.286
KLAZA-10	62.129	137.261
KLAZA -11	no data	
Groundwater Monitoring Wells		
MW15-01	383413 E	6888610 N
MW15-02	383355 E	6890004 N
MW15-03	383056 E	6890592 N
MW15-04	382484 E	6891020 N
MW15-05	381552 E	6890347 N
Thermistor String Well		
GTC15-01	382824 E	6890304 N

Sample Parameters

All surface and groundwater wells stations were sampled for total metals, dissolved metals, routine chemistry. Surface waters had the addition of total organic carbon, total cyanide and total mercury; with groundwater having total Kjeldahl nitrogen, acidity and ionic balance added.

Dissolved metals samples were filtered onsite using disposable 60 ml syringes and 0.45 micron filters. New syringes and filters were used for each station.

Total and dissolved metal samples were preserved with nitric acid immediately after sampling.

Total Organic Carbon samples were preserved with HCL immediately after sampling.

Total cyanide samples were preserved with sodium hydroxide immediately after sampling.

All samples were stored in coolers, kept at 4 Celsius and shipped by air cargo to the Exova Canada Inc. laboratory in Surrey B.C. for analysis within recommended holding times.

Field measurements for pH and conductivity were taken with an Oakton PCS TestR 35, water temperatures with a digital thermometer.

Stream flow volumes were measured with a Price Velocity meter and cross sectional area.

Surface water Quality Control samples were taken at Station KZ-9 (lower Klaza River) this survey.

Ground water monitoring wells were located, standing water levels were measured and samples taken of the three wells that were unfrozen and had sufficient standing water, Wells MW15-02S, MW15-03S and Well MW15-04S.

Well MW15-01D had standing water but could not get water to surface.

All other wells were dry or remained frozen.

The data loggers in Well MW15-01 were download this survey. Data from September 2015 to December 2016 will be submitted after the next survey.

The data logger in MW15-05 remains frozen. The well has been frozen the past three surveys; January, May and September 2016.

Thermistor string measurements were taken at GTC15-01.

Analysis Results

Laboratory analysis and field measurement results are listed in the following tables:

Surface Waters

Table1. KLAZA Stations Routine Chemistry – laboratory analysis and field measurements. September 2016.

Table2. KLAZA Stations Total Metals ICP–MS laboratory analysis results. September 2016.

Table3. KLAZA Stations Dissolved Metals ICP–MS laboratory analysis results. September 2016.

Table4. Flow Volume Measurement Summary 2012 – 2016

Table5. Quality Control Analysis results for Station KZ-9, September 2016

Table6. Surface Station Sediment sample analysis results. September 2016.

Groundwater Wells

Table7. Ground water wells standing water levels 2016.

Table8. Ground water Routine Chemistry – laboratory analysis and field measurements. September 2016.

Table9. Ground water Total Metals ICP–MS laboratory analysis results. September 2016.

Table10. Ground water Dissolved Metals ICP–MS laboratory analysis results. September 2016.

Table11. Thermistor String Measurements 2016

As a guide for reviewing site water quality, the Maximum Acceptable Concentration (MAC) according to ***Canadian Drinking Water Quality*** are listed along with the Aquatic Guidelines for the protection of aquatic life in water with a pH of > 6.5 according to ***CCME – Canadian Water Quality Guidelines.***

All water quality ***Guideline*** concentrations are based on total metal values.

Laboratory Analytical Reports are attached in Appendix 1.

Data Summaries for each surface water station are on the attached disc.

Groundwater Data summaries will be generated when there are three data sets.

Discussion

Hydrology

September 2016 stream flow in Klaza Property channels had volumes reflecting pre freeze up. Volumes at most sites were substantially lower than those measured in August 2015. All channel had surface water flow.

The diversion channel on upper East Fork Nansen (KZ#8) has been returned to the right limit. The left limit continues as an effluent channel through recently mined areas and settling ponds. Flows were split approximately 50/50 between right and left limit channels.

The KZ- 8 sample was taken of flows on the right / west limit channel.

Station KZ-11 is the effluent channel for the placer operation on "China Creek". The operation was sluicing at the time of sampling. Extensive stripping has been done on lower China Creek – from the access road west to Station KZ-6 and north to within 10 meters of the Klaza River channel. The newly stripped area is estimated at greater than 20 acres.

Table 4 is a summary of flow measurements 2012 -2016. September, 2016 flow volume calculations are attached in Appendix 2.

Table 1. RockHaven Resources - Klaza Property. Surface Waters Routine Chemistry / Field Measurements September 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines*
pH (field)	ru			7.75	8.33		8.18	8.24	8.25	7.95		8.23		
pH (lab)	ru	7.31	7.39	7.24	7.39	6.97	7.36	7.31	7.26	7.11	7.11	7.5	*6.5-8.5*	*6.5-9*
Conductivity (lab)	us/cm	70	107	129	122	58	132	160	146	95	224	258		
Water Temp	C			2.2	2.9		3.9	0.7	0.6	3.8		4.8		
Flow Volume	cms	0.009	0.001	0.0203	0.0454	0.0576	0.0314	0.0643	0.0554	0.2613	0.0025	0.001		
Organic Carbon Total	mg/L	1.2	2	1.9	3.9	2.4	4.5	5.9	6.9	4.6	2.8	13		
Cyanide Total	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	*0.2*	*0.005*
Phosphorus Total	mg/L	<0.003	<0.003	0.005	0.003	0.006	0.006	0.005	0.06	0.243	0.017	2.53		
Ammonia - N	mg/L	<0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.02	<0.01	0.15		*1.37-2.2*
Nitrate - N	mg/L	0.1	0.18	0.17	0.01	0.04	<0.01	0.02	<0.01	0.04	0.26	0.09	*10*	
Nitrite - N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	*1*	*0.06*
T-Alkalinity	mg/L	34	50	61	50	28	55	45	41	43	105	121		
Chloride	mg/L	0.12	0.14	0.15	0.13	0.13	0.14	0.13	0.13	0.14	0.16	0.24	*<250*	
Sulfate (SO4)	mg/L	1.4	3.1	3.9	8.8	3.2	7.8	26.5	22.7	4	7.8	11.4		
Hardness as CaC03	mg/L	34.8	54	63	58	26	63	75	69	53	110	132	*<500*	
T.Suspended Solids	mg/L	<4	<4	<4	5	<4	<4	4	28	82	17	1950		
T.Dissolved Solids	mg/L	78	86	92	90	54	110	112	116	114	158	266	*500*	

All results and limits in mg/L unless otherwise noted

DWQ* Guidelines are Maximum Acceptable Concentration according to Canadian Drinking Water Quality

Aquatic Guidelines for Protection of aquatic life in waters with pH>6.5 and hardness as CaC03>180 mg/L**

indicates concentration equal or exceeds Guidelines

Table 2. RockHaven Resources Klaza Property - Surface Waters Total Metals Analysis Results September 2016.

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11	*DWQ* G.Lines*	*Aquatic** G.Lines
Calcium	mg/L	10.5	17.6	17.4	18.2	7.8	19.4	22.5	20.2	14.9	31.9	58.8		
Iron	mg/L	0.004	<0.002	0.064	0.105	0.034	0.794	0.038	0.387	14.4	0.606	122	*0.3*	*0.3*
Magnesium	mg/L	2.36	2.92	5.37	3.88	1.95	4.18	5.07	4.66	5.96	10.1	38.8		
Manganese	mg/L	<0.001	<0.001	0.01	0.09	0.004	0.365	0.033	0.034	0.408	0.036	3.9	*0.05*	
Potassium	mg/L	0.3	0.4	0.5	0.4	0.4	0.5	0.4	0.5	1.9	1	7.9		
Silicon	mg/L	4.52	3.97	6.63	6.25	4.97	6.27	6.12	7.24	18.3	7.83	89		
Sulfur	mg/L	0.8	1.6	1.9	3.9	1.5	3.5	11	10	1.9	3.7	6		
Sodium	mg/L	1.7	1.69	2.86	2.45	1.84	2.59	2.91	2.79	2.85	3.42	6.88	*<200*	
Titanium	mg/L	<0.002	0.003	0.003	0.004	0.002	0.004	0.004	0.015	0.296	0.019	1.58		
Aluminum	mg/L	0.01	0.007	0.027	0.025	0.034	0.035	0.016	0.295	13.4	0.481	77.5		
Antimony	mg/L	0.00005	0.00011	0.00007	0.00014	0.00006	0.00015	0.00013	0.00024	0.00149	0.0002	0.00196	*0.006*	
Arsenic	mg/L	<0.0001	0.001	0.0001	0.0009	0.0002	0.002	0.0005	0.0011	0.0344	0.0007	0.151	*0.01*	
Barium	mg/L	0.0276	0.0768	0.0546	0.098	0.0332	0.111	0.028	0.0297	0.216	0.223	1.61		
Beryllium	mg/L	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00033	<0.00005	0.0016		
Bismuth	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0006	<0.0001	0.0038		
Boron	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.005	0.002	0.004	*5*	
Cadmium	mg/L	<0.00001	0.00003	<0.00001	0.00002	0.00002	0.00003	0.00005	0.00007	0.00062	0.00005	0.00706	*0.005*	*0.0018*
Chromium	mg/L	<0.00005	<0.00005	0.00014	<0.00005	0.00011	0.00012	<0.00005	0.0004	0.00995	0.00031	0.0544	*0.05*	*0.002*
Cobalt	mg/L	<0.00002	<0.00002	0.00004	0.00008	0.00003	0.00026	0.00004	0.0002	0.00543	0.00021	0.0361		
Copper	mg/L	<0.0002	0.0003	0.0002	0.0008	0.0006	0.0009	0.0007	0.004	0.0171	0.0012	0.124	*1*	*0.004*
Lead	mg/L	<0.00001	<0.00001	<0.00001	0.000128	0.000011	0.000205	0.000056	0.000792	0.0385	0.000739	0.253	*0.01*	*0.007*
Lithium	mg/L	<0.0005	<0.0005	0.0007	0.0006	<0.0005	0.0006	<0.0005	0.0006	0.0076	0.0022	0.0266		
Mercury	mg/L	<0.00001							<0.00001	<0.00001			*0.001*	*0.1*
Molybdenum	mg/L	0.000097	0.000314	0.000315	0.000321	0.00007	0.000423	0.000219	0.000337	0.00156	0.000219	0.00323		
Nickel	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0054	0.0002	0.0368		*0.15*
Selenium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0007	<0.0002	0.0062	*0.01*	*0.001*
Silver	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000012	0.000334	0.000022	0.00424		*0.0001*
Strontium	mg/L	0.0676	0.0603	0.142	0.126	0.0513	0.132	0.151	0.138	0.12	0.247	0.567		
Thallium	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000308	0.000014	0.000928		
Tin	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	<0.0001	0.0004		
Uranium	mg/L	0.000125	0.000175	0.000923	0.000325	0.000065	0.000543	0.000256	0.000276	0.00189	0.00158	0.018	*0.02*	
Vanadium	mg/L	0.000122	0.000059	0.000246	0.000145	0.000235	0.000273	0.000189	0.000837	0.0288	0.00107	0.126		
Zinc	mg/L	<0.0005	0.0008	<0.0005	0.0011	<0.0005	0.0011	<0.0005	0.003	0.0721	0.0033	0.547	*<5*	*0.03*
Zirconium	mg/L	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.0002	0.0067	0.0001	0.0133		

indicates concentration equal or exceeds Guidelines

Table 3. RockHaven Resources - Klaza Property Surface Waters Dissolved Metals Analysis Results September 2016

Parameter	Unit	KZ-1	KZ-2	KZ-3	KZ-4	KZ-5	KZ-6	KZ-7	KZ-8	KZ-9	KZ-10	KZ-11
Calcium	mg/L	10.2	17.1	16.8	17.4	7.5	18.8	22.1	20.2	14.4	29.7	36
Iron	mg/L	<0.002	<0.002	0.011	0.047	0.012	0.575	0.029	0.075	2.17	0.038	<0.002
Magnesium	mg/L	2.2	2.8	5.1	3.6	1.8	3.9	4.8	4.4	4.1	8.9	10.3
Manganese	mg/L	<0.001	<0.001	0.004	0.081	0.003	0.356	0.033	0.031	0.197	0.012	0.625
Potassium	mg/L	0.3	0.4	0.5	0.4	0.4	0.5	0.4	0.4	1.1	0.7	1.1
Silicon	mg/L	4.24	3.73	6.11	5.76	4.6	5.78	5.75	6.33	9.78	6.61	5.77
Sodium	mg/L	1.5	1.3	2.6	2.2	1.6	2.2	2.7	2.6	2.4	2.9	4.9
Sulfur	mg/L	0.7	1.5	1.8	3.6	1.4	3.3	10.5	9.4	2.1	3.1	4.8
Aluminum	mg/L	0.008726	0.006318	0.01272	0.008367	0.0141	0.008671	0.01134	0.04239	1.469	0.002637	0.005578
Antimony	mg/L	0.000049	0.00011	0.000058	0.000134	0.000057	0.000139	0.000119	0.00018	0.000304	0.000114	0.000223
Arsenic	mg/L	<0.0001	0.001	<0.0001	0.0008	0.0002	0.0019	0.0005	0.0006	0.0046	0.0001	0.0013
Barium	mg/L	0.0259	0.0719	0.0524	0.0922	0.032	0.1056	0.0266	0.0261	0.0672	0.1963	0.0857
Beryllium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000056	<0.000050	<0.000050
Bismuth	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium	mg/L	<0.00001	0.000021	<0.00001	0.000015	0.000012	0.000026	0.000038	0.000045	0.000173	<0.00001	0.000166
Chromium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000134	0.000056	<0.000050	0.000108	0.001042	<0.000050	<0.000050
Cobalt	mg/L	<0.000020	<0.000020	<0.000020	0.000057	0.000024	0.000233	0.000028	0.000091	0.000718	0.000033	0.000304
Copper	mg/L	<0.0005	<0.0005	<0.0005	0.0007	0.0005	0.0007	0.0007	0.0024	0.0029	<0.0005	0.0012
Lead	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	0.000084	0.00007	<0.00001	0.000059	0.006252	<0.00001	<0.00001
Lithium	mg/L	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	0.0018	0.0007
Molybdenum	mg/L	0.000099	0.000295	0.000301	0.00029	0.000082	0.000411	0.000203	0.000259	0.00076	0.000191	0.002646
Nickel	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0007	<0.0002	0.0003
Selenium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000024	<0.00001	<0.00001
Strontium	mg/L	0.0696	0.064	0.1487	0.132	0.054	0.1418	0.1576	0.1434	0.1314	0.2546	0.3697
Titanium	mg/L	0.002	0.003	0.003	0.003	0.002	0.004	0.004	0.005	0.067	0.006	0.007
Tellurium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Thallium	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000028	<0.00001	<0.00001
Thorium	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Tin	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Uranium	mg/L	0.000123	0.000163	0.000873	0.000309	0.000057	0.000535	0.00025	0.000248	0.000871	0.001425	0.01044
Vanadium	mg/L	0.000084	<0.000050	0.000118	<0.000050	0.000121	0.000132	0.000139	0.000241	0.003739	<0.000050	0.00052
Zinc	mg/L	<0.0005	0.0009	<0.0005	0.0006	0.001	0.0013	0.0005	0.0011	0.0078	0.0006	<0.0005
Zirconium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.001	<0.0001	<0.0001

Table 4. Klaza Project - Flow Volume Measurement Summary 2012-2016

Station	Date															
	Jun-12	Jul-12	Sep-12	Apr-13	Jun-13	Oct-13	Jan-14	Apr-14	Jul-14	Oct-14	Feb-15	May-15	Aug-15	Jan-16	May-16	Sep-16
KZ#1	0.249	0.262	0.085	Dry	0.1308	0.0248	Dry	Dry	0.0466	0.0232	Dry	nr	0.2706	Dry	0.0854	0.009
KZ#2	0.073	0.091	0.039	nr	0.0079	nr	Dry	Dry	<0.001	Dry	Dry	nr	0.0093	Dry	0.0144	<0.001
KZ#3	0.243	0.084	0.073	nr	0.0142	nr	0.007	0.005	0.0077	0.0246	0.003*	nr	0.1005	0.0292	0.0955	0.0203
KZ#4	0.170	0.250	0.084	Dry	0.0352	nr	nr	nr	0.0041	0.0372	nr	nr	0.0958	Glacial Ice	0.1241	0.0454
KZ#5	0.328	0.494	0.150	nr	0.0957	nr	0.003	nr	0.0262	0.0316	0.002*	nr	0.2213	0.0035	0.1873	0.0576
KZ#6	0.209	0.308	0.075	Dry	0.0471	0.06	Dry	Dry	<0.001	0.0367	Dry	nr	nr	Dry	nr	0.0314
KZ#7	0.233	0.179	0.065	nr	0.0723	0.0423	nr	nr	0.0158	0.01*	Glaciated	nr	0.1391	Glacial Ice	0.0847	0.0643
KZ#8	0.423	0.437	0.247	nr	0.1600	0.0764	nr	0.07	nr	0.015*	nr	nr	0.1844	nr	nr	0.0554
KZ#9	1.848	1.146	0.428	0.0206	0.2528	0.2365	0.0765	0.0335	0.0849	0.1684	0.064	nr	0.4566	0.0868	0.3246	0.2613
KZ#10	0.029	0.009	0.011	Dry	Dry	<0.001	nr	Dry	Dry	Dry	Dry	Dry	0.0014	Dry	0.0162	0.0025
KZ#11										Dry	Dry	0.001	0.006	Dry	No Flow	<0.001
	(cms)	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*	*(cms)*

* = slush and/or anchor ice - unable to measure. Volumes estimated.

Table 5. Quality Control Samples - Lab Analysis Results September 2016

Parameter	Unit	Total Metals		Dissolved Metals	
		KZ - 9	KZ-9 Duplicate	KZ - 9	KZ-9 Duplicate
Calcium	mg/L	14.9	16.3	14.4	14.4
Iron	mg/L	14.4	21.3	2.17	0.011
Magnesium	mg/L	5.96	7.41	4.1	3.9
Manganese	mg/L	0.408	0.591	0.197	0.143
Potassium	mg/L	1.9	2.4	1.1	0.6
Silicon	mg/L	18.3	25	9.78	5.47
Sulfur	mg/L	1.9	2.1	2.1	2.1
Sodium	mg/L	2.85	2.95	2.4	2.4
Titanium	mg/L	0.296	0.402	0.067	0.003
Aluminum	mg/L	13.4	17.9	1.469	0.005104
Antimony	mg/L	0.00149	0.00186	0.000304	0.000137
Arsenic	mg/L	0.0344	0.0444	0.0046	0.001
Barium	mg/L	0.216	0.29	0.0672	0.052
Beryllium	mg/L	0.00033	0.00049	0.000056	<0.000050
Bismuth	mg/L	0.0006	0.001	<0.0001	<0.0001
Boron	mg/L	0.005	0.005	<0.002	<0.002
Cadmium	mg/L	0.00062	0.001	0.000173	0.000078
Chromium	mg/L	0.00995	0.0143	0.001042	<0.000050
Cobalt	mg/L	0.00543	0.00825	0.000718	0.000147
Copper	mg/L	0.0171	0.0264	0.0029	0.001
Lead	mg/L	0.0385	0.0601	0.006252	0.000049
Lithium	mg/L	0.0076	0.0101	0.0014	<0.0005
Mercury	mg/L	<0.00001	nr	nr	nr
Molybdenum	mg/L	0.00156	0.00196	0.00076	0.000875
Nickel	mg/L	0.0054	0.008	0.0007	<0.0002
Selenium	mg/L	0.0007	0.001	<0.0002	<0.0002
Silver	mg/L	0.000334	0.000556	0.000024	<0.00001
Strontium	mg/L	0.12	0.134	0.1314	0.1299
Thallium	mg/L	0.000308	0.000417	0.000028	<0.00001
Tin	mg/L	0.0003	0.0004	<0.0001	<0.0001
Uranium	mg/L	0.00189	0.00303	0.000871	0.000593
Vanadium	mg/L	0.0288	0.042	0.003739	0.000472
Zinc	mg/L	0.0721	0.112	0.0078	<0.0005
Zirconium	mg/L	0.0067	0.0101	0.001	<0.0001

denotes >10% variation between samples

Note: TSS at KZ-9 is 82 mg/L

Table 6 . Rock Haven Resources. Klaza Project - Stream Sediment Analysis. September 2016

		KZ-1			KZ-9		
Parameter	***Units***	***REP#1***	***REP#2***	***REP#3***	***REP#1***	***REP#2***	***REP#3***
Sieve 75 micron	***%Ret***	67	58.5	62.4	53.6	53.4	57.4
Texture		Coarse-Grained	Coarse-Grained	Coarse-Grained	Coarse-Grained	Coarse-Grained	Coarse-Grained
Aluminum	ug/g	13000	10400	9860	9460	9100	8580
Antimony	ug/g	3.2	2.5	2.1	2.1	1.8	2
Arsenic	ug/g	7	7.76	6.34	11.8	11.9	9.77
Barium	ug/g	105	96.1	91.2	157	157	141
Beryllium	ug/g	0.405	0.356	0.319	0.274	0.262	0.239
Bismuth	ug/g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	ug/g	0.4	0.4	0.3	0.69	0.7	0.55
Calcium	ug/g	3270	2830	3080	3760	3490	3380
Chromium	ug/g	20	16.3	16.5	14.4	14	13.4
Cobalt	ug/g	7.27	7.14	6.31	5.57	5.52	5.15
Copper	ug/g	9.19	11.8	8.64	10.3	10.3	8.47
Iron	ug/g	39600	31300	26800	17300	17300	15700
Lead	ug/g	9.56	9.13	7.8	15.8	16.2	13.8
Lithium	ug/g	9.73	8.17	7.7	7.55	7.47	7.03
Magnesium	ug/g	4170	3890	3500	3070	3030	2900
Manganese	ug/g	402	418	346	293	291	251
Molybdenum	ug/g	0.2	0.3	0.2	0.5	0.5	0.3
Nickel	ug/g	8.7	7.7	7.6	6.6	6.3	6.3
Phosphorus	ug/g	793	631	698	667	618	639
Potassium	ug/g	534	500	480	629	614	577
Selenium	ug/g	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	ug/g	<0.1	<0.1	<0.1	0.76	<0.1	<0.1
Sodium	ug/g	138	135	149	203	189	180
Strontium	ug/g	23.9	22	22.1	27.4	26	23.9
Sulfur	ug/g	121	106	99	169	158	124
Thallium	ug/g	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tin	ug/g	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Titanium	ug/g	390	331	354	506	491	480
Vanadium	ug/g	56.7	50.4	49.1	37.4	36.6	34.7
Zinc	ug/g	50.6	46.5	43.7	59.4	60.5	53.2
Zirconium	ug/g	1.2	0.98	1	1.5	1.3	1.3

Table 7. Rock Haven Resources - Klaza Project. Groundwater Well Measurements to September 2016.

Well #	Total Drilled Depth (m) Nov-15	Standing Water Level (m) Nov-15	Standing Water Level (m) 02-Jan-16	Standing Water Level (m) 12-May-16	Standing Water Level (m) 18-Sep-16	Comments 18-Sep-16
MW 15-01 D	75.9	18.85	14.61	18.38	9.94	Not Sampled
MW 15-01 S		Dry	5.64	5.64	5.66	Dry
MW 15-02 D	66.75	59.83	66.00	66.00	65.92	moist at soil contact
MW 15-02 S	5.67	1.23	4.44	4.44	1.92	Sampled
MW 15-03 D	33.32	29.14	28.68	29.7	29.1	Dry/ Frozen
MW 15-03 S	5.8	2.16	4.95	3.66	3.19	Sampled
MW 15-04 D	84.43	14.05	14.1	14.09	14.13	Dry/ Frozen
MW 15-04 S	4.20	2.16	3.42	3.42	3.91	Sampled/ice crystals present
MW 15-05 D	48.46	13.61	13.81	13.81	5.21	Logger Frozen in @ 5.21 m
MW 15-05 S	3.65	1.04	2.67	2.67	3.65	Dry/ Frozen

Table 8 . RockHaven Resources - Klaza Property. Groundwater Wells Routine Chemistry / Field Measurements September 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S	DWQ * Guidelines
Total Depth	meters	75.9	5.66	66.75	5.67	33.32	5.80	84.43	4.20	48.46	3.65	
Standing Water Level	meters	9.94	5.66	65.72	1.92	29.1	3.19	14.13	3.91	5.21	3.65	
Volume Purged (L)	liters	0	Dry	Dry	12	Dry / Frozen	8	Frozen	2	Frozen	Frozen	
pH (field)	ru				7.11		7.67		7.98			
pH (lab)	ru				6.31		7.08		7.55			6.5-8.5
Conductivity (lab)	us/cm	Not			219		465		410			
Water Temp	C	Sampled			1.4		2.1		1.1			
Organic Carbon (Diss)	mg/L				4		3.2		6			
Phosphorus Total	mg/L	could not			0.21		0.13		<0.05			
OrthoPhosphate (Diss)		get			<0.01		<0.01		<0.01			
Ammonia - N	mg/L	water to			0.064		<0.025		<0.025			
Nitrate + Nitrite	mg/L	surface			0.57		0.49		0.31			10
Sulfate (SO4)	mg/L				38		65.1		22.2			
T-Alkalinity	mg/L				60		172		195			
P-Alkalinity	mg/L				<5		<5		<5			
BiCarbonate	mg/L				73		210		238			
Carbonate	mg/L				<6		<6		<6			
Chloride	mg/L				0.79		0.49		0.28			<250
Flouride	mg/L				<0.01		<0.01		0.06			
T.Hardness as CaC03	mg/L				91		259		229			<500
T.Dissolved Solids	mg/L				230		314		280			500
T.Kjeldahl Nitrogen	mg/L				1.71		0.4		0.35			
Acidity	mg/L CaCo3				54		38		14			
Ionic Balance (Diss)	%											

DWQ* Guidelines are Maximum Acceptable Concentration according to Canadian Drinking Water Quality

indicates concentration equal or exceeds Guidelines

Table 9. RockHaven Resources - Klaza Property. Groundwater Wells Total Metals Analysis September 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S	DWQ *
			Dry	Dry	Sampled	Dry / Frozen	Sampled	Frozen	Sampled	Frozen	Frozen	Guidelines
Calcium	mg/L				26.9		57.2		67.6			
Iron	mg/L				0.917		5.69		0.648			0.3
Magnesium	mg/L				6.25		9.2		17.1			
Manganese	mg/L				1.05		0.101		0.048			0.05
Potassium	mg/L				4.6		2.2		1.1			
Silicon	mg/L				9.29		7.22		6.25			
Sodium	mg/L				6.93		2.54		4.17			<200
Sulfur	mg/L				15		17.3		8.9			
Aluminum	mg/L				0.478		1.82		0.394			
Antimony	mg/L				0.00045		0.00087		0.00063			0.006
Arsenic	mg/L				0.0047		0.0068		0.0011			0.01
Barium	mg/L				0.453		0.129		0.135			
Beryllium	mg/L				<0.00005		0.00017		<0.00005			
Bismuth	mg/L				<0.0001		<0.0001		<0.0001			
Boron	mg/L				0.003		0.003		0.003			5
Cadmium	mg/L				0.0147		0.0011		0.00148			0.005
Chromium	mg/L				0.00377		0.00307		0.00163			0.05
Cobalt	mg/L				0.00223		0.00082		0.00039			
Copper	mg/L				0.0162		0.0106		0.0044			1
Lead	mg/L				0.00833		0.00877		0.00179			0.01
Lithium	mg/L				0.0025		0.003		0.0035			
Mercury	mg/L				<0.00001		<0.00001		<0.00001			0.001
Molybdenum	mg/L				0.000292		0.000557		0.00066			
Nickel	mg/L				0.0042		0.0024		0.0015			
Selenium	mg/L				<0.0002		<0.0002		<0.0002			0.01
Silver	mg/L				0.00018		0.00231		0.000097			
Strontium	mg/L				0.129		0.169		0.234			
Titanium	mg/L				0.656		0.072		0.024			
Tellurium	mg/L				<0.000050		<0.000050		<0.000050			
Thallium	mg/L				0.000029		0.000076		0.000014			
Thorium	mg/L				0.000103		0.000651		0.000065			
Tin	mg/L				0.001		0.0018		0.0031			
Uranium	mg/L				0.000236		0.00513		0.00551			0.02
Vanadium	mg/L				0.00121		0.00314		0.0009			
Zinc	mg/L				3.58		0.435		0.0267			<5
Zirconium	mg/L				0.0022		0.0005		<0.0001			

indicates concentration equal or exceeds Guidelines

Table 10. RockHaven Resources - Klaza Property. Groundwater Wells Dissolved Metals Analysis September 2016

Parameter	Unit	MW15-01D	MW15-01S	MW15-02D	MW15-02S	MW15-03D	MW15-03S	MW15-04D	MW15-04S	MW15-05D	MW15-05S
			Dry	Dry	Sampled	Dry / Frozen	Sampled	Frozen	Sampled	Frozen	Frozen
Calcium	mg/L				26.5		83		64.8		
Iron	mg/L				0.336		0.057		<0.002		
Magnesium	mg/L				6		12.6		16.3		
Manganese	mg/L				1.01		0.092		0.009		
Potassium	mg/L				6.1		1.6		1.1		
Silicon	mg/L				8.04		4.49		5.23		
Sodium	mg/L				6.7		3.3		3.5		
Sulfur	mg/L				14.2		24.2		8.5		
Aluminum	mg/L				0.1091		0.007074		0.002589		
Antimony	mg/L				0.000255		0.000536		0.000438		
Arsenic	mg/L				0.0025		0.0003		0.0002		
Barium	mg/L				0.4078		0.0541		0.1031		
Beryllium	mg/L				<0.000050		<0.000050		<0.000050		
Bismuth	mg/L				<0.0001		<0.0001		<0.0001		
Boron	mg/L				0.004		0.003		0.002		
Cadmium	mg/L				0.005838		0.000404		0.000462		
Chromium	mg/L				0.001543		0.00007		<0.000050		
Cobalt	mg/L				0.001928		0.00032		0.000064		
Copper	mg/L				0.0088		0.003		0.0012		
Lead	mg/L				0.002586		0.000056		0.00003		
Lithium	mg/L				0.0022		0.0021		0.0031		
Molybdenum	mg/L				0.000283		0.000388		0.000413		
Nickel	mg/L				0.0038		0.0012		<0.0002		
Selenium	mg/L				<0.0002		<0.0002		<0.0002		
Silver	mg/L				<0.00001		<0.00001		<0.00001		
Strontium	mg/L				0.1353		0.2535		0.2434		
Titanium	mg/L				0.099		0.015		0.011		
Tellurium	mg/L				<0.000050		<0.000050		<0.000050		
Thallium	mg/L				0.000011		<0.00001		<0.00001		
Thorium	mg/L				<0.000050		<0.000050		<0.000050		
Tin	mg/L				0.0003		0.0003		0.0004		
Uranium	mg/L				0.000151		0.007196		0.005619		
Vanadium	mg/L				0.0004		<0.000050		<0.000050		
Zinc	mg/L				4.321		0.193		0.0158		
Zirconium	mg/L				0.0006		<0.0001		<0.0001		

Table 11.Rock Haven Resources - Klaza Project. Thermistor String Measurements.

Well # GTC 15-01 Channel #	Nov-15 (k ohm)	Jan-16 (k ohm)	May-16 (k ohm)	Sep-16 (k ohm)
1	16.45	16.83	17.53	16.24
2	16.52	17.02	17.1	16.63
3	16.63	17.91	16.89	16.92
4	16.75	16.97	16.88	16.87
5	16.77	17.34	16.87	16.88
6	16.76	16.88	16.87	16.87
7	16.62	16.93	16.76	16.76
8	16.56	16.67	16.66	16.66
9	16.39	16.48	16.45	16.45
10	16.27	16.32	16.31	16.31

Note: Thermistor readings require conversion by EBA / Tetra Tech

Laboratory Analytical Results

Surface Waters

Parameters that equal or exceed either ***Drinking Water or Aquatic Guidelines*** are highlighted in yellow in Tables 1 and 2. All Guideline metals values are Totals.

All Stations had surface water flow and were sampled.

Stations KZ-1, 2, 3, 5, and 7 meet all ***Drinking Water Guidelines*** and ***Aquatic Guidelines***.

Station KZ-4 exceeds the ***Drinking Water Guidelines*** for manganese.

Stations KZ-6 exceeds the ***Drinking Water Guidelines*** for iron and manganese and the ***Aquatic Guidelines*** for iron.

Station KZ-8 and **KZ-10** exceed the ***Drinking Water Guidelines*** and ***Aquatic Guidelines*** for iron.
Stations KZ-11 (placer effluent) and **KZ-9** (Klaza River downstream) exceed both Guidelines for parameters iron, manganese, arsenic, copper, lead and zinc. **Station KZ-11** also exceeds guidelines for cadmium, chromium, selenium and silver.
Station KZ-9 had a high sediment load with high turbidity.

All stations sampled reported total cyanide at less than laboratory detection limits (0.002 mg/L).
All stations sampled (KZ-1, 8 and 9) reported total mercury at less than detection limit (0.00001 mg/L).

Quality Control

Quality Control samples were taken at Station KZ-9. Results are listed in Table 5. There was a high degree of variation between samples – likely due to the high sediment load.

Groundwater Wells

Groundwater wells MW15-01D, MW15-02S, MW15-03S and MW15-04S were the only wells not dry or frozen in September.
Wells MW15-01S and MW15-02D were dry; the other wells were frozen.
Analysis results and field measurements are listed in Tables 6, 7, 8 and 9.
Laboratory analytical results are compared to Drinking Water Quality Guidelines.

Well MW15-02S exceeded Guidelines for pH, iron, manganese and cadmium.

Well MW15-03S exceeded Guidelines for iron and manganese.

Well MW15-04S exceeded Guidelines for iron.

Thermistor

Thermistor string readings were taken at Well GTC15-01. Results for January, May and September 2016 are listed in Table 10. Site readings require conversion.

Vibrating Wire Piezometers

The three vibrating wire piezometers were located but attempts to download data were unsuccessful – likely due to a soft ware problem.

Onset Weather Station

The **Onset / Hobo** weather station installed near camp on June, 2013 was downloaded on September 19, 2016.
A 2016 weather data report will be issued at the end of 2016.

APPENDIX 1

LABORATORY ANALYTICAL REPORTS

KLAZA PROPERTY

September, 2016

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Report Transmission Cover Page

Bill To:	J. Gibson & Associates
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2
Attn:	John Gibson
Sampled By:	J.Gibson
Company:	

Project:	
ID:	Rockhaven Resources Klaza
Name:	Surface Water
Location:	
LSD:	
P.O.:	
Acct code:	

Lot ID:	**1162096**
Control Number:	C0059205
Date Received:	Sep 21, 2016
Date Reported:	Sep 28, 2016
Report Number:	2134014

Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (Test Report) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

Notes To Clients:

- Reduction of analytical volume was necessary for Total Suspended Solids analysis due to matrix effects in 1162096, sample 12. Detection limits are adjusted accordingly.
- Reduction of analytical volume was necessary for Total Suspended Solids analysis due to limited sample volume for lot 1162096, samples 1 through 11. Detection limits are adjusted accordingly.
- Reduction of analytical volume was necessary for Trace Metals analysis to bring results within the analytical range for samples #1162096-9, 10, and 12. Detection limits are adjusted accordingly.
- Sample 1162096-12; 5515840 Reduction of analytical volume was necessary for TP to bring results within the analytical range for sample 1162096-12. Detection limits are adjusted accordingly.

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rockhaven Resources Klaza
Name: Surface Water
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

	Reference Number	1162096-1	1162096-2	1162096-3	
	Sample Date	Sep 18, 2016	Sep 18, 2016	Sep 19, 2016	
	Sample Time	14:40	14:40	18:20	
	Sample Location	Surface	Surface	Surface	
	Sample Description	KZ-1	KZ-2	KZ-3	
	Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Organic Carbon	Total Nonpurgeable	mg/L	1.2	2.0	1.9	0.5
Cyanide	Total	mg/L	<0.002	<0.002	<0.002	0.002
Ammonia - N		mg/L	<0.01	0.01	<0.01	0.01
Phosphorus	Total	mg/L	<0.003	<0.003	0.005	0.003
Metals Total						
Calcium	Total	mg/L	10.5	17.6	17.4	0.01
Magnesium	Total	mg/L	2.36	2.92	5.37	0.02
Potassium	Total	mg/L	0.3	0.4	0.5	0.04
Silicon	Total	mg/L	4.52	3.97	6.63	0.005
Sulfur	Total	mg/L	0.8	1.6	1.9	0.02
Sodium	Total	mg/L	1.70	1.69	2.86	0.1
Titanium	Total	mg/L	<0.002	0.003	0.003	0.002
Mercury	Total	mg/L	<0.00001			0.00001
Physical and Aggregate Properties						
Solids	Total Suspended	mg/L	<4	<4	<4	2
Solids	Total Dissolved	mg/L	78	86	92	5
Routine Water						
pH - Holding Time			Exceeded	Exceeded	Exceeded	
pH	at 25 °C		7.31	7.39	7.24	
Electrical Conductivity		µS/cm at 25 C	70	107	129	1
Calcium	Dissolved	mg/L	10.2	17.1	16.8	0.01
Magnesium	Dissolved	mg/L	2.2	2.8	5.1	0.02
Potassium	Dissolved	mg/L	0.3	0.4	0.5	0.04
Silicon	Dissolved	mg/L	4.24	3.73	6.11	0.005
Sodium	Dissolved	mg/L	1.5	1.3	2.6	0.1
Sulfur	Dissolved	mg/L	0.7	1.5	1.8	0.02
Bicarbonate		mg/L	42	61	74	5
Carbonate		mg/L	<6	<6	<6	6
Hydroxide		mg/L	<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L	<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L	34	50	61	5
Chloride	Dissolved	mg/L	0.12	0.14	0.15	0.05
Nitrate - N	Dissolved	mg/L	0.10	0.18	0.17	0.01
Nitrite - N	Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Sulfate (SO4)	Dissolved	mg/L	1.4	3.1	3.9	0.5
Hardness	as CaCO3 (dissolved)	mg/L	34.8	54	63	5

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ID: Rockhaven Resources Klaza
Name: Surface Water
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162096**
Control Number: C0059205
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			Reference Number	1162096-1	1162096-2	1162096-3	
			Sample Date	Sep 18, 2016	Sep 18, 2016	Sep 19, 2016	
			Sample Time	14:40	14:40	18:20	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-1	KZ-2	KZ-3	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued							
Hardness	Total	mg CaCO3/L		36.0	55.9	65.6	1
Trace Metals Dissolved							
Digestion	Dissolved			Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L		0.002	0.003	0.003	0.002
Aluminum	Dissolved	mg/L		0.008726	0.006318	0.01272	0.001
Antimony	Dissolved	mg/L		0.000049	0.000110	0.000058	0.00002
Arsenic	Dissolved	mg/L		<0.0001	0.001	<0.0001	0.0001
Barium	Dissolved	mg/L		0.0259	0.0719	0.0524	0.0001
Beryllium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Bismuth	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Boron	Dissolved	mg/L		<0.002	<0.002	<0.002	0.002
Cadmium	Dissolved	mg/L		<0.00001	0.000021	<0.00001	0.00001
Chromium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Cobalt	Dissolved	mg/L		<0.000020	<0.000020	<0.000020	0.00002
Copper	Dissolved	mg/L		<0.0005	<0.0005	<0.0005	0.0005
Iron	Dissolved	mg/L		<0.002	<0.002	0.011	0.002
Lead	Dissolved	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Lithium	Dissolved	mg/L		<0.0005	<0.0005	0.0007	0.0005
Manganese	Dissolved	mg/L		<0.001	<0.001	0.004	0.001
Molybdenum	Dissolved	mg/L		0.000099	0.000295	0.000301	0.00002
Nickel	Dissolved	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Selenium	Dissolved	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Silver	Dissolved	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L		0.0696	0.0640	0.1487	0.0001
Tellurium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Thallium	Dissolved	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Tin	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L		0.000123	0.000163	0.000873	0.00001
Vanadium	Dissolved	mg/L		0.000084	<0.000050	0.000118	0.00005
Zinc	Dissolved	mg/L		<0.0005	0.0009	<0.0005	0.0005
Zirconium	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Trace Metals Total							
Aluminum	Total	mg/L		0.010	0.007	0.027	0.001
Antimony	Total	mg/L		0.00005	0.00011	0.00007	0.00002
Arsenic	Total	mg/L		<0.0001	0.001	0.0001	0.0001

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LSD:
P.O.:
Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

	Reference Number	1162096-1	1162096-2	1162096-3	
	Sample Date	Sep 18, 2016	Sep 18, 2016	Sep 19, 2016	
	Sample Time	14:40	14:40	18:20	
	Sample Location	Surface	Surface	Surface	
	Sample Description	KZ-1	KZ-2	KZ-3	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued					
Barium Total	mg/L	0.0276	0.0768	0.0546	0.0001
Beryllium Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Bismuth Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron Total	mg/L	<0.002	<0.002	<0.002	0.002
Cadmium Total	mg/L	<0.00001	0.00003	<0.00001	0.00001
Chromium Total	mg/L	<0.00005	<0.00005	0.00014	0.00005
Cobalt Total	mg/L	<0.00002	<0.00002	0.00004	0.00002
Copper Total	mg/L	<0.0002	0.0003	0.0002	0.0002
Iron Total	mg/L	0.004	<0.002	0.064	0.002
Lead Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Lithium Total	mg/L	<0.0005	<0.0005	0.0007	0.0005
Manganese Total	mg/L	<0.001	<0.001	0.01	0.001
Molybdenum Total	mg/L	0.000097	0.000314	0.000315	0.00002
Nickel Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Selenium Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Strontium Total	mg/L	0.0676	0.0603	0.142	0.0001
Tellurium Total	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Thallium Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium Total	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Tin Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium Total	mg/L	0.000125	0.000175	0.000923	0.00001
Vanadium Total	mg/L	0.000122	0.000059	0.000246	0.00005
Zinc Total	mg/L	<0.0005	0.0008	<0.0005	0.0005
Zirconium Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001

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Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

	Reference Number	1162096-4	1162096-5	1162096-6	
	Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
	Sample Time	17:35	15:50	15:55	
	Sample Location	Surface	Surface	Surface	
	Sample Description	KZ-4	KZ-5	KZ-6	
	Matrix	Water	Water	Water	
Analyte	**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters					
Organic Carbon Total Nonpurgeable	mg/L	3.9	2.4	4.5	0.5
Cyanide Total	mg/L	<0.002	<0.002	<0.002	0.002
Ammonia - N	mg/L	<0.01	<0.01	0.01	0.01
Phosphorus Total	mg/L	0.003	0.006	0.006	0.003
Metals Total					
Calcium Total	mg/L	18.2	7.80	19.4	0.01
Magnesium Total	mg/L	3.88	1.95	4.18	0.02
Potassium Total	mg/L	0.4	0.4	0.5	0.04
Silicon Total	mg/L	6.25	4.97	6.27	0.005
Sulfur Total	mg/L	3.9	1.5	3.5	0.02
Sodium Total	mg/L	2.45	1.84	2.59	0.1
Titanium Total	mg/L	0.004	0.002	0.004	0.002
Physical and Aggregate Properties					
Solids Total Suspended	mg/L	5	<4	<4	2
Solids Total Dissolved	mg/L	90	54	110	5
Routine Water					
pH - Holding Time		Exceeded	Exceeded	Exceeded	
pH at 25 °C		7.39	6.97	7.36	
Electrical Conductivity	µS/cm at 25 C	122	58	132	1
Calcium Dissolved	mg/L	17.4	7.5	18.8	0.01
Magnesium Dissolved	mg/L	3.6	1.8	3.9	0.02
Potassium Dissolved	mg/L	0.4	0.4	0.5	0.04
Silicon Dissolved	mg/L	5.76	4.60	5.78	0.005
Sodium Dissolved	mg/L	2.2	1.6	2.2	0.1
Sulfur Dissolved	mg/L	3.6	1.4	3.3	0.02
Bicarbonate	mg/L	61	34	67	5
Carbonate	mg/L	<6	<6	<6	6
Hydroxide	mg/L	<5	<5	<5	5
P-Alkalinity as CaCO3	mg/L	<5	<5	<5	5
T-Alkalinity as CaCO3	mg/L	50	28	55	5
Chloride Dissolved	mg/L	0.13	0.13	0.14	0.05
Nitrate - N Dissolved	mg/L	0.01	0.04	<0.01	0.01
Nitrite - N Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Sulfate (SO4) Dissolved	mg/L	8.8	3.2	7.8	0.5
Hardness as CaCO3 (dissolved)	mg/L	58	26	63	5
Hardness Total	mg CaCO3/L	61.3	27.5	65.7	1

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			Reference Number	1162096-4	1162096-5	1162096-6	
			Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
			Sample Time	17:35	15:50	15:55	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-4	KZ-5	KZ-6	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Dissolved							
Digestion	Dissolved			Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L		0.003	0.002	0.004	0.002
Aluminum	Dissolved	mg/L		0.008367	0.01410	0.008671	0.001
Antimony	Dissolved	mg/L		0.000134	0.000057	0.000139	0.00002
Arsenic	Dissolved	mg/L		0.0008	0.0002	0.0019	0.0001
Barium	Dissolved	mg/L		0.0922	0.0320	0.1056	0.0001
Beryllium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Bismuth	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Boron	Dissolved	mg/L		<0.002	<0.002	<0.002	0.002
Cadmium	Dissolved	mg/L		0.000015	0.000012	0.000026	0.00001
Chromium	Dissolved	mg/L		<0.000050	0.000134	0.000056	0.00005
Cobalt	Dissolved	mg/L		0.000057	0.000024	0.000233	0.00002
Copper	Dissolved	mg/L		0.0007	0.0005	0.0007	0.0005
Iron	Dissolved	mg/L		0.047	0.012	0.575	0.002
Lead	Dissolved	mg/L		<0.00001	0.000084	0.000070	0.00001
Lithium	Dissolved	mg/L		<0.0005	<0.0005	<0.0005	0.0005
Manganese	Dissolved	mg/L		0.081	0.003	0.356	0.001
Molybdenum	Dissolved	mg/L		0.000290	0.000082	0.000411	0.00002
Nickel	Dissolved	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Selenium	Dissolved	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Silver	Dissolved	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L		0.1320	0.0540	0.1418	0.0001
Tellurium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Thallium	Dissolved	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Tin	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L		0.000309	0.000057	0.000535	0.00001
Vanadium	Dissolved	mg/L		<0.000050	0.000121	0.000132	0.00005
Zinc	Dissolved	mg/L		0.0006	0.001	0.0013	0.0005
Zirconium	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Trace Metals Total							
Aluminum	Total	mg/L		0.025	0.034	0.035	0.001
Antimony	Total	mg/L		0.00014	0.00006	0.00015	0.00002
Arsenic	Total	mg/L		0.0009	0.0002	0.0020	0.0001
Barium	Total	mg/L		0.0980	0.0332	0.111	0.0001
Beryllium	Total	mg/L		<0.00005	<0.00005	<0.00005	0.00005

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			Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
			Sample Time	17:35	15:50	15:55	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-4	KZ-5	KZ-6	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued							
Bismuth	Total	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Boron	Total	mg/L		<0.002	<0.002	<0.002	0.002
Cadmium	Total	mg/L		0.00002	0.00002	0.00003	0.00001
Chromium	Total	mg/L		<0.00005	0.00011	0.00012	0.00005
Cobalt	Total	mg/L		0.00008	0.00003	0.00026	0.00002
Copper	Total	mg/L		0.0008	0.0006	0.0009	0.0002
Iron	Total	mg/L		0.105	0.034	0.794	0.002
Lead	Total	mg/L		0.000128	0.000011	0.000205	0.00001
Lithium	Total	mg/L		0.0006	<0.0005	0.0006	0.0005
Manganese	Total	mg/L		0.090	0.004	0.365	0.001
Molybdenum	Total	mg/L		0.000321	0.000070	0.000423	0.00002
Nickel	Total	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Selenium	Total	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Silver	Total	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Strontium	Total	mg/L		0.126	0.0513	0.132	0.0001
Tellurium	Total	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Thallium	Total	mg/L		<0.00001	<0.00001	<0.00001	0.00001
Thorium	Total	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Tin	Total	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Uranium	Total	mg/L		0.000325	0.000065	0.000543	0.00001
Vanadium	Total	mg/L		0.000145	0.000235	0.000273	0.00005
Zinc	Total	mg/L		0.0011	<0.0005	0.0011	0.0005
Zirconium	Total	mg/L		0.0002	<0.0001	<0.0001	0.0001

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rockhaven Resources Klaza
Name: Surface Water
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

			Reference Number	1162096-7	1162096-8	1162096-9	
			Sample Date	Sep 20, 2016	Sep 20, 2016	Sep 19, 2016	
			Sample Time	09:30	09:55	10:40	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-7	KZ-8	KZ-9	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters							
Organic Carbon	Total Nonpurgeable	mg/L		5.9	6.9	4.6	0.5
Cyanide	Total	mg/L		<0.002	<0.002	<0.002	0.002
Ammonia - N		mg/L		<0.01	<0.01	0.02	0.01
Phosphorus	Total	mg/L		0.005	0.060	0.243	0.003
Metals Total							
Calcium	Total	mg/L		22.5	20.2	14.9	0.01
Magnesium	Total	mg/L		5.07	4.66	5.96	0.02
Potassium	Total	mg/L		0.4	0.5	1.9	0.04
Silicon	Total	mg/L		6.12	7.24	18.3	0.005
Sulfur	Total	mg/L		11.0	10.0	1.9	0.02
Sodium	Total	mg/L		2.91	2.79	2.85	0.1
Titanium	Total	mg/L		0.004	0.015	0.296	0.002
Mercury	Total	mg/L			<0.00001	<0.00001	0.00001
Physical and Aggregate Properties							
Solids	Total Suspended	mg/L		4	28	82	2
Solids	Total Dissolved	mg/L		112	116	114	5
Routine Water							
pH - Holding Time				Exceeded	Exceeded	Exceeded	
pH	at 25 °C			7.31	7.26	7.11	
Electrical Conductivity		µS/cm at 25 C		160	146	95	1
Calcium	Dissolved	mg/L		22.1	20.2	14.4	0.01
Magnesium	Dissolved	mg/L		4.8	4.4	4.1	0.02
Potassium	Dissolved	mg/L		0.4	0.4	1.1	0.04
Silicon	Dissolved	mg/L		5.75	6.33	9.78	0.005
Sodium	Dissolved	mg/L		2.7	2.6	2.4	0.1
Sulfur	Dissolved	mg/L		10.5	9.4	2.1	0.02
Bicarbonate		mg/L		54	50	52	5
Carbonate		mg/L		<6	<6	<6	6
Hydroxide		mg/L		<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L		<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L		45	41	43	5
Chloride	Dissolved	mg/L		0.13	0.13	0.14	0.05
Nitrate - N	Dissolved	mg/L		0.02	<0.01	0.04	0.01
Nitrite - N	Dissolved	mg/L		<0.01	<0.01	<0.01	0.01
Sulfate (SO4)	Dissolved	mg/L		26.5	22.7	4.0	0.5
Hardness	as CaCO3 (dissolved)	mg/L		75	69	53	5

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Project:
ID: Rockhaven Resources Klaza
Name: Surface Water
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

			Reference Number	1162096-7	1162096-8	1162096-9	
			Sample Date	Sep 20, 2016	Sep 20, 2016	Sep 19, 2016	
			Sample Time	09:30	09:55	10:40	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-7	KZ-8	KZ-9	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued							
Hardness	Total	mg CaCO3/L		77.0	69.7	61.7	1
Trace Metals Dissolved							
Digestion	Dissolved			Field Filtered	Field Filtered	Lab filtered & preserved	
Titanium	Dissolved	mg/L		0.004	0.005	0.067	0.002
Aluminum	Dissolved	mg/L		0.01134	0.04239	1.469	0.001
Antimony	Dissolved	mg/L		0.000119	0.000180	0.000304	0.00002
Arsenic	Dissolved	mg/L		0.0005	0.0006	0.0046	0.0001
Barium	Dissolved	mg/L		0.0266	0.0261	0.0672	0.0001
Beryllium	Dissolved	mg/L		<0.000050	<0.000050	0.000056	0.00005
Bismuth	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Boron	Dissolved	mg/L		<0.002	<0.002	<0.002	0.002
Cadmium	Dissolved	mg/L		0.000038	0.000045	0.000173	0.00001
Chromium	Dissolved	mg/L		<0.000050	0.000108	0.001042	0.00005
Cobalt	Dissolved	mg/L		0.000028	0.000091	0.000718	0.00002
Copper	Dissolved	mg/L		0.0007	0.0024	0.0029	0.0005
Iron	Dissolved	mg/L		0.029	0.075	2.17	0.002
Lead	Dissolved	mg/L		<0.00001	0.000059	0.006252	0.00001
Lithium	Dissolved	mg/L		<0.0005	<0.0005	0.0014	0.0005
Manganese	Dissolved	mg/L		0.033	0.031	0.197	0.001
Molybdenum	Dissolved	mg/L		0.000203	0.000259	0.000760	0.00002
Nickel	Dissolved	mg/L		<0.0002	0.0002	0.0007	0.0002
Selenium	Dissolved	mg/L		<0.0002	<0.0002	<0.0002	0.0002
Silver	Dissolved	mg/L		<0.00001	<0.00001	0.000024	0.00001
Strontium	Dissolved	mg/L		0.1576	0.1434	0.1314	0.0001
Tellurium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Thallium	Dissolved	mg/L		<0.00001	<0.00001	0.000028	0.00001
Thorium	Dissolved	mg/L		<0.000050	<0.000050	<0.000050	0.00005
Tin	Dissolved	mg/L		<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L		0.000250	0.000248	0.000871	0.00001
Vanadium	Dissolved	mg/L		0.000139	0.000241	0.003739	0.00005
Zinc	Dissolved	mg/L		0.0005	0.0011	0.0078	0.0005
Zirconium	Dissolved	mg/L		<0.0001	0.0002	0.0010	0.0001
Trace Metals Total							
Aluminum	Total	mg/L		0.016	0.295	13.4	0.001
Antimony	Total	mg/L		0.00013	0.00024	0.00149	0.00002

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Name: Surface Water
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Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

		Reference Number	1162096-7	1162096-8	1162096-9	
		Sample Date	Sep 20, 2016	Sep 20, 2016	Sep 19, 2016	
		Sample Time	09:30	09:55	10:40	
		Sample Location	Surface	Surface	Surface	
		Sample Description	KZ-7	KZ-8	KZ-9	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued						
Arsenic	Total	mg/L	0.0005	0.0011	0.0344	0.0001
Barium	Total	mg/L	0.0280	0.0297	0.216	0.0001
Beryllium	Total	mg/L	<0.00005	<0.00005	0.00033	0.00005
Bismuth	Total	mg/L	<0.0001	<0.0001	0.0006	0.0001
Boron	Total	mg/L	<0.002	<0.002	0.005	0.002
Cadmium	Total	mg/L	0.00005	0.00007	0.00062	0.00001
Chromium	Total	mg/L	<0.00005	0.00040	0.00995	0.00005
Cobalt	Total	mg/L	0.00004	0.00020	0.00543	0.00002
Copper	Total	mg/L	0.0007	0.0040	0.0171	0.0002
Iron	Total	mg/L	0.038	0.387	14.4	0.002
Lead	Total	mg/L	0.000056	0.000792	0.0385	0.00001
Lithium	Total	mg/L	<0.0005	0.0006	0.0076	0.0005
Manganese	Total	mg/L	0.033	0.034	0.408	0.001
Molybdenum	Total	mg/L	0.000219	0.000337	0.00156	0.00002
Nickel	Total	mg/L	<0.0002	0.0003	0.0054	0.0002
Selenium	Total	mg/L	<0.0002	<0.0002	0.0007	0.0002
Silver	Total	mg/L	<0.00001	0.000012	0.000334	0.00001
Strontium	Total	mg/L	0.151	0.138	0.120	0.0001
Tellurium	Total	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Thallium	Total	mg/L	<0.00001	<0.00001	0.000308	0.00001
Thorium	Total	mg/L	<0.000050	<0.000050	0.00312	0.00005
Tin	Total	mg/L	<0.0001	<0.0001	0.0003	0.0001
Uranium	Total	mg/L	0.000256	0.000276	0.00189	0.00001
Vanadium	Total	mg/L	0.000189	0.000837	0.0288	0.00005
Zinc	Total	mg/L	<0.0005	0.0030	0.0721	0.0005
Zirconium	Total	mg/L	<0.0001	0.0002	0.0067	0.0001

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Name: Surface Water
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LSD:
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Acct code:

Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

			Reference Number	1162096-10	1162096-11	1162096-12	
			Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
			Sample Time	10:45	16:30	11:10	
			Sample Location	Surface	Surface	Surface	
			Sample Description	KZ-9 duplicate	KZ-10	KZ-11	
			Matrix	Water	Water	Water	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Calcium	Total	mg/L		16.3	31.9	58.8	0.01
Magnesium	Total	mg/L		7.41	10.1	38.8	0.02
Potassium	Total	mg/L		2.4	1.0	7.9	0.04
Silicon	Total	mg/L		25.0	7.83	89.0	0.005
Sulfur	Total	mg/L		2.1	3.7	6.0	0.02
Sodium	Total	mg/L		2.95	3.42	6.88	0.1
Titanium	Total	mg/L		0.402	0.019	1.58	0.002
Routine Water							
pH - Holding Time					Exceeded	Exceeded	
pH	at 25 °C				7.11	7.50	
Electrical Conductivity		µS/cm at 25 C			224	258	1
Calcium	Dissolved	mg/L		14.4	29.7	36.0	0.01
Magnesium	Dissolved	mg/L		3.9	8.9	10.3	0.02
Potassium	Dissolved	mg/L		0.6	0.7	1.1	0.04
Silicon	Dissolved	mg/L		5.47	6.61	5.77	0.005
Sodium	Dissolved	mg/L		2.4	2.9	4.9	0.1
Sulfur	Dissolved	mg/L		2.1	3.1	4.8	0.02
Bicarbonate		mg/L			128	147	5
Carbonate		mg/L			<6	<6	6
Hydroxide		mg/L			<5	<5	5
P-Alkalinity	as CaCO3	mg/L			<5	<5	5
T-Alkalinity	as CaCO3	mg/L			105	121	5
Chloride	Dissolved	mg/L			0.16	0.24	0.05
Nitrate - N	Dissolved	mg/L			0.26	0.09	0.01
Nitrite - N	Dissolved	mg/L			<0.01	<0.01	0.01
Sulfate (SO4)	Dissolved	mg/L			7.8	11.4	0.5
Hardness	as CaCO3 (dissolved)	mg/L		52	110	132	5
Hardness	Total	mg CaCO3/L			121	307	1
Trace Metals Dissolved							
Digestion	Dissolved			Lab filtered & preserved	Field Filtered	Lab filtered & preserved	
Titanium	Dissolved	mg/L		0.003	0.006	0.007	0.002
Aluminum	Dissolved	mg/L		0.005104	0.002637	0.005578	0.001
Antimony	Dissolved	mg/L		0.000137	0.000114	0.000223	0.00002
Arsenic	Dissolved	mg/L		0.001	0.0001	0.0013	0.0001
Barium	Dissolved	mg/L		0.0520	0.1963	0.0857	0.0001

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Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

		Reference Number	1162096-10	1162096-11	1162096-12	
		Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
		Sample Time	10:45	16:30	11:10	
		Sample Location	Surface	Surface	Surface	
		Sample Description	KZ-9 duplicate	KZ-10	KZ-11	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Dissolved - Continued						
Beryllium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Bismuth	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron	Dissolved	mg/L	<0.002	<0.002	<0.002	0.002
Cadmium	Dissolved	mg/L	0.000078	<0.00001	0.000166	0.00001
Chromium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Cobalt	Dissolved	mg/L	0.000147	0.000033	0.000304	0.00002
Copper	Dissolved	mg/L	0.0010	<0.0005	0.0012	0.0005
Iron	Dissolved	mg/L	0.011	0.038	<0.002	0.002
Lead	Dissolved	mg/L	0.000049	<0.00001	<0.00001	0.00001
Lithium	Dissolved	mg/L	<0.0005	0.0018	0.0007	0.0005
Manganese	Dissolved	mg/L	0.143	0.012	0.625	0.001
Molybdenum	Dissolved	mg/L	0.000875	0.000191	0.002646	0.00002
Nickel	Dissolved	mg/L	<0.0002	<0.0002	0.0003	0.0002
Selenium	Dissolved	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L	0.1299	0.2546	0.3697	0.0001
Tellurium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Thallium	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Tin	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Uranium	Dissolved	mg/L	0.000593	0.001425	0.01044	0.00001
Vanadium	Dissolved	mg/L	0.000472	<0.000050	0.000520	0.00005
Zinc	Dissolved	mg/L	<0.0005	0.0006	<0.0005	0.0005
Zirconium	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	17.9	0.481	77.5	0.001
Antimony	Total	mg/L	0.00186	0.00020	0.00196	0.00002
Arsenic	Total	mg/L	0.0444	0.0007	0.151	0.0001
Barium	Total	mg/L	0.290	0.223	1.61	0.0001
Beryllium	Total	mg/L	0.00049	<0.00005	0.00160	0.00005
Bismuth	Total	mg/L	0.001	<0.0001	0.0038	0.0001
Boron	Total	mg/L	0.005	0.002	0.004	0.002
Cadmium	Total	mg/L	0.00100	0.00005	0.00706	0.00001
Chromium	Total	mg/L	0.0143	0.00031	0.0544	0.00005
Cobalt	Total	mg/L	0.00825	0.00021	0.0361	0.00002
Copper	Total	mg/L	0.0264	0.0012	0.124	0.0002

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Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

	Reference Number	1162096-10	1162096-11	1162096-12	
	Sample Date	Sep 19, 2016	Sep 18, 2016	Sep 19, 2016	
	Sample Time	10:45	16:30	11:10	
	Sample Location	Surface	Surface	Surface	
	Sample Description	KZ-9 duplicate	KZ-10	KZ-11	
	Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Trace Metals Total - Continued						
Iron	Total	mg/L	21.3	0.606	122	0.002
Lead	Total	mg/L	0.0601	0.000739	0.253	0.00001
Lithium	Total	mg/L	0.0101	0.0022	0.0266	0.0005
Manganese	Total	mg/L	0.591	0.036	3.9	0.001
Molybdenum	Total	mg/L	0.00196	0.000219	0.00323	0.00002
Nickel	Total	mg/L	0.0080	0.0002	0.0368	0.0002
Selenium	Total	mg/L	0.001	<0.0002	0.0062	0.0002
Silver	Total	mg/L	0.000556	0.000022	0.00424	0.00001
Strontium	Total	mg/L	0.134	0.247	0.567	0.0001
Tellurium	Total	mg/L	<0.000050	<0.000050	0.000172	0.00005
Thallium	Total	mg/L	0.000417	0.000014	0.000928	0.00001
Thorium	Total	mg/L	0.00544	0.000177	0.0199	0.00005
Tin	Total	mg/L	0.0004	<0.0001	0.0004	0.0001
Uranium	Total	mg/L	0.00303	0.00158	0.0180	0.00001
Vanadium	Total	mg/L	0.0420	0.00107	0.126	0.00005
Zinc	Total	mg/L	0.112	0.0033	0.547	0.0005
Zirconium	Total	mg/L	0.0101	0.0001	0.0133	0.0001

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Lot ID: **1162096**
Control Number: C0059205
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2134014

	Reference Number	1162096-11	1162096-12		
	Sample Date	Sep 18, 2016	Sep 19, 2016		
	Sample Time	16:30	11:10		
	Sample Location	Surface	Surface		
	Sample Description	KZ-10	KZ-11		
	Matrix	Water	Water		
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Organic Carbon	Total Nonpurgeable	mg/L	2.8	13		0.5
Cyanide	Total	mg/L	<0.002	<0.002		0.002
Ammonia - N		mg/L	<0.01	0.15		0.01
Phosphorus	Total	mg/L	0.017	2.53		0.003
Physical and Aggregate Properties						
Solids	Total Suspended	mg/L	17	1950		2
Solids	Total Dissolved	mg/L	158	266		5

Approved by:

Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).
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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162096**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rockhaven Resources Klaza	Control Number:	C0059205
		Name:	Surface Water	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 28, 2016
		LSD:		Report Number:	2134014
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (Surrey)	APHA	* Alkalinity - Titration Method, 2320 B	24-Sep-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Conductivity, 2510 B	24-Sep-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* pH - Electrometric Method, 4500-H+ B	24-Sep-16	Exova Surrey
Ammonia-N in Water (Surrey)	APHA	* Flow Injection Analysis, 4500-NH3 H	26-Sep-16	Exova Surrey
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	22-Sep-16	Exova Surrey
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	26-Sep-16	Exova Edmonton
Cyanide (Total) in water	US EPA	* US EPA method, 335.3	27-Sep-16	Exova Edmonton
Mercury Low Level (Total) in water (Surrey)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	24-Sep-16	Exova Surrey
Metals SemiTrace (Dissolved) in water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Metals SemiTrace (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	22-Sep-16	Exova Surrey
Phosphorus - total by Smartchem (Surrey)	APHA	* Persulfate digestion method, 4500-P B5	23-Sep-16	Exova Surrey
Solids Dissolved (Total, Fixed and Volatile) - Surrey	APHA	* Total Dissolved Solids Dried at 180 C, 2540 C	23-Sep-16	Exova Surrey
Solids Suspended (Total, Fixed and Volatile) - Surrey	APHA	* Total Suspended Solids Dried at 103-105'C, 2540 D	23-Sep-16	Exova Surrey
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	23-Sep-16	Exova Surrey
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	22-Sep-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	22-Sep-16	Exova Surrey

[*] Reference Method Modified

References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
US EPA	US Environmental Protection Agency Test Methods

Comments:

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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162096**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rockhaven Resources Klaza	Control Number:	C0059205
		Name:	Surface Water	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 28, 2016
		LSD:		Report Number:	2134014
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

- Reduction of analytical volume was necessary for Total Suspended Solids analysis due to matrix effects in 1162096, sample 12. Detection limits are adjusted accordingly.
- Reduction of analytical volume was necessary for Total Suspended Solids analysis due to limited sample volume for lot 1162096, samples 1 through 11. Detection limits are adjusted accordingly.
- Reduction of analytical volume was necessary for Trace Metals analysis to bring results within the analytical range for samples #1162096-9, 10, and 12. Detection limits are adjusted accordingly.
- Sample 1162096-12; 5515840 Reduction of analytical volume was necessary for TP to bring results within the analytical range for sample 1162096-12. Detection limits are adjusted accordingly.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.
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Exova Testing, calibrating, advising

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Invoice to:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail: judditegibson@gmail.com
Agreement ID: 6645
Copy of report: X

Report To:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail 1: judditegibson@gmail.com
E-mail 2:
Copy of invoice:

Report Results		Regulatory Requirement	
E-Mail		HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

Project Information

Project ID: ROCKHAVEN RESOURCES
Project Name: KLAZA
Project Location:
Legal Location: SURFACE H2O
PO/AFE#:
Proj. Acct. Code:
Quote #

RUSH Priority

- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

Sample Custody (please print)

Sampled by: J GIBSON / G. FORD
Company:

This section for Lab use only

Date/Time stamp: RECEIVED SEP 2 1 2016

Special Instructions/Comments (please include contact information including ph. # if different from above).

RCHEM = pH, EC, TDN, NO3, NO3, TALK, Cl, SO4, HARDT, TSS, TDS.

	Site I.D.	Sample Description	Depth start in	Depth start cm	Depth end m	Date/Time Sampled	Matrix	Sampling Method	Number of Containers ↓	RCHEM	NH4	TOC	TCN	TW24 ens + NITRITE	THG	TW23 ens - F + NITRITE			
										Enter tests above (√ relevant samples below)									
1	KZ-1	SURFACE				SEPT18 @ 1440	H2O	GRAB	7	√	√	√	√	√	√	√			
2	KZ-2	↓				"			6	√	√	√	√	√		√			
3	KZ-3					SEPT19 @ 1820	↓	↓	6	√	√	√	√	√		√			
4	KZ-4					" @ 1735			6	√	√	√	√	√		√			
5	KZ-5					SEPT18 @ 1550			6	√	√	√	√	√		√			
6	KZ-6					SEPT19 @ 1555			6	√	√	√	√	√		√			
7	KZ-7					SEPT20 @ 0930			6	√	—	√	√	√		√			
8	KZ-8					SEPT20 @ 0955			7	√	√	√	√	√	√	√			
9	KZ-9					SEPT19 @ 1040			7	√	√	√	√	√	√	√			
10	KZ-9 DUPLICATE					SEPT19 @ 1045			2					√		√			
11	KZ-10					SEPT18 @ 1630			6	√	√	√	√	√		√			
12	KZ-11					SEPT19 @ 1110			6	√	√	√	√	√		√			
13																			
14	NOTES: TW23 FOR KZ-9, KZ-9 DUPLICATE + KZ-11						NOT PRESERVED.			! NOT FILTERED! PLS DO LAB!									
15																			

Indicate in the space allotted any deficiencies by the corresponding number.

1. Indicate any samples that were not packaged well
2. Indicate any samples not received in Exova supplies
3. Indicate any samples that were not clearly labeled
4. Indicate any samples not received within the required hold time or temp.
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6. Indicate any samples that were received broken
7. Indicate any samples where sufficient volume was not received
8. Indicate any samples received in an inappropriate container

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Please indicate any potentially hazardous samples

Page 1 of 1 Control # C 0059205

Lot: 1162096 COC

Shipping: COD Y/ N
and size of coolers
Temp. received: 6.1°C
Delivery Method: COURIER
Waybill:
Received by:

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#104, 19575-55 A Ave.
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Report Transmission Cover Page

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162112**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rock Haven Resources Klaza	Control Number:	C0059180
		Name:	Stream Seds	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 27, 2016
Attn:	John Gibson	LSD:		Report Number:	2134025
Sampled By:	J.Gibson	P.O.:			
Company:		Acct code:			

Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Resources
Klaza
Name: Stream Seds
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162112**
Control Number: C0059180
Date Received: Sep 21, 2016
Date Reported: Sep 27, 2016
Report Number: 2134025

		Reference Number	1162112-1	1162112-2	1162112-3	
		Sample Date	Sep 19, 2016	Sep 19, 2016	Sep 19, 2016	
		Sample Time	16:55	16:55	16:55	
		Sample Location				
		Sample Description	KZ-1 / Rep #1	KZ-1 / Rep #2	KZ-1 / Rep #3	
		Matrix	Soil	Soil	Soil	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Particle Size Analysis - Wet Sieve						
Texture			Coarse-Grained	Coarse-Grained	Coarse-Grained	
75 micron sieve	% Retained	% by weight	67.0	58.5	62.4	0.1
Metals						
Aluminum		ug/g	13000	10400	9860	1
Antimony		ug/g	3.2	2.5	2.1	0.5
Arsenic		ug/g	7.00	7.76	6.34	0.2
Barium		ug/g	105	96.1	91.2	0.03
Beryllium		ug/g	0.405	0.356	0.319	0.02
Bismuth		ug/g	<0.5	<0.5	<0.5	0.5
Cadmium		ug/g	0.4	0.4	0.3	0.05
Calcium		ug/g	3270	2830	3080	2
Chromium		ug/g	20.0	16.3	16.5	0.04
Cobalt		ug/g	7.27	7.14	6.31	0.05
Copper		ug/g	9.19	11.8	8.64	0.05
Iron		ug/g	39600	31300	26800	1
Lead		ug/g	9.56	9.13	7.80	0.3
Lithium		ug/g	9.73	8.17	7.70	0.1
Magnesium		ug/g	4170	3890	3500	1
Manganese		ug/g	402	418	346	0.3
Molybdenum		ug/g	0.2	0.3	0.2	0.05
Nickel		ug/g	8.7	7.7	7.6	0.1
Phosphorus		ug/g	793	631	698	0.5
Potassium		ug/g	534	500	480	5
Selenium		ug/g	<0.2	<0.2	<0.2	0.3
Silver		ug/g	<0.1	<0.1	<0.1	0.2
Sodium		ug/g	138	135	149	1
Strontium		ug/g	23.9	22.0	22.1	0.02
Sulfur		ug/g	121	106	99.0	1
Thallium		ug/g	<0.2	<0.2	<0.2	0.3
Tin		ug/g	0.2	<0.2	<0.2	0.2
Titanium		ug/g	390	331	354	0.05
Vanadium		ug/g	56.7	50.4	49.1	0.2
Zinc		ug/g	50.6	46.5	43.7	0.1
Zirconium		ug/g	1.2	0.98	1.0	0.05

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Resources
Klaza
Name: Stream Seds
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162112**
Control Number: C0059180
Date Received: Sep 21, 2016
Date Reported: Sep 27, 2016
Report Number: 2134025

		Reference Number	1162112-4	1162112-5	1162112-6	
		Sample Date	Sep 19, 2016	Sep 19, 2016	Sep 19, 2016	
		Sample Time	10:55	10:55	10:55	
		Sample Location				
		Sample Description	KZ-9 / Rep #1	KZ-9 / Rep #2	KZ-9 / Rep #3	
		Matrix	Soil	Soil	Soil	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Particle Size Analysis - Wet Sieve						
Texture			Coarse-Grained	Coarse-Grained	Coarse-Grained	
75 micron sieve	% Retained	% by weight	53.6	53.4	57.4	0.1
Metals						
Aluminum		ug/g	9460	9100	8580	1
Antimony		ug/g	2.1	1.8	2.0	0.5
Arsenic		ug/g	11.8	11.9	9.77	0.2
Barium		ug/g	157	157	141	0.03
Beryllium		ug/g	0.274	0.262	0.239	0.02
Bismuth		ug/g	<0.5	<0.5	<0.5	0.5
Cadmium		ug/g	0.69	0.70	0.55	0.05
Calcium		ug/g	3760	3490	3380	2
Chromium		ug/g	14.4	14.0	13.4	0.04
Cobalt		ug/g	5.57	5.52	5.15	0.05
Copper		ug/g	10.3	10.3	8.47	0.05
Iron		ug/g	17300	17300	15700	1
Lead		ug/g	15.8	16.2	13.8	0.3
Lithium		ug/g	7.55	7.47	7.03	0.1
Magnesium		ug/g	3070	3030	2900	1
Manganese		ug/g	293	291	251	0.3
Molybdenum		ug/g	0.5	0.5	0.3	0.05
Nickel		ug/g	6.6	6.3	6.3	0.1
Phosphorus		ug/g	667	618	639	0.5
Potassium		ug/g	629	614	577	5
Selenium		ug/g	<0.2	<0.2	<0.2	0.3
Silver		ug/g	0.76	<0.1	<0.1	0.2
Sodium		ug/g	203	189	180	1
Strontium		ug/g	27.4	26.0	23.9	0.02
Sulfur		ug/g	169	158	124	1
Thallium		ug/g	<0.2	<0.2	<0.2	0.3
Tin		ug/g	<0.2	<0.2	<0.2	0.2
Titanium		ug/g	506	491	480	0.05
Vanadium		ug/g	37.4	36.6	34.7	0.2
Zinc		ug/g	59.4	60.5	53.2	0.1
Zirconium		ug/g	1.5	1.3	1.3	0.05

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J.Gibson
Company:

Project:
ID: Rock Haven Resources
Klaza
Name: Stream Seds
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162112**
Control Number: C0059180
Date Received: Sep 21, 2016
Date Reported: Sep 27, 2016
Report Number: 2134025

Approved by:

Mathieu Simoneau
Operations Manager

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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162112**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rock Haven Resources Klaza	Control Number:	C0059180
		Name:	Stream Seds	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 27, 2016
		LSD:		Report Number:	2134025
Attn:	John Gibson	P.O.:			
Sampled By:	J.Gibson	Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Metals in solids (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Particle Size by Wet Sieve	Carter	* Procedure for Particle Size Separation, 55.2.3	26-Sep-16	Exova Edmonton

** Reference Method Modified*

References

ASTM	Annual Book of ASTM Standards
Carter	Soil Sampling and Methods of Analysis.
US EPA	US Environmental Protection Agency Test Methods

Comments:

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Project Information

Project ID: ROCK HAVEN RESOURCES
Project Name: KLAZA
Project Location:
Legal Location: STREAM SEDS
PO/AFE#:
Proj. Acct. Code:
Quote #

Invoice to:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail:
Agreement ID: 6646
Copy of report: X

Report To:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail 1:
E-mail 2:
Copy of invoice:

Report Results		Regulatory Requirement	
E-Mail		HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

Sample Custody (please print)

Sampled by: J Gibson
Company:

This section for Lab use only

Date/Time stamp: RECEIVED SEP 1? 2016

RUSH Priority

- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

Special Instructions/Comments (please include contact information including ph. # if different from above).

STREAM SEDIMENTS.

	Site I.D.	Sample Description	Depth start (cm)	Depth end (m)	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	METALS	PARTICLE SIZE (WET SIEVE)
1								↓	Enter tests above (√ relevant samples below)	
2	KZ-1	REP #1	—		SEPT 9 @ 1055	SED	GRAB	1	✓	✓
3		#2	—		"	"		1	✓	✓
4		#3	—		"	"		1	✓	✓
5										
6	KZ-9	REP #1	—		SEPT 9 @ 1055	SED	GRAB	1	✓	✓
7		#2	—		"	"		1	✓	✓
8		#3	—		"	"		1	✓	✓
9										
10										
11										
12										
13										
14										
15										

Indicate in the space allotted any deficiencies by the corresponding number.

1. Indicate any samples that were not packaged well
2. Indicate any samples not received in Exova supplies
3. Indicate any samples that were not clearly labeled
4. Indicate any samples not received within the required hold time or temp.
5. Indicate any missing or extra samples
6. Indicate any samples that were received broken
7. Indicate any samples where sufficient volume was not received
8. Indicate any samples received in an inappropriate container

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Please indicate any potentially hazardous samples

Page 1 of 1 Control # C 0059180

Ir Lot: 1162112 COC

Shipping: COD Y/ N
and size of coolers
Temp. received: 5.6°C
Delivery Method: Courier
Waybill:
Received by: GR

Exova
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

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Report Transmission Cover Page

Bill To:	J. Gibson & Associates
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2
Attn:	John Gibson
Sampled By:	J. Gibson
Company:	

Project:	
ID:	Rockhaven Resources Klaza
Name:	Groundwater
Location:	
LSD:	
P.O.:	
Acct code:	

Lot ID:	**1162078**
Control Number:	C0059181
Date Received:	Sep 21, 2016
Date Reported:	Sep 28, 2016
Report Number:	2133990

Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

Notes To Clients:

- Reduction of analytical volume was necessary for Trace Metals analysis to bring results within the analytical range for samples #1162078-1 and 2. Detection limits are adjusted accordingly.

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W: www.exova.com

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rockhaven Resources Klaza
Name: Groundwater
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162078**
Control Number: C0059181
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2133990

Reference Number			1162078-1	1162078-2	1162078-3
Sample Date			Sep 18, 2016	Sep 19, 2016	Sep 19, 2016
Sample TIme			14:15	18:10	14:10
Sample Location			Groundwater	Groundwater	Groundwater
Sample Description			MW15-02S / 1.92 / m	MW15-03S / 3.19 / m	MW15-04S / 3.91 / m
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Ammonium - N		mg/L	0.064	<0.025	<0.025	0.025
Kjeldahl Nitrogen	Total	mg/L	1.71	0.40	0.35	0.07
Phosphorus	Total	mg/L	0.21	0.13	<0.05	0.05
Orthophosphate-P	Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Organic Carbon	Dissolved Nonpurgeable	mg/L	4.0	3.2	6.0	0.5
Metals Total						
Calcium	Total	mg/L	26.9	57.2	67.6	0.01
Magnesium	Total	mg/L	6.25	9.20	17.1	0.02
Potassium	Total	mg/L	4.6	2.2	1.1	0.04
Silicon	Total	mg/L	9.29	7.22	6.25	0.005
Sulfur	Total	mg/L	15.0	17.3	8.9	0.02
Sodium	Total	mg/L	6.93	2.54	4.17	0.1
Titanium	Total	mg/L	0.656	0.072	0.024	0.002
Mercury	Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Physical and Aggregate Properties						
Solids	Total Dissolved	mg/L	230	314	280	5
Routine Water						
Nitrate and Nitrite - N		mg/L	0.57	0.49	0.31	0.01
Acidity	titrate to pH of 8.3	mg/L as CaCO3	54	38	14	5
pH - Holding Time			Exceeded	Exceeded	Exceeded	
pH	at 25 °C		6.31	7.08	7.55	
Electrical Conductivity		µS/cm at 25 C	219	465	410	1
Calcium	Dissolved	mg/L	26.5	83.0	64.8	0.01
Magnesium	Dissolved	mg/L	6.0	12.6	16.3	0.02
Potassium	Dissolved	mg/L	6.1	1.6	1.1	0.04
Silicon	Dissolved	mg/L	8.04	4.49	5.23	0.005
Sodium	Dissolved	mg/L	6.7	3.3	3.5	0.1
Sulfur	Dissolved	mg/L	14.2	24.2	8.5	0.02
Bicarbonate		mg/L	73	210	238	5
Carbonate		mg/L	<6	<6	<6	6
Hydroxide		mg/L	<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L	<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L	60	172	195	5
Chloride	Dissolved	mg/L	0.79	0.49	0.28	0.05
Fluoride	Dissolved	mg/L	<0.01	<0.01	0.06	0.01

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rockhaven Resources Klaza
Name: Groundwater
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162078**
Control Number: C0059181
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2133990

		Reference Number	1162078-1	1162078-2	1162078-3	
		Sample Date	Sep 18, 2016	Sep 19, 2016	Sep 19, 2016	
		Sample Time	14:15	18:10	14:10	
		Sample Location	Groundwater	Groundwater	Groundwater	
		Sample Description	MW15-02S / 1.92 / m	MW15-03S / 3.19 / m	MW15-04S / 3.91 / m	
		Matrix	Water	Water	Water	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	38.0	65.1	22.2	0.5
Hardness	as CaCO3 (dissolved)	mg/L	91	259	229	5
Trace Metals Dissolved						
Digestion	Dissolved		Field Filtered	Field Filtered	Field Filtered	
Titanium	Dissolved	mg/L	0.099	0.015	0.011	0.002
Aluminum	Dissolved	mg/L	0.1091	0.007074	0.002589	0.001
Antimony	Dissolved	mg/L	0.000255	0.000536	0.000438	0.00002
Arsenic	Dissolved	mg/L	0.0025	0.0003	0.0002	0.0001
Barium	Dissolved	mg/L	0.4078	0.0541	0.1031	0.0001
Beryllium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Bismuth	Dissolved	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron	Dissolved	mg/L	0.004	0.003	0.002	0.002
Cadmium	Dissolved	mg/L	0.005838	0.000404	0.000462	0.00001
Chromium	Dissolved	mg/L	0.001543	0.000070	<0.000050	0.00005
Cobalt	Dissolved	mg/L	0.001928	0.000320	0.000064	0.00002
Copper	Dissolved	mg/L	0.0088	0.0030	0.0012	0.0005
Iron	Dissolved	mg/L	0.336	0.057	<0.002	0.002
Lead	Dissolved	mg/L	0.002586	0.000056	0.000030	0.00001
Lithium	Dissolved	mg/L	0.0022	0.0021	0.0031	0.0005
Manganese	Dissolved	mg/L	1.01	0.092	0.009	0.001
Molybdenum	Dissolved	mg/L	0.000283	0.000388	0.000413	0.00002
Nickel	Dissolved	mg/L	0.0038	0.0012	<0.0002	0.0002
Selenium	Dissolved	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver	Dissolved	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Strontium	Dissolved	mg/L	0.1353	0.2535	0.2434	0.0001
Tellurium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Thallium	Dissolved	mg/L	0.000011	<0.00001	<0.00001	0.00001
Thorium	Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Tin	Dissolved	mg/L	0.0003	0.0003	0.0004	0.0001
Uranium	Dissolved	mg/L	0.000151	0.007196	0.005619	0.00001
Vanadium	Dissolved	mg/L	0.000400	<0.000050	<0.000050	0.00005
Zinc	Dissolved	mg/L	4.321	0.1930	0.0158	0.0005
Zirconium	Dissolved	mg/L	0.0006	<0.0001	<0.0001	0.0001
Trace Metals Total						
Aluminum	Total	mg/L	0.478	1.82	0.394	0.001
Antimony	Total	mg/L	0.00045	0.00087	0.00063	0.00002

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Analytical Report

Bill To: J. Gibson & Associates
Report To: J. Gibson & Associates
Box 20913
Whitehorse, YT, Canada
Y1A 6P2
Attn: John Gibson
Sampled By: J. Gibson
Company:

Project:
ID: Rockhaven Resources Klaza
Name: Groundwater
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1162078**
Control Number: C0059181
Date Received: Sep 21, 2016
Date Reported: Sep 28, 2016
Report Number: 2133990

Reference Number	1162078-1	1162078-2	1162078-3
Sample Date	Sep 18, 2016	Sep 19, 2016	Sep 19, 2016
Sample Time	14:15	18:10	14:10
Sample Location	Groundwater	Groundwater	Groundwater
Sample Description	MW15-02S / 1.92 / m	MW15-03S / 3.19 / m	MW15-04S / 3.91 / m
Matrix	Water	Water	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Total - Continued						
Arsenic	Total	mg/L	0.0047	0.0068	0.0011	0.0001
Barium	Total	mg/L	0.453	0.129	0.135	0.0001
Beryllium	Total	mg/L	<0.00005	0.00017	<0.00005	0.00005
Bismuth	Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Boron	Total	mg/L	0.003	0.003	0.003	0.002
Cadmium	Total	mg/L	0.0147	0.00110	0.00148	0.00001
Chromium	Total	mg/L	0.00377	0.00307	0.00163	0.00005
Cobalt	Total	mg/L	0.00223	0.00082	0.00039	0.00002
Copper	Total	mg/L	0.0162	0.0106	0.0044	0.0002
Iron	Total	mg/L	0.917	5.69	0.648	0.002
Lead	Total	mg/L	0.00833	0.00877	0.00179	0.00001
Lithium	Total	mg/L	0.0025	0.0030	0.0035	0.0005
Manganese	Total	mg/L	1.05	0.101	0.048	0.001
Molybdenum	Total	mg/L	0.000292	0.000557	0.000660	0.00002
Nickel	Total	mg/L	0.0042	0.0024	0.0015	0.0002
Selenium	Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver	Total	mg/L	0.000180	0.00231	0.000097	0.00001
Strontium	Total	mg/L	0.129	0.169	0.234	0.0001
Tellurium	Total	mg/L	<0.000050	<0.000050	<0.000050	0.00005
Thallium	Total	mg/L	0.000029	0.000076	0.000014	0.00001
Thorium	Total	mg/L	0.000103	0.000651	0.000065	0.00005
Tin	Total	mg/L	0.001	0.0018	0.0031	0.0001
Uranium	Total	mg/L	0.000236	0.00513	0.00551	0.00001
Vanadium	Total	mg/L	0.00121	0.00314	0.000900	0.00005
Zinc	Total	mg/L	3.58	0.435	0.0267	0.0005
Zirconium	Total	mg/L	0.0022	0.0005	<0.0001	0.0001

Approved by:

Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).
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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162078**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rockhaven Resources Klaza	Control Number:	C0059181
		Name:	Groundwater	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 28, 2016
		LSD:		Report Number:	2133990
Attn:	John Gibson	P.O.:			
Sampled By:	J. Gibson	Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Acidity in water (Surrey)	APHA	* Acidity - Titration Method, 2310 B	27-Sep-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Alkalinity - Titration Method, 2320 B	24-Sep-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Conductivity, 2510 B	24-Sep-16	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* pH - Electrometric Method, 4500-H+ B	24-Sep-16	Exova Surrey
Ammonium-N in Water	APHA	* Automated Phenate Method, 4500-NH3 G	26-Sep-16	Exova Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	27-Sep-16	Exova Edmonton
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	24-Sep-16	Exova Surrey
Carbon Organic (Dissolved) in water (DOC)	APHA	High-Temperature Combustion Method, 5310 B	27-Sep-16	Exova Edmonton
Filtration of water for dissolved analysis	APHA	* Filtration for Dissolved and Suspended Metals / Total Organic Carbon, 3030 B / 5310 A	27-Sep-16	Exova Edmonton
Mercury Low Level (Total) in water (Surrey)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	24-Sep-16	Exova Surrey
Metals SemiTrace (Dissolved) in water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Metals SemiTrace (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	22-Sep-16	Exova Surrey
Orthophosphate-P in Water	APHA	* Automated Ascorbic Acid Reduction Method, 4500-P F	27-Sep-16	Exova Edmonton
Phosphorus - Total in Water	APHA	* Automated Ascorbic Acid Reduction Method, 4500-P F	26-Sep-16	Exova Edmonton
Solids Dissolved (Total, Fixed and Volatile) - Surrey	APHA	* Total Dissolved Solids Dried at 180 C, 2540 C	23-Sep-16	Exova Surrey
Total and Kjeldahl Nitrogen (Total) in Water	ISO	* Water Quality - Determination of nitrogen, ISO/TR 11905-2	27-Sep-16	Exova Edmonton
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	23-Sep-16	Exova Surrey
Trace Metals (dissolved) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	22-Sep-16	Exova Surrey
Trace Metals (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	22-Sep-16	Exova Surrey

** Reference Method Modified*

References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
ISO	International Organization for Standardization
US EPA	US Environmental Protection Agency Test Methods

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Methodology and Notes

Bill To:	J. Gibson & Associates	Project:		Lot ID:	**1162078**
Report To:	J. Gibson & Associates Box 20913 Whitehorse, YT, Canada Y1A 6P2	ID:	Rockhaven Resources Klaza	Control Number:	C0059181
		Name:	Groundwater	Date Received:	Sep 21, 2016
		Location:		Date Reported:	Sep 28, 2016
Attn:	John Gibson	LSD:		Report Number:	2133990
Sampled By:	J. Gibson	P.O.:			
Company:		Acct code:			

References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
ISO	International Organization for Standardization
US EPA	US Environmental Protection Agency Test Methods

Comments:

- Reduction of analytical volume was necessary for Trace Metals analysis to bring results within the analytical range for samples #1162078-1 and 2. Detection limits are adjusted accordingly.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.
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Project Information

Project ID: ROCKHAVEN RESOURCES
Project Name: KLAZA
Project Location:
Legal Location: GROUND H2O
PO/AFE#:
Proj. Acct. Code:
Quote #

Invoice to:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail: luddite gibson@gmail.com
Agreement ID: 6645
Copy of report: X

Report To:

Company: J. Gibson & Associates
Address: Box 20913
Whitehorse, YT Y1A 6P2
Attention: John Gibson
Phone: (867) 633-4522
Cell:
Fax: (867) 668-6895
E-mail 1: luddite gibson@gmail.com
E-mail 2:
Copy of invoice:

Report Results		Regulatory Requirement	
E-Mail		HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

Sample Custody (please print)

Sampled by: J GIBSON
Company:

RUSH Priority

- Emergency (contact lab for turnaround and pricing)
- Priority 1-2 working days (100% surcharge)
- Urgent 2-3 working days (50% surcharge)

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Date Required: Signature:

Special Instructions/Comments (please include contact information including ph. # if different from above).

RUSH = PH, EC, TDS, DOC, OH, TALK, ACIDITY
NUT = NH3, NO3, NO2, O-PO4, P, SO4, FL, CL

This section for Lab use only

Date/Time stamp: RECEIVED SEP 21 2016

	Site I.D.	Sample Description	Depth start in	Depth start cm	Depth end m	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	R CHEM	NUTRIENTS	NH4 TKN	TW24	TW23 -F	THg				Indicate in the space allotted any deficiencies by the corresponding number.
1																			
2	MW15-02 S				1.92	SEPT 18 @ 1415	H2O	P+G	8	✓	✓	✓	✓	✓	✓	✓			1. Indicate any samples that were not packaged well
3																			
4	MW15-03S				3.19	SEPT 18 1810	H2O	P+G	8	✓	✓	✓	✓	✓	✓	✓			2. Indicate any samples not received in Exova supplies
5																			
6	MW15-04 S				3.91	SEPT 19 @ 1410	H2O	P+G	7	✓	✓	✓	✓	✓	✓	✓			3. Indicate any samples that were not clearly labeled
7		(IF POSSIBLE, PLSE DO NUTRIENTS - SORRY MISSED A BOTTLE).																	4. Indicate any samples not received within the required hold time or temp.
8																			
9																			5. Indicate any missing or extra samples
10																			
11																			6. Indicate any samples that were received broken
12																			
13	NOTES: TW23 FILTERED METALS + NITRIC																		7. Indicate any samples where sufficient volume was not received
14		THg + TKN ① + HCL																	
15		NH4 + SULFURIC																	8. Indicate any samples received in an inappropriate container

Enter tests above (√ relevant samples below)

ED 120-02

Submission of this form acknowledges acceptance of Exova's Standard Terms and Conditions (http://www.exova.com/about/terms-and-conditions/)

Lot: 1162078 COC

Shipping: COD Y/ N
and size of coolers
Temp. received: 9.5°C
Delivery Method: Courier
Waybill:
Received by:

Please indicate any potentially hazardous samples

Page ___ of ___ Control # C 0059181

APPENDIX 2

STREAM FLOW VOLUME CALCULATIONS

September, 2016

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 18-Sep-16

Site: KZ-1 Upper Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
3.1	0	0.05	0	0.000	0.000
3.2	0.08	0.1	0.049	0.008	0.0004
3.3	0.14	0.1	0.061	0.014	0.0009
3.4	0.14	0.1	0.059	0.014	0.0008
3.5	0.14	0.1	0.032	0.014	0.0004
3.6	0.1	0.1	0.033	0.01	0.0003
3.7	0.1	0.1	0.014	0.01	0.0001
3.8	0.17	0.1	0.038	0.017	0.0006
3.9	0.17	0.1	0.074	0.017	0.0013
4	0.12	0.1	0.081	0.012	0.0010
4.1	0.12	0.1	0.113	0.012	0.0014
4.2	0.12	0.1	0.133	0.012	0.0016
4.3	0.04	0.15	0.085	0.006	0.0005
4.5	0	0.1	0	0	0.0000
1.40		1.4			**0.009**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? No

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 19-Sep-16

Site: KZ-3

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.5	0	0.1	0	0	0.000
1.7	0.04	0.2	0.301	0.008	0.002
1.9	0.12	0.2	0.308	0.024	0.007
2.1	0.1	0.2	0.114	0.02	0.002
2.3	0.06	0.2	0.108	0.012	0.001
2.5	0.11	0.2	0.17	0.022	0.004
2.7	0.13	0.2	0.124	0.026	0.003
2.9	0	0.1	0	0	0.000
1.4		1.4			
					0.0203

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Ice Conditions: No Ice

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 19-Sep-16

Site: KZ-4 trib to Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
0.9	0	0.1	0	0	0.000
1.1	0.1	0.2	0.208	0.020	0.004
1.3	0.13	0.2	0.196	0.026	0.005
1.5	0.17	0.2	0.368	0.034	0.013
1.7	0.15	0.2	0.323	0.030	0.010
1.9	0.1	0.2	0.345	0.02	0.007
2.1	0.08	0.2	0.277	0.016	0.004
2.3	0.09	0.25	0.117	0.0225	0.003
2.6	0	0.15	0	0	0.000
1.7		1.7			
					0.0454

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? No

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 18-Sep-16

Site: KZ-5 Upper Klaza River

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.9	0	0.1	0	0	0.0000
2.1	0.07	0.2	0.081	0.014	0.0011
2.3	0.1	0.2	0.085	0.02	0.0017
2.5	0.13	0.2	0.111	0.026	0.0029
2.7	0.13	0.2	0.131	0.026	0.0034
2.9	0.14	0.2	0.185	0.028	0.0052
3.1	0.13	0.2	0.204	0.026	0.0053
3.3	0.14	0.2	0.192	0.028	0.0054
3.5	0.14	0.2	0.162	0.028	0.0045
3.7	0.15	0.2	0.162	0.03	0.0049
3.9	0.17	0.2	0.155	0.034	0.0053
4.1	0.18	0.2	0.145	0.036	0.0052
4.3	0.08	0.2	0.057	0.016	0.0009
4.5	0.04	0.2	0.103	0.008	0.0008
4.7	0.16	0.2	0.111	0.032	0.0036
4.9	0.12	0.2	0.127	0.024	0.0030
5.1	0.1	0.2	0.155	0.02	0.0031
5.3	0.07	0.25	0.073	0.018	0.0013
5.6	0	0.15	0	0.000	0.0000
3.7		3.7			**0.0576**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Ice Conditions: No Ice

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 19-Sep-16

Site: KZ-6 trib to Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
1.7	0	0.05	0	0	0.000
1.8	0.22	0.1	0.151	0.022	0.003
1.9	0.26	0.1	0.136	0.026	0.004
2	0.3	0.1	0.139	0.03	0.004
2.1	0.3	0.1	0.142	0.030	0.004
2.2	0.26	0.1	0.203	0.026	0.005
2.3	0.26	0.1	0.17	0.026	0.004
2.4	0.32	0.1	0.155	0.032	0.005
2.5	0.36	0.125	0.032	0.045	0.001
2.65	0	0.075	0	0	0.000
0.95		0.95			**0.0314**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? N No Ice

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 20-Sep-16

Site: KZ-7 Slate Creek - trib to Nansen Creek

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.6	0	0.1	0	0	0.000
1.8	0.11	0.2	0.212	0.022	0.005
2	0.11	0.2	0.308	0.022	0.007
2.2	0.14	0.2	0.451	0.028	0.013
2.4	0.14	0.2	0.266	0.028	0.007
2.6	0.18	0.2	0.221	0.036	0.008
2.8	0.19	0.2	0.074	0.038	0.003
3	2.0	0.2	0.055	0.4	0.022
3.2	2.0	0.35	0	0.7	0.000
3.7	0	0.25	0	0	0.000
2.1		2.1			**0.0643**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? N No Ice in cross section

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 20-Sep-16

Site: KZ-8 Nansen Creek d/s Slate Creek

Point (m)	Depth (meters)	Width (meters)	Velocity (m/sec)	Area (m sq)	Volume (cms)
1.1	0	0.1	0	0	0.000
1.3	0.09	0.2	0.179	0.018	0.003
1.5	0.07	0.2	0.282	0.014	0.004
1.7	0.14	0.2	0.394	0.028	0.011
1.9	0.09	0.2	0.442	0.018	0.008
2.1	0.13	0.2	0.423	0.026	0.011
2.3	0.1	0.2	0.166	0.02	0.003
2.5	0.1	0.2	0.412	0.02	0.008
2.7	0.12	0.2	0.097	0.024	0.002
2.9	0.1	0.2	0.155	0.020	0.003
3.1	0.1	0.25	0.051	0.025	0.001
3.4	0	0.15	0	0.000	0.000
2.3		2.3			**0.0554**

All velocity readings at 0.6 depth

No Staff Gauge

Data logger reading: No logger

Channel under ice? No

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford

Stage Discharge Calculations

Project: RockHaven-Klaza **Date:** 19-Sep-16

Site: KZ-9 Mainstem Klaza River

Point *(m)*	Depth *(meters)*	Width *(meters)*	Velocity *(m/sec)*	Area *(m sq)*	Volume *(cms)*
2.5	0	0.1	0	0	0.000
2.7	0.24	0.2	0.271	0.048	0.013
2.9	0.2	0.2	0.315	0.04	0.013
3.1	0.34	0.2	0.339	0.068	0.023
3.3	0.36	0.2	0.376	0.072	0.027
3.5	0.33	0.2	0.339	0.066	0.022
3.7	0.36	0.2	0.368	0.072	0.026
3.9	0.36	0.2	0.403	0.072	0.029
4.1	0.38	0.2	0.423	0.076	0.032
4.3	0.34	0.2	0.368	0.068	0.025
4.5	0.34	0.2	0.315	0.068	0.021
4.7	0.33	0.2	0.288	0.066	0.019
4.9	0.32	0.2	0.323	0.064	0.021
5.1	0.28	0.2	0.254	0.056	0.014
5.3	0.25	0.2	0.196	0.05	0.010
5.5	0.2	0.3	0.192	0.06	0.012
5.9	0	0.2	0	0	0.000
3.4		3.4			**0.3074**

All velocity readings at surface depth due to high turbidity.

Velocity X 0.85 0.3074 X 0.85 = 0.2613 **0.2613**

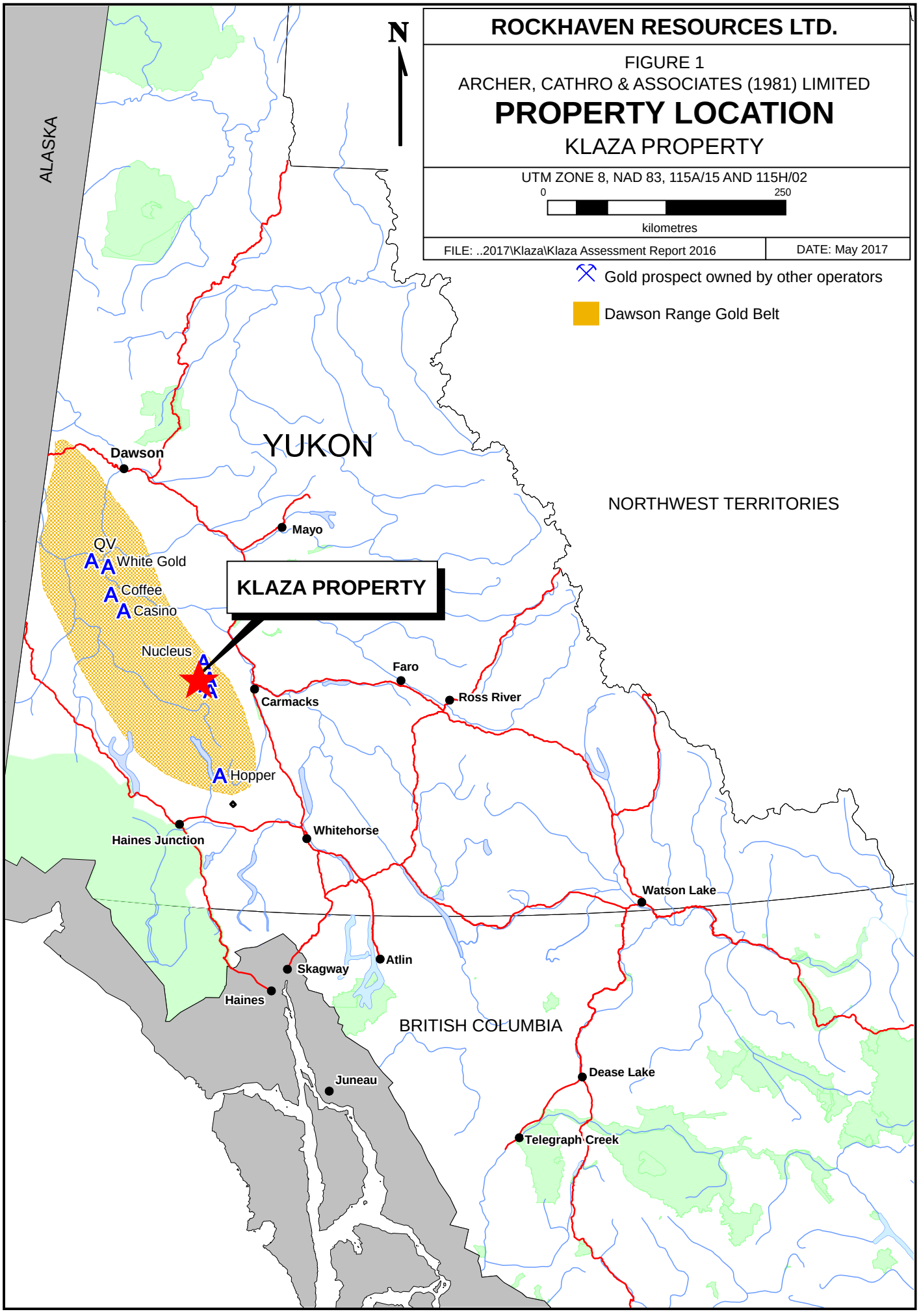
No Staff Gauge

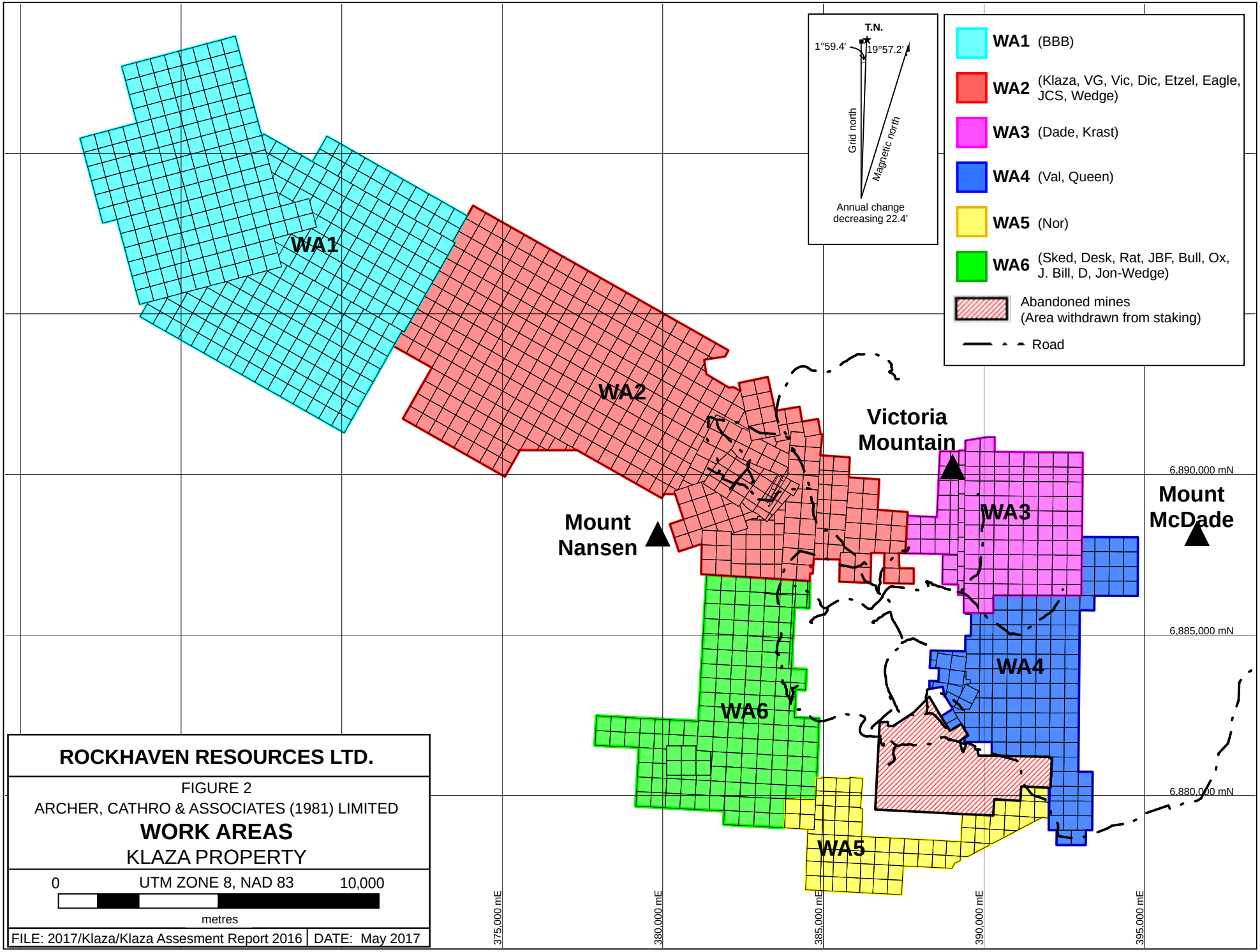
Data logger reading: No logger

Channel under ice? N No Ice

Method: Price Velocity meter#1/ TS Wading Rod

Measurement By: G.Ford


ROCKHAVEN RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
KLAZA PROPERTY
UTM ZONE 8, NAD 83, 115A/15 AND 115H/02
0
250
kilometres
FILE: ..2017\Klaza\Klaza Assessment Report 2016
DATE: May 2017
N
Gold prospect owned by other operators
Dawson Range Gold Belt
ALASKA
YUKON
NORTHWEST TERRITORIES
BRITISH COLUMBIA
Dawson
Mayo
QV
White Gold
Coffee
Casino
Nucleus
KLAZA PROPERTY
Hopper
Carmacks
Faro
Ross River
Whitehorse
Haines Junction
Watson Lake
Atlin
Skagway
Haines
Juneau
Dease Lake
Telegraph Creek



ROCKHAVEN RESOURCES LTD.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

WORK AREAS

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 10,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017

T.N.

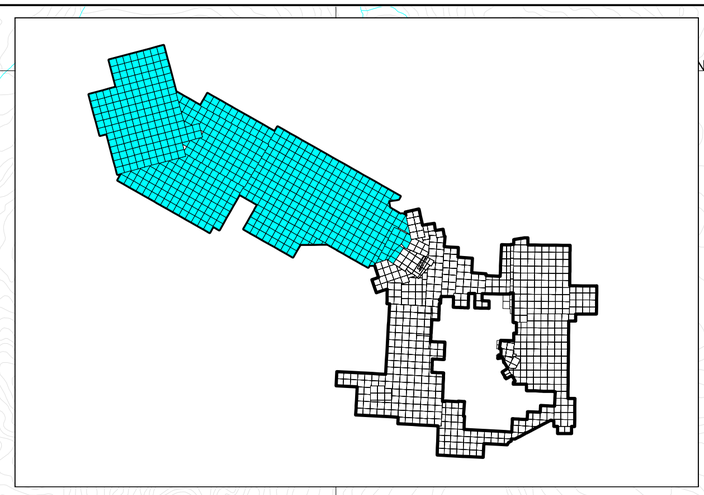
1°59.4'

19°57.2'

Grid north

Magnetic north

Annual change
decreasing 22.4'



6,900,000 mN

6,895,000 mN

6,890,000 mN

370,000 mE

375,000 mE

380,000 mE

ROCKHAVEN RESOURCES LTD.

FIGURE 3A

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS – NW

KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 5,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016

DATE: May 2017

ROCKHAVEN RESOURCES LTD.

FIGURE 3B

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS – SE

KLAZA PROPERTY

0 5,000 metres

UTM ZONE 8, NAD 83

FILE: 2017/Klaza/Klaza Assesment Report 2016

DATE: May 2017

T.N.

1°59.4'

19°57.2'

Grid north

Magnetic north

Annual change decreasing 22.4'

SEE INSET

N

0 1,000 meters

6,890,000 mN

6,885,000 mN

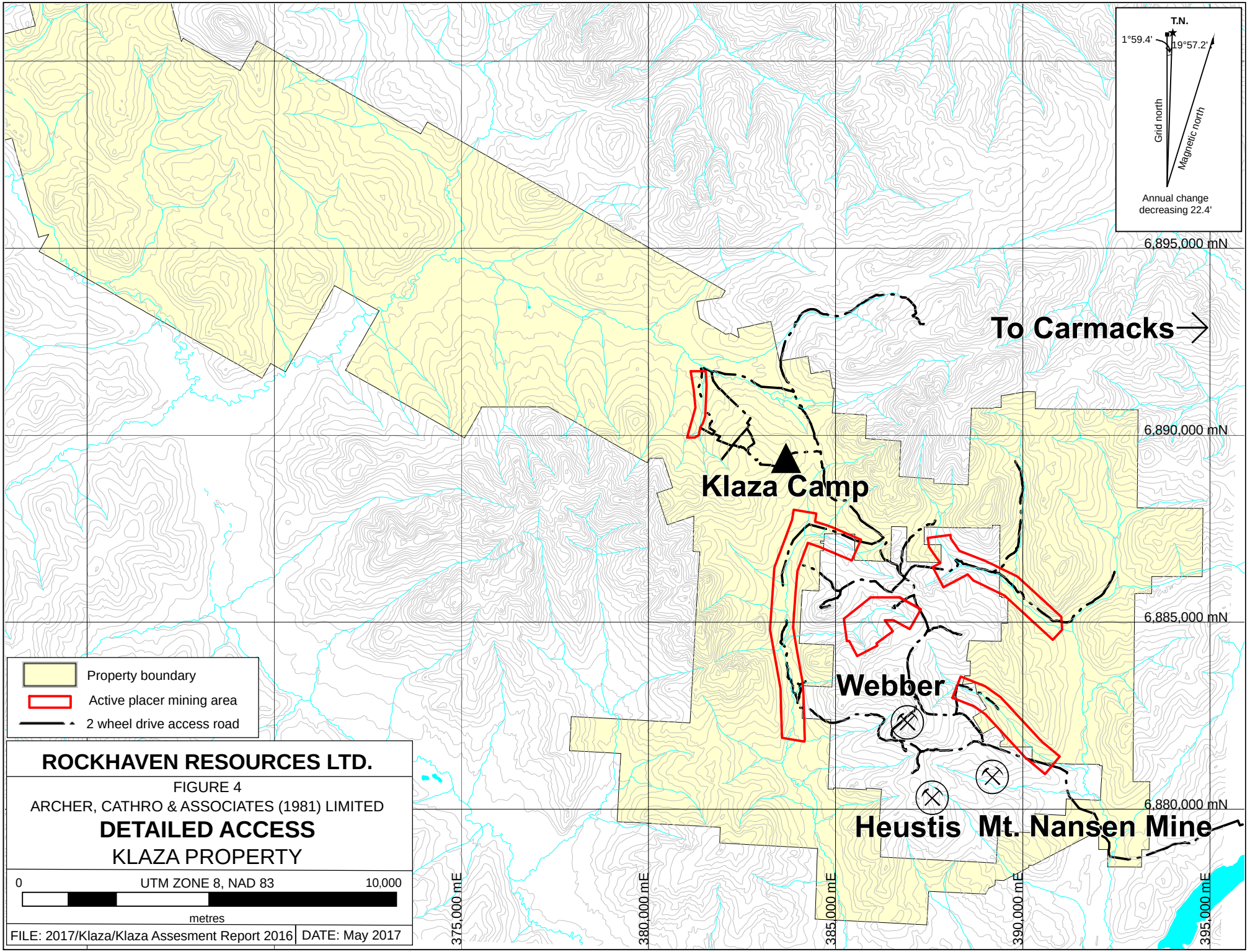
6,880,000 mN

380,000 mE

385,000 mE

390,000 mE

395,000 mE


T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
6,895,000 mN
6,890,000 mN
6,885,000 mN
6,880,000 mN
To Carmacks
Klaza Camp
Webber
Heustis
Mt. Nansen Mine
375,000 mE
380,000 mE
385,000 mE
390,000 mE
395,000 mE
Property boundary
Active placer mining area
2 wheel drive access road
ROCKHAVEN RESOURCES LTD.
FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DETAILED ACCESS
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
10,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017

ROCKHAVEN RESOURCES LTD.

FIGURE 5

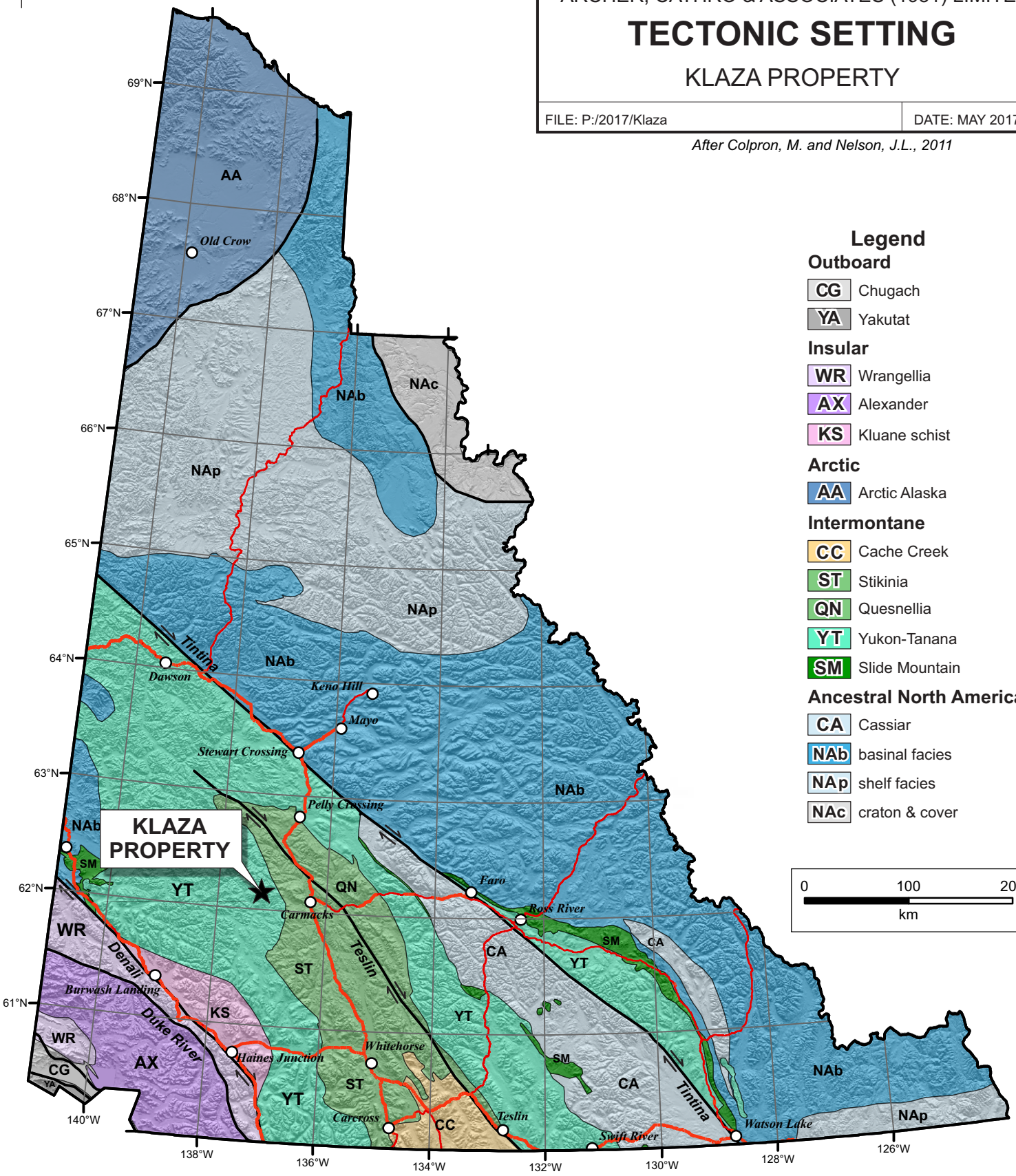
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

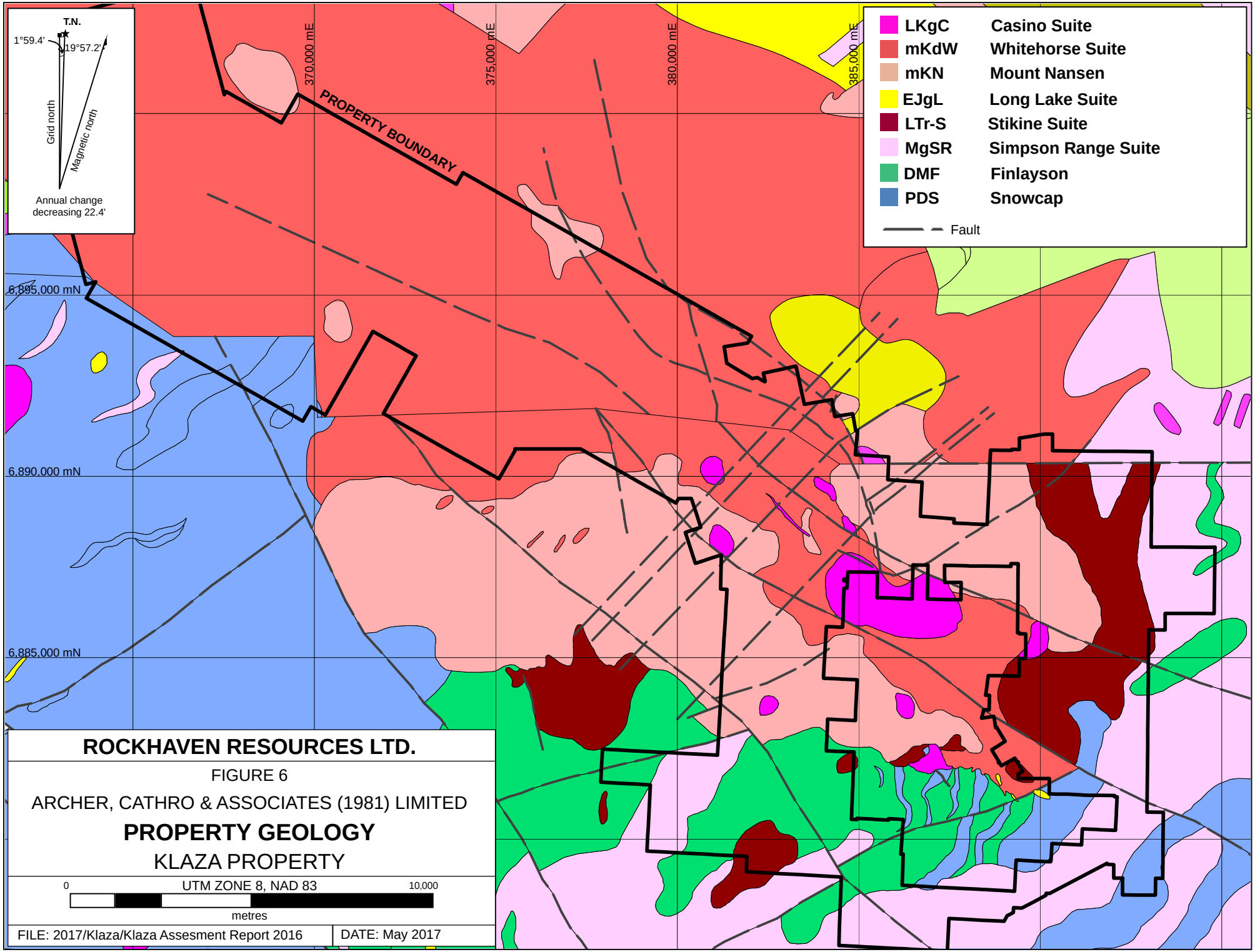
TECTONIC SETTING

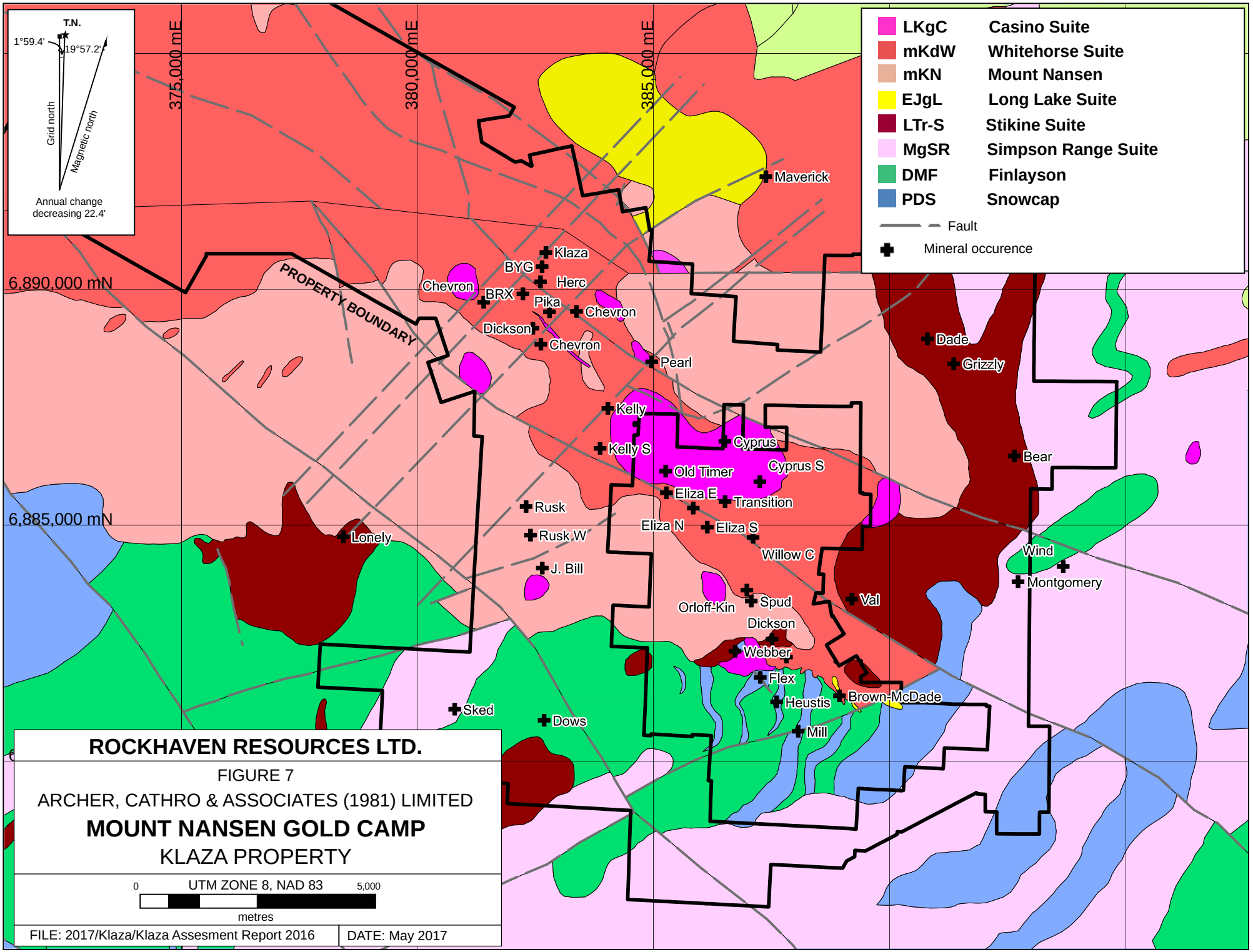
KLAZA PROPERTY

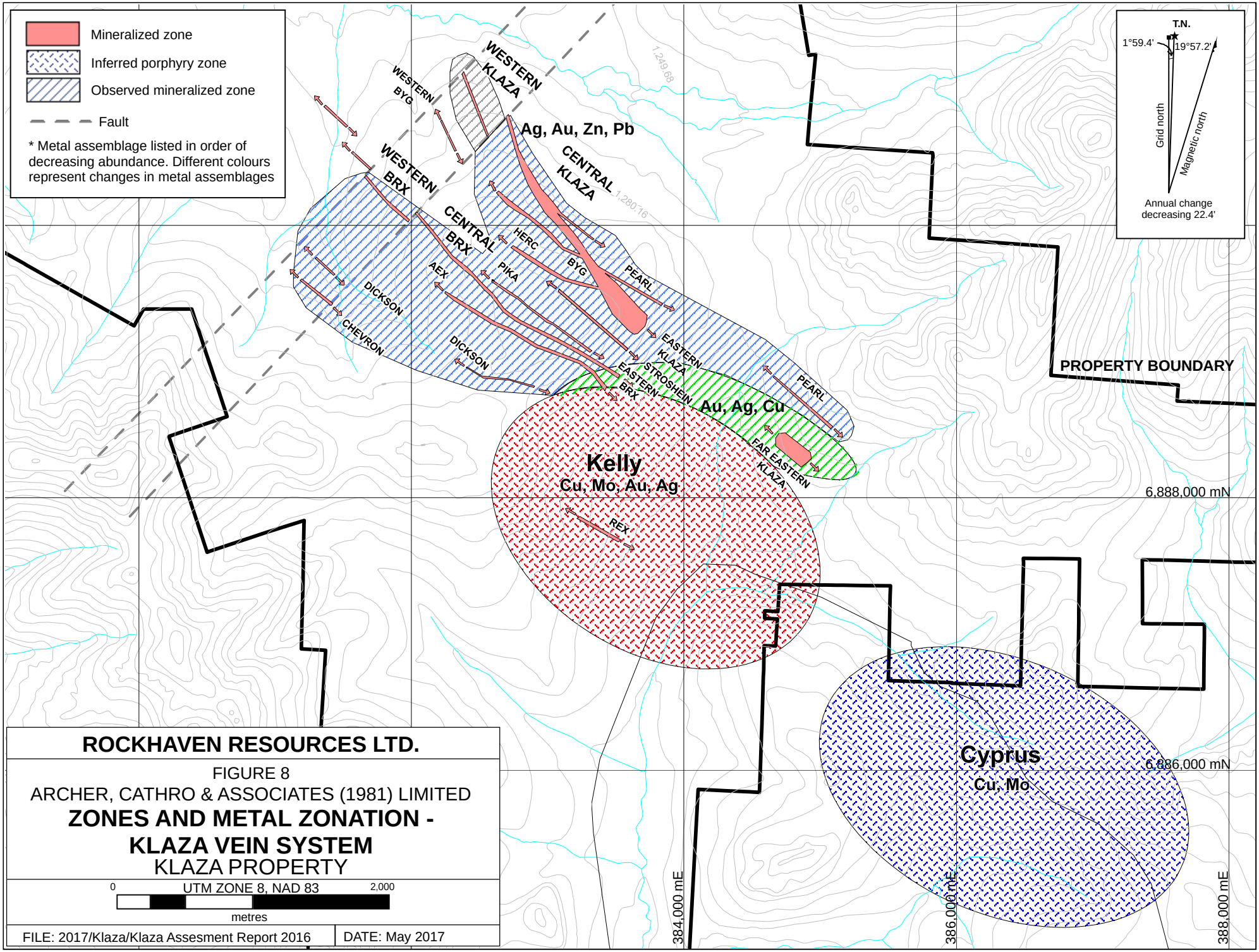
FILE: P:/2017/Klaza | DATE: MAY 2017

After Colpron, M. and Nelson, J.L., 2011




T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
370,000 mE
375,000 mE
380,000 mE
385,000 mE
PROPERTY BOUNDARY
6,895,000 mN
6,890,000 mN
6,885,000 mN
LKgC Casino Suite
mKdW Whitehorse Suite
mKN Mount Nansen
EJgL Long Lake Suite
LTr-S Stikine Suite
MgSR Simpson Range Suite
DMF Finlayson
PDS Snowcap
Fault
ROCKHAVEN RESOURCES LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
10,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017


T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
375,000 mE
380,000 mE
385,000 mE
6,890,000 mN
6,885,000 mN
PROPERTY BOUNDARY
LKgC Casino Suite
mKdW Whitehorse Suite
mKN Mount Nansen
EJgL Long Lake Suite
LTr-S Stikine Suite
MgSR Simpson Range Suite
DMF Finlayson
PDS Snowcap
Fault
Mineral occurence
Maverick
Klaza
BYG
Herc
Chevron
BRX
Pika
Chevron
Dickson
Chevron
Pearl
Dade
Grizzly
Kelly
Kelly S
Cyprus
Cyprus S
Bear
Old Timer
Eliza E
Transition
Rusk
Eliza N
Eliza S
Rusk W
Lonely
Willow C
Wind
J. Bill
Montgomery
Orloff-Kin
Spud
Val
Dickson
Webber
Flex
Heustis
Brown-McDade
Sked
Dows
Mill
ROCKHAVEN RESOURCES LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MOUNT NANSEN GOLD CAMP
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
5,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017


Mineralized zone
Inferred porphyry zone
Observed mineralized zone
Fault
* Metal assemblage listed in order of decreasing abundance. Different colours represent changes in metal assemblages
T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change decreasing 22.4'
WESTERN KLAZA
WESTERN BYG
Ag, Au, Zn, Pb
CENTRAL KLAZA
WESTERN BRX
CENTRAL BRX
HERC
BYG
PEARL
PIKA
AEX
DICKSON
CHEVRON
DICKSON
EASTERN KLAZA
STROSHEIN
EASTERN BRX
Au, Ag, Cu
PEARL
FAR EASTERN KLAZA
Kelly
Cu, Mo, Au, Ag
REX
PROPERTY BOUNDARY
6,888,000 mN
Cyprus
Cu, Mo
6,886,000 mN
384,000 mE
386,000 mE
388,000 mE
1,249.68
1,280.76
ROCKHAVEN RESOURCES LTD.
FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ZONES AND METAL ZONATION -
KLAZA VEIN SYSTEM
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
2,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017

6,890,000 mN

6,888,000 mN

382,000 mE

K291394

K291379

K291388

K291390

K291380

K291381

K291385

K291386

K291382

K291384

S047967

PROPERTY BOUNDARY

T.N.
19°57.2'
1°59.4'
Grid north
Magnetic north
Annual change decreasing 22.4'

Mineralized zone

Soil sample ID

Hand trench float ID

Rock sample ID

Work area 2

Work area 6

Work area 3

ROCKHAVEN RESOURCES LTD.

FIGURE 9A

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2015 - 2016 SAMPLE LOCATIONS
WORK AREA 2 AND 6

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 1,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017

INSET

Sked Occurrence

K291351

K291352

K291353

K291356

K291359

K291358

K291357

K291355

K291354

N

MAIN MAP

SEE INSET

0 10

kilometres

T.N.

1°59.4'

19°57.2'

Grid north

Magnetic north

Annual change decreasing 22.4'

ZZ113757
ZZ113756
ZZ113544
ZZ113545
ZZ113755
ZZ113784
ZZ113546
ZZ113754
ZZ113765
ZZ113783
ZZ113547
ZZ113753
ZZ113548
ZZ113752
ZZ113766
ZZ113549
ZZ113751
ZZ113767
ZZ113768
ZZ113782
ZZ113560
ZZ113550
ZZ113559
ZZ113769
ZZ113781
ZZ113551
ZZ113558
ZZ113770
ZZ113780
ZZ113552
ZZ113557
ZZ113771
ZZ113779
ZZ113553
ZZ113556
ZZ113772
ZZ113778
ZZ113554
ZZ113773
ZZ113777
ZZ113555
ZZ113774
ZZ113775
ZZ113776

K291392

ZZ113630
ZZ113631
ZZ113641
ZZ113618
ZZ113629
ZZ113640
ZZ113619
ZZ113628
ZZ113632
ZZ113639
ZZ113620
ZZ113627
ZZ113633
ZZ113638
ZZ113621
ZZ113634
ZZ113637
ZZ113622
ZZ113626
ZZ113635
ZZ113636
ZZ113623
ZZ113625
ZZ113624

K291387

ZZ103062
ZZ103071
ZZ103072
ZZ103081
ZZ103063
ZZ103070
ZZ103073
ZZ103080
ZZ103064
ZZ103069
ZZ103074
ZZ103079
ZZ103065
ZZ103068
ZZ103075
ZZ103078
ZZ103066
ZZ103067
ZZ103076
ZZ103077

PROPERTY BOUNDARY

6,887,000 mN

6,886,000 mN

392,000 mE

393,000 mE

394,000 mE

N

0 10

kilometres

Work area 3

Work area 4

Rock sample ID

Soil sample ID

ROCKHAVEN RESOURCES LTD.

FIGURE 9B

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2015 - 2016 SAMPLE LOCATIONS
WORK AREA 3 AND 4

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 1,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016

DATE: May 2017

T.N.

1°59.4'

19°57.2'

Grid north

Magnetic north

Annual change
decreasing 22.4'

PROPERTY BOUNDARY

6,905,000 mN

6,900,000 mN

6,895,000 mN

6,890,000 mN

6,885,000 mN

6,880,000 mN

365,000 mE

370,000 mE

375,000 mE

380,000 mE

385,000 mE

390,000 mE

395,000 mE

Gold in Soil (ppb)

100 to 6,582

50 to 100

20 to 50

10 to 20

0 to 10

1988 Au ppb
> 20

ROCKHAVEN RESOURCES LTD.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 5,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017

T.N.

1°59.4'

19°57.2'

Grid north

Magnetic north

Annual change
decreasing 22.4'

PROPERTY BOUNDARY

6,905,000 mN

6,900,000 mN

6,895,000 mN

6,890,000 mN

6,885,000 mN

6,880,000 mN

365,000 mE

370,000 mE

375,000 mE

380,000 mE

385,000 mE

390,000 mE

395,000 mE

Arsenic in soil (ppm)

- 100 to 1,900
- 50 to 100
- 20 to 50
- 10 to 20
- 0 to 10

1988 As ppm
> 100

ROCKHAVEN RESOURCES LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC SOIL GEOCHEMISTRY

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 5,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017

T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'

PROPERTY BOUNDARY

6,905,000 mN
6,900,000 mN
6,895,000 mN
6,890,000 mN
6,885,000 mN
6,880,000 mN

365,000 mE
370,000 mE
375,000 mE
380,000 mE
385,000 mE
390,000 mE
395,000 mE

Lead in soil (ppm)
100 to 2,640
50 to 100
20 to 50
10 to 20
0 to 10
1988 Pb ppm
> 20

ROCKHAVEN RESOURCES LTD.

FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD SOIL GEOCHEMISTRY
KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 5,000
metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017

T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'

PROPERTY BOUNDARY

6,905,000 mN
6,900,000 mN
6,895,000 mN
6,890,000 mN
6,885,000 mN
6,880,000 mE

365,000 mE
370,000 mE
375,000 mE
380,000 mE
385,000 mE
390,000 mE
395,000 mE

Copper in soil (ppm)
100 to 1,870
50 to 100
20 to 50
10 to 20
0 to 10

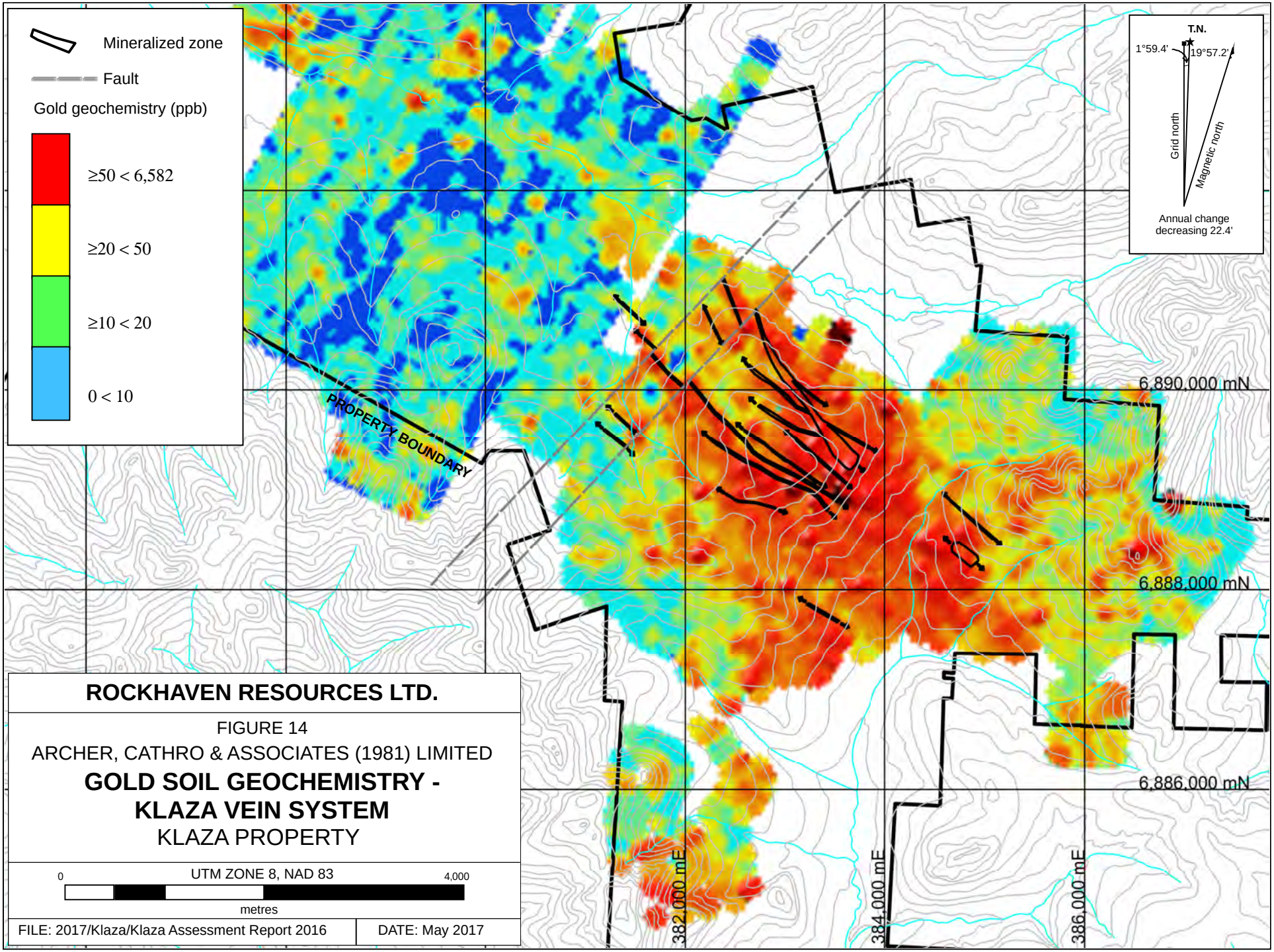
1988 Cu ppm
> 100

ROCKHAVEN RESOURCES LTD.

FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 5,000
metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY - KLAZA VEIN SYSTEM

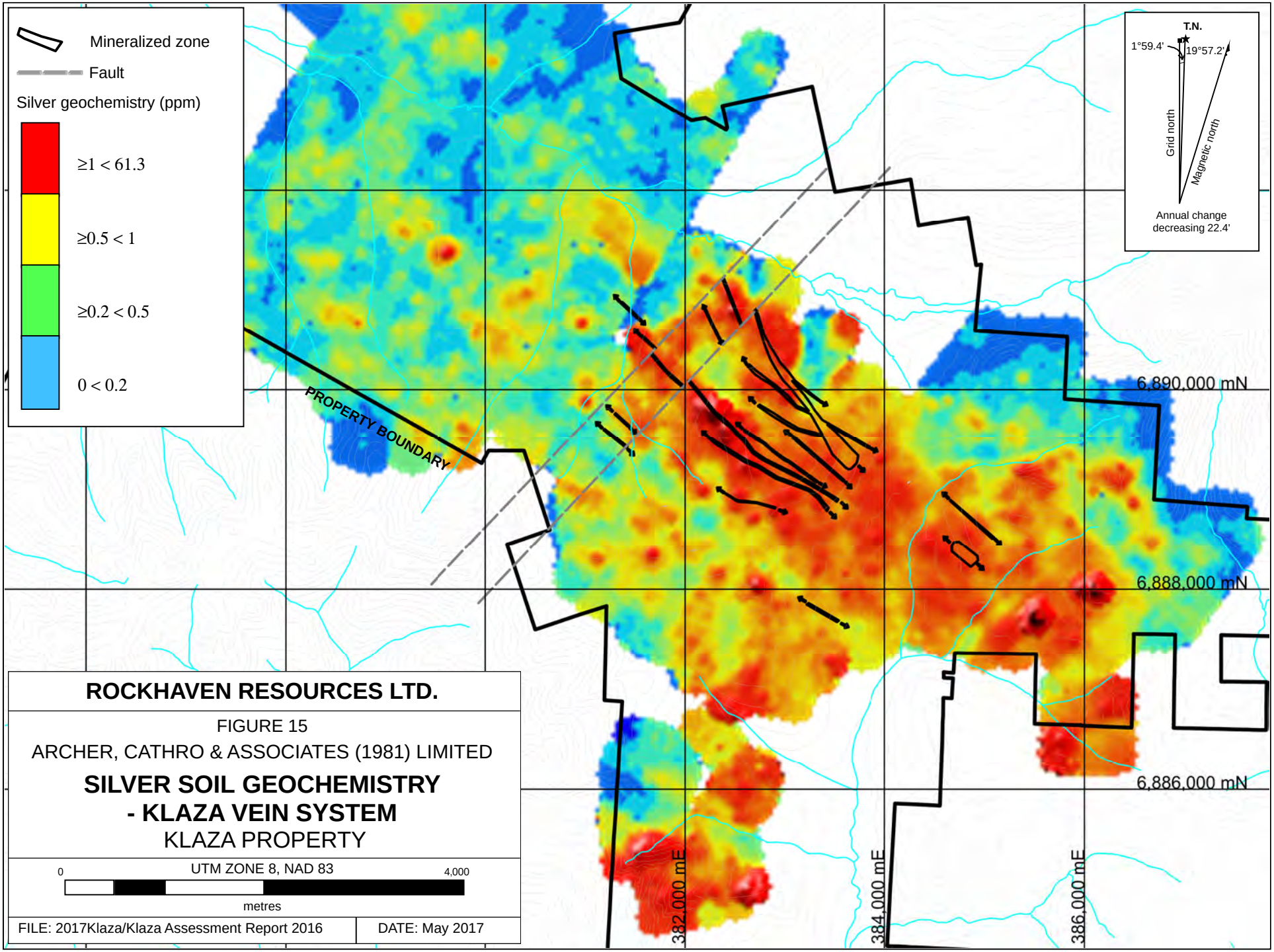
KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 4,000

metres

FILE: 2017/Klaza/Klaza Assessment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER SOIL GEOCHEMISTRY - KLAZA VEIN SYSTEM

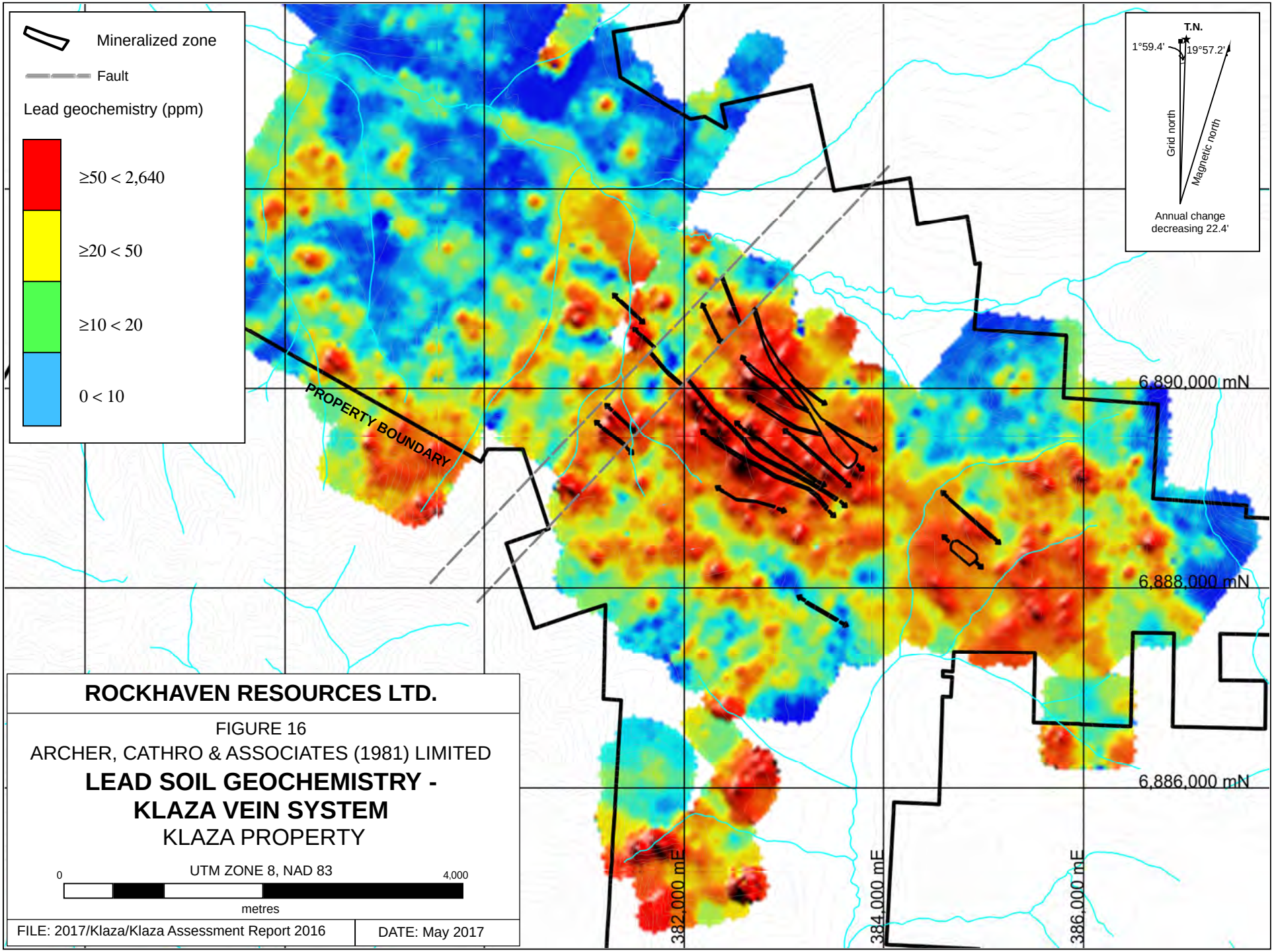
KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 4,000

metres

FILE: 2017Klaza/Klaza Assessment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD SOIL GEOCHEMISTRY - KLAZA VEIN SYSTEM

KLAZA PROPERTY

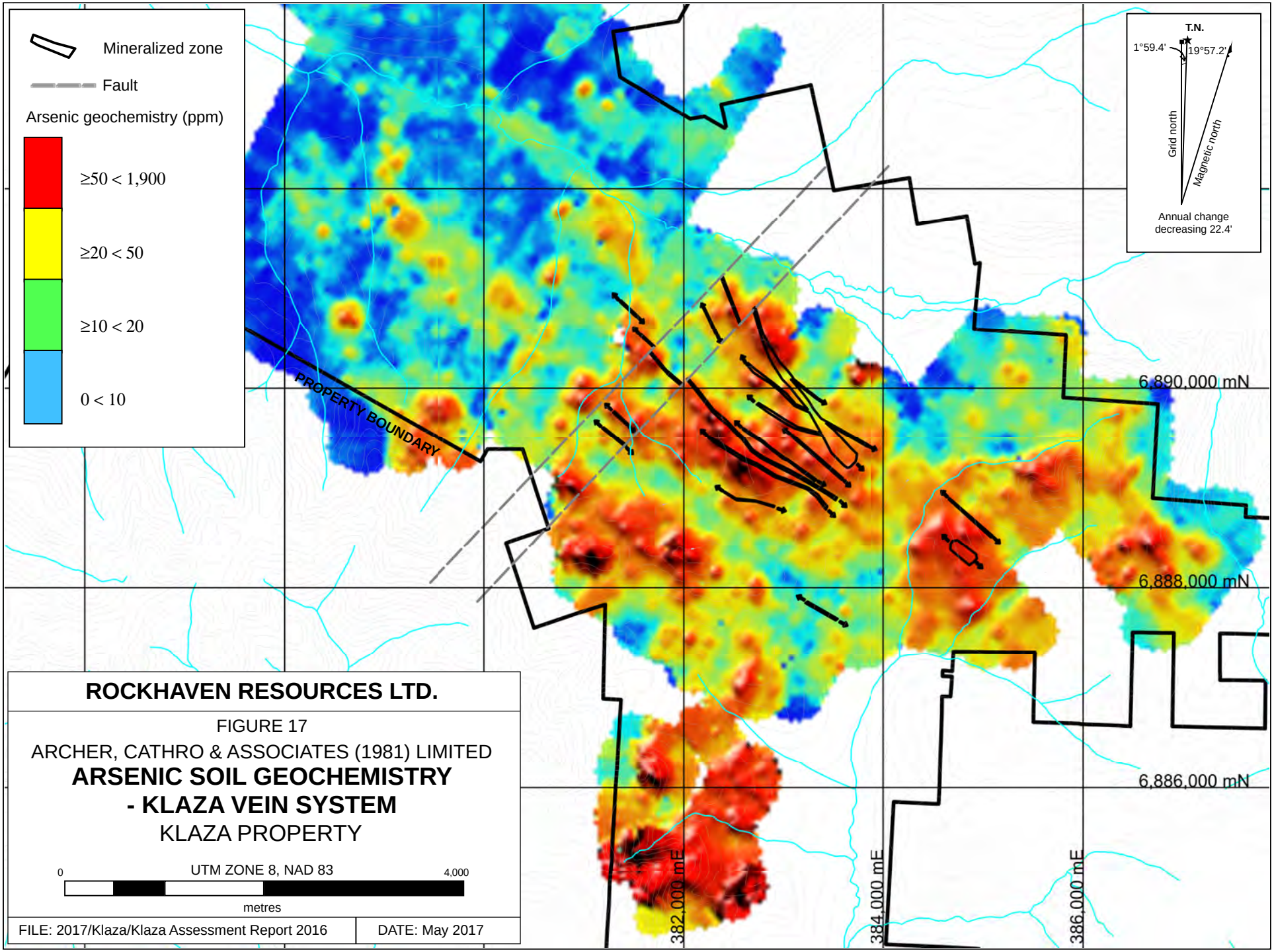
UTM ZONE 8, NAD 83

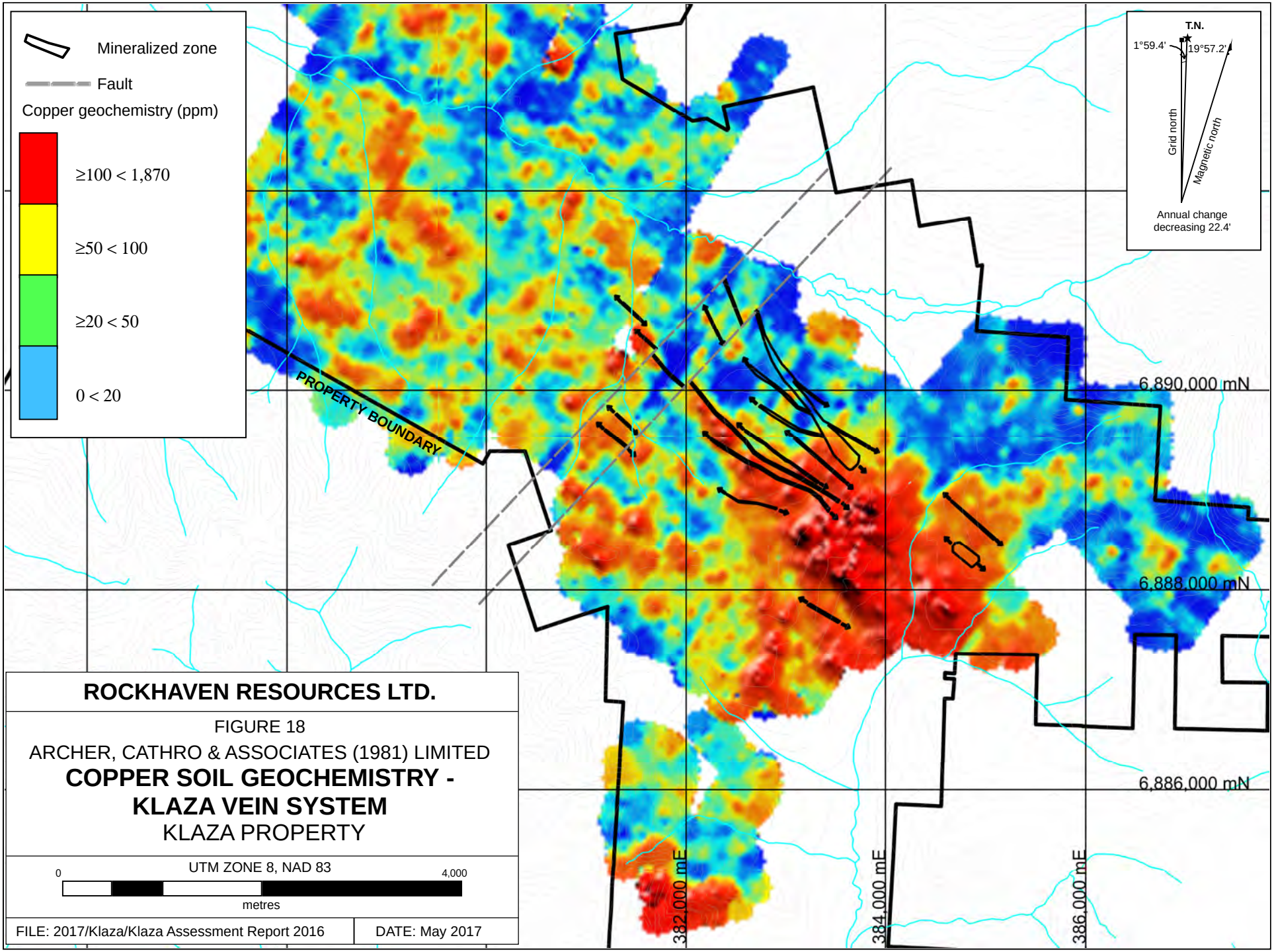
0 4,000

metres

FILE: 2017/Klaza/Klaza Assessment Report 2016

DATE: May 2017


Mineralized zone
Fault
Arsenic geochemistry (ppm)
≥50 < 1,900
≥20 < 50
≥10 < 20
0 < 10
PROPERTY BOUNDARY
T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
6,890,000 mN
6,888,000 mN
6,886,000 mN
382,000 mE
384,000 mE
386,000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC SOIL GEOCHEMISTRY
- KLAZA VEIN SYSTEM
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
4,000
metres
FILE: 2017/Klaza/Klaza Assessment Report 2016
DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER SOIL GEOCHEMISTRY - KLAZA VEIN SYSTEM

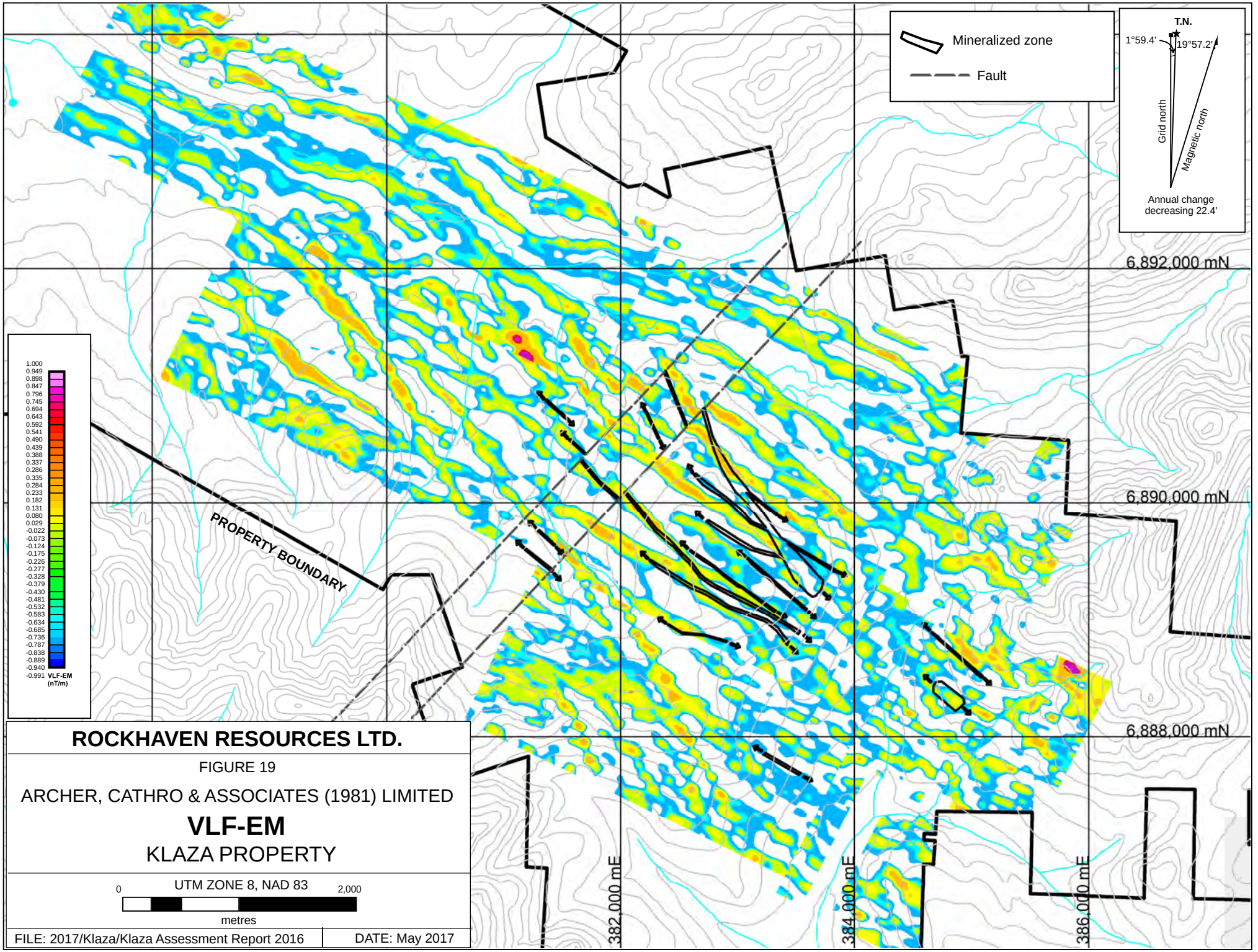
KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 4,000

metres

FILE: 2017/Klaza/Klaza Assessment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

VLF-EM

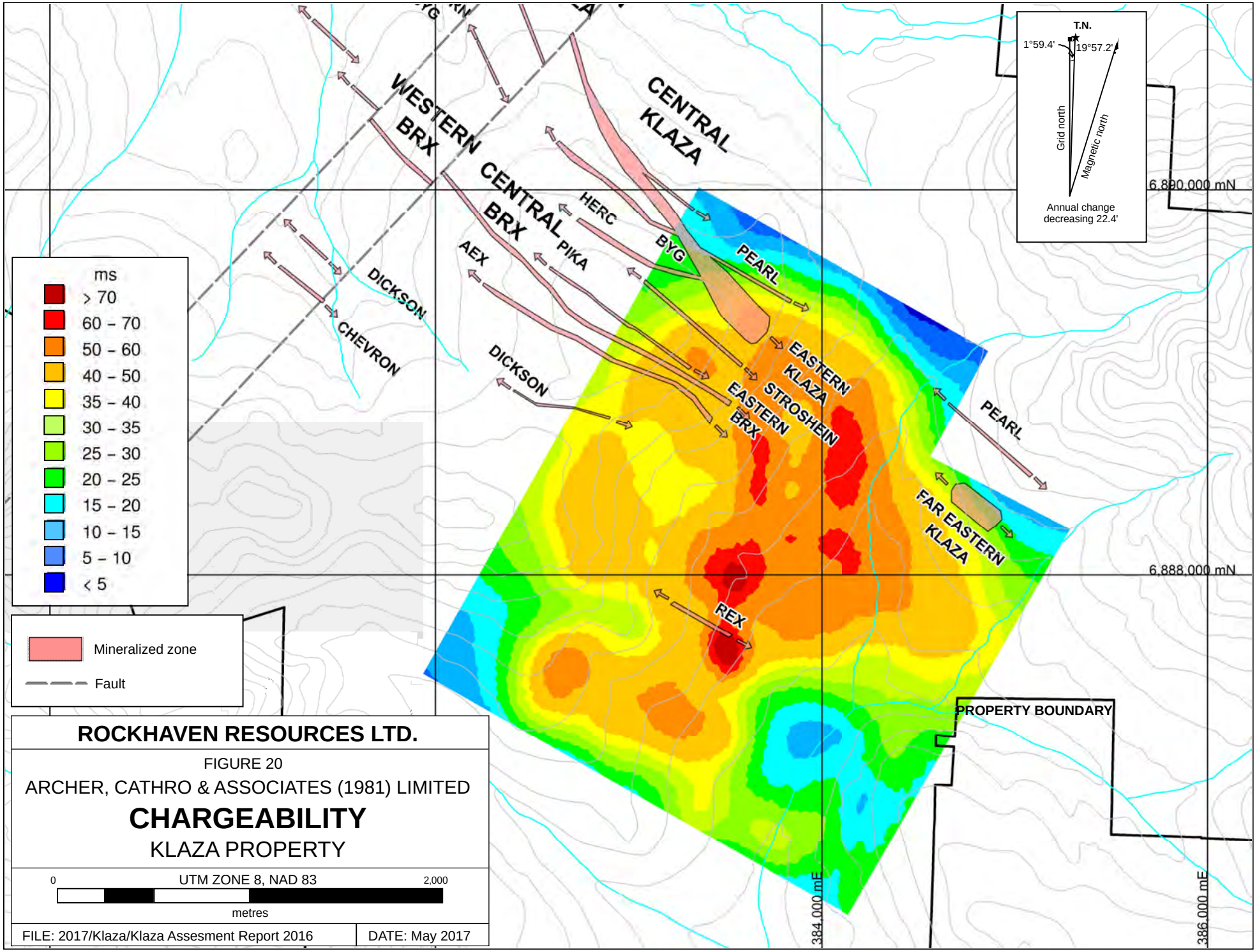
KLAZA PROPERTY

UTM ZONE 8, NAD 83

0 2,000

metres

FILE: 2017/Klaza/Klaza Assessment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 20

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

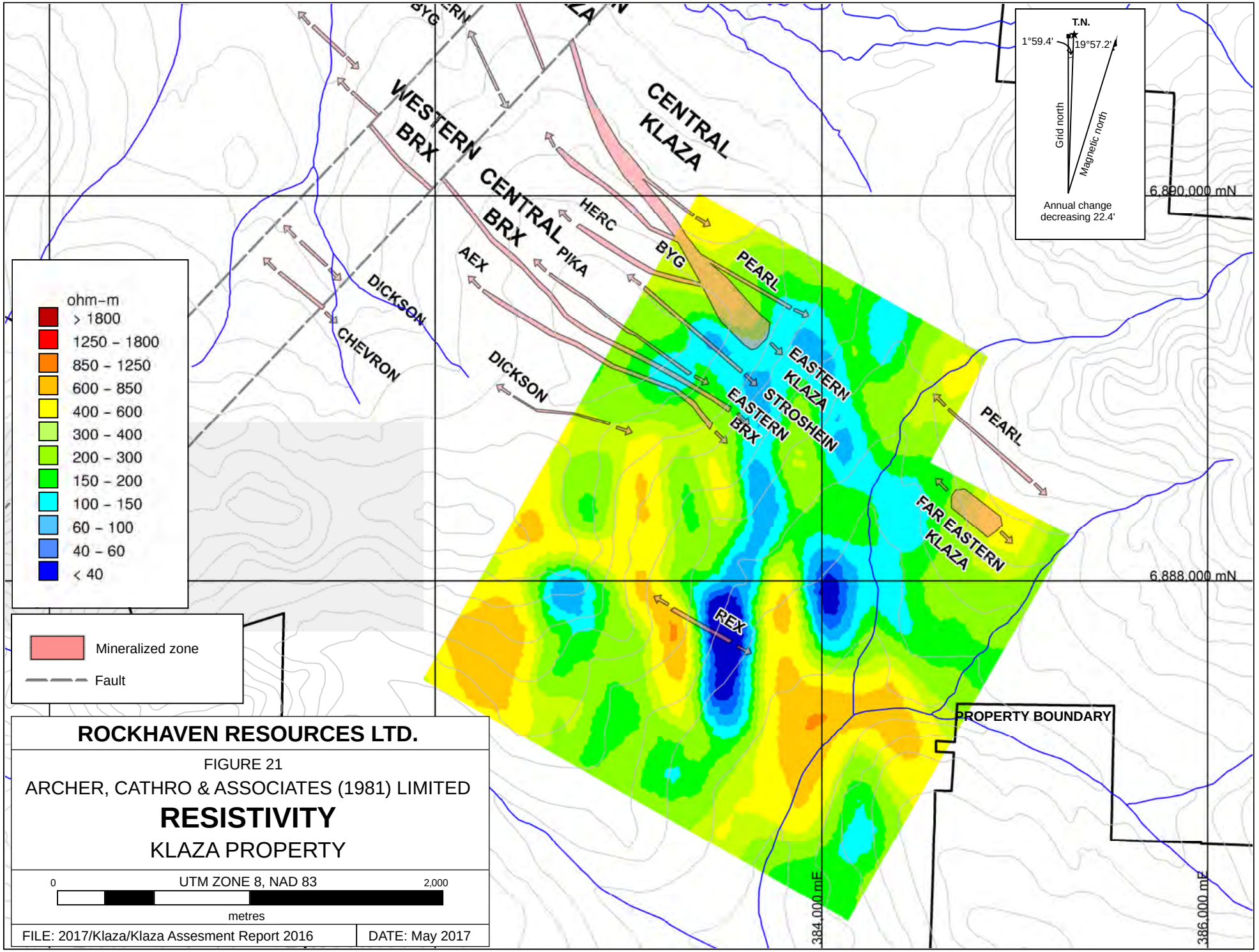
CHARGEABILITY

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 2,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 21

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

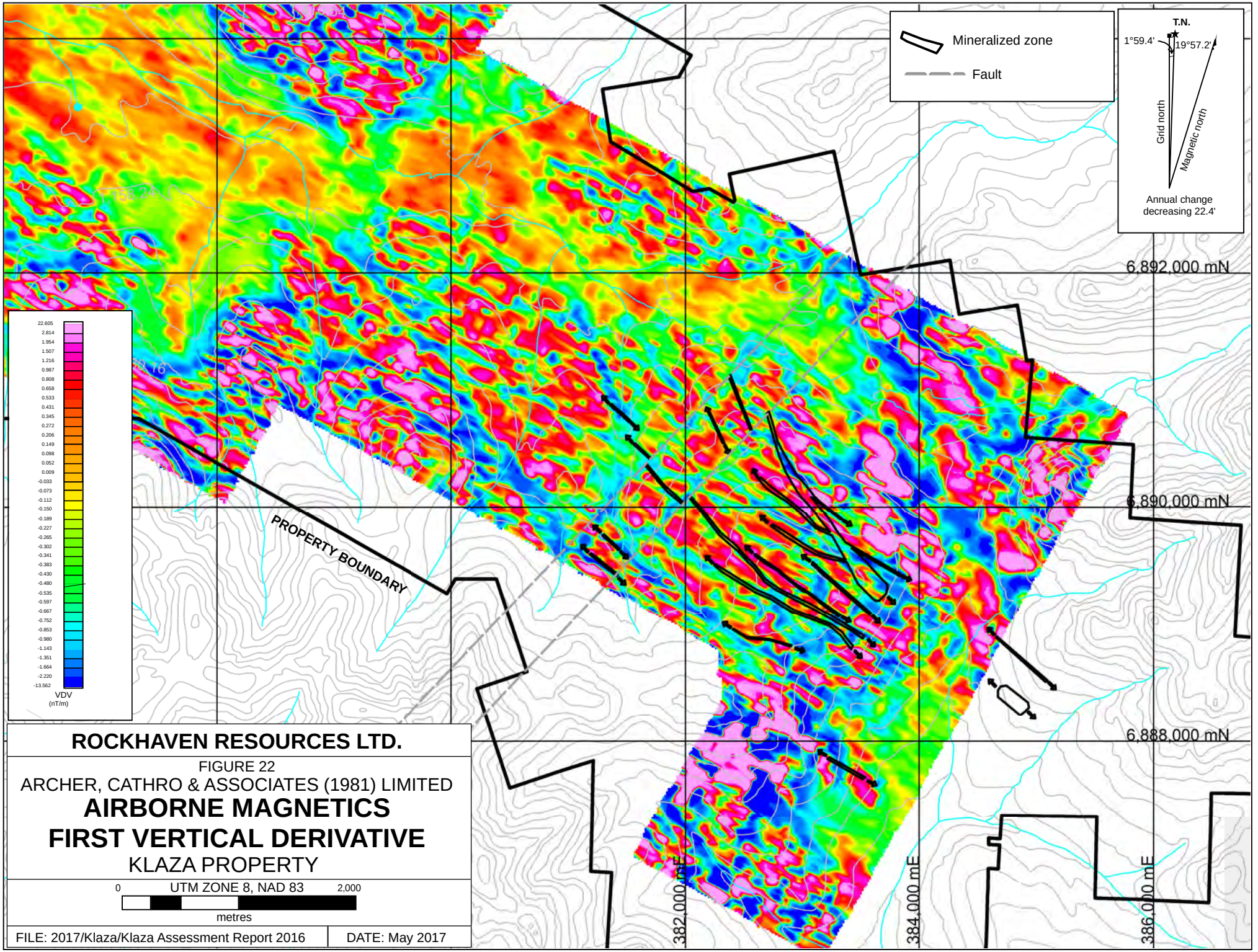
RESISTIVITY

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 2,000

metres

FILE: 2017/Klaza/Klaza Assesment Report 2016 | DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 22

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

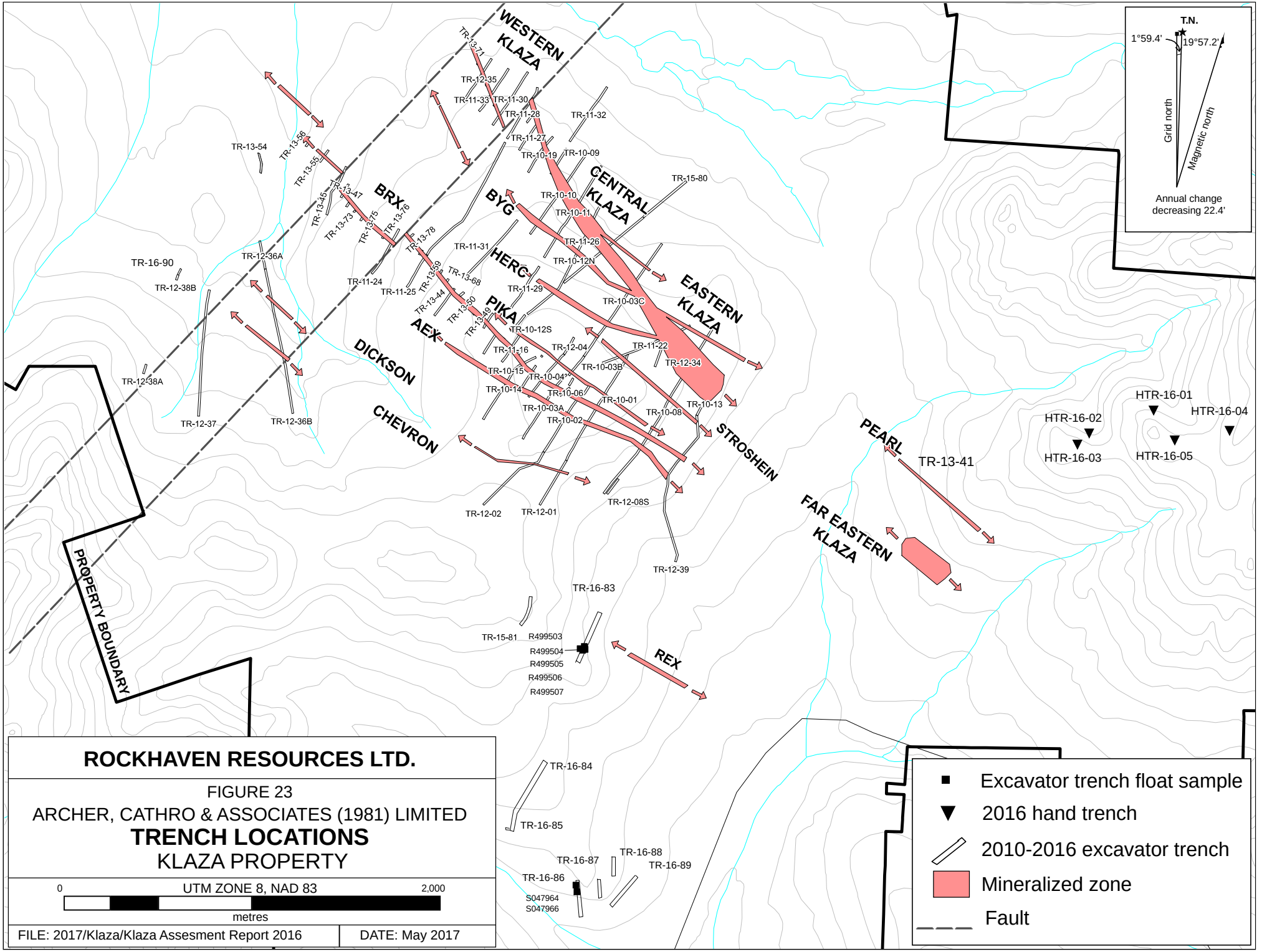
AIRBORNE MAGNETICS
FIRST VERTICAL DERIVATIVE

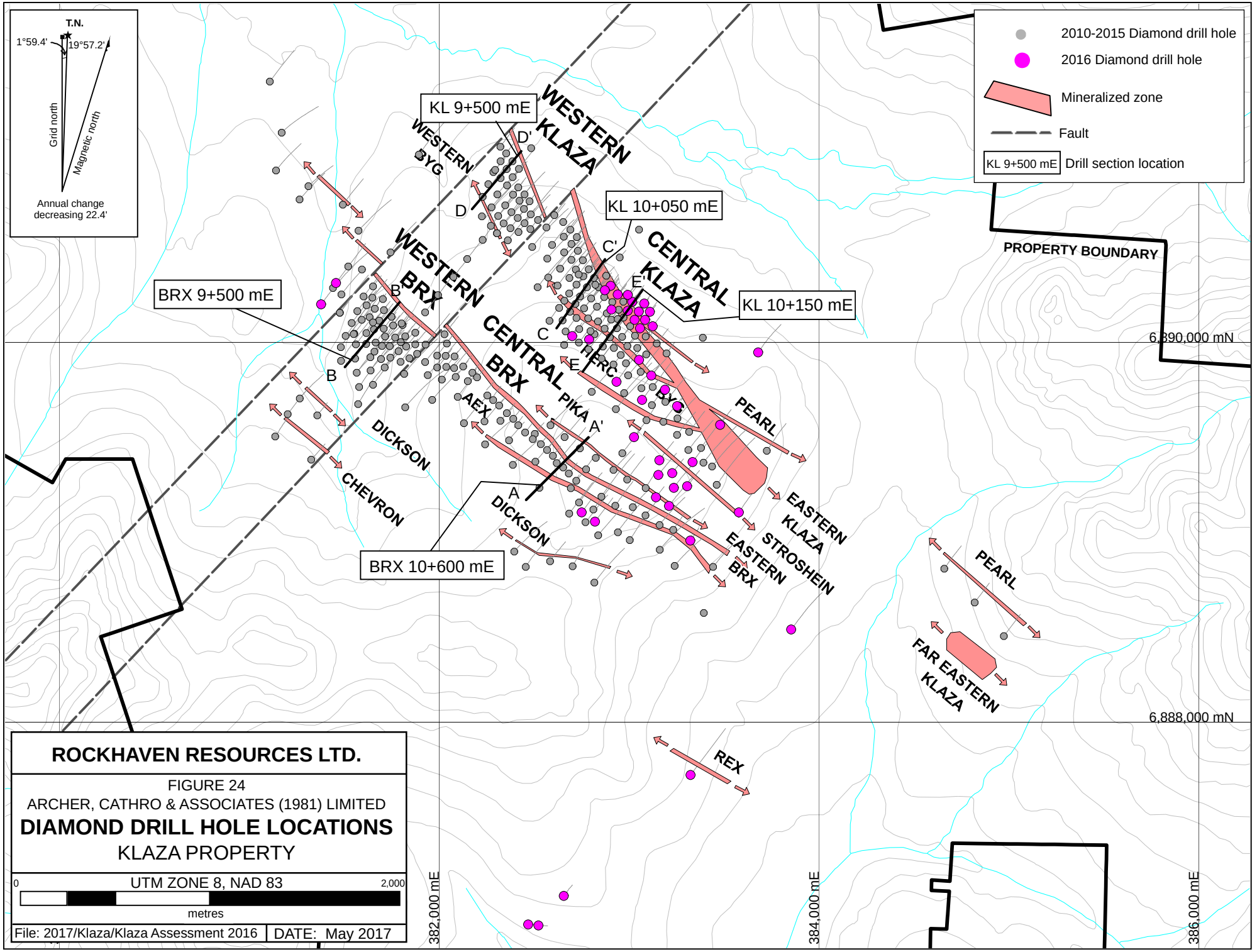
KLAZA PROPERTY

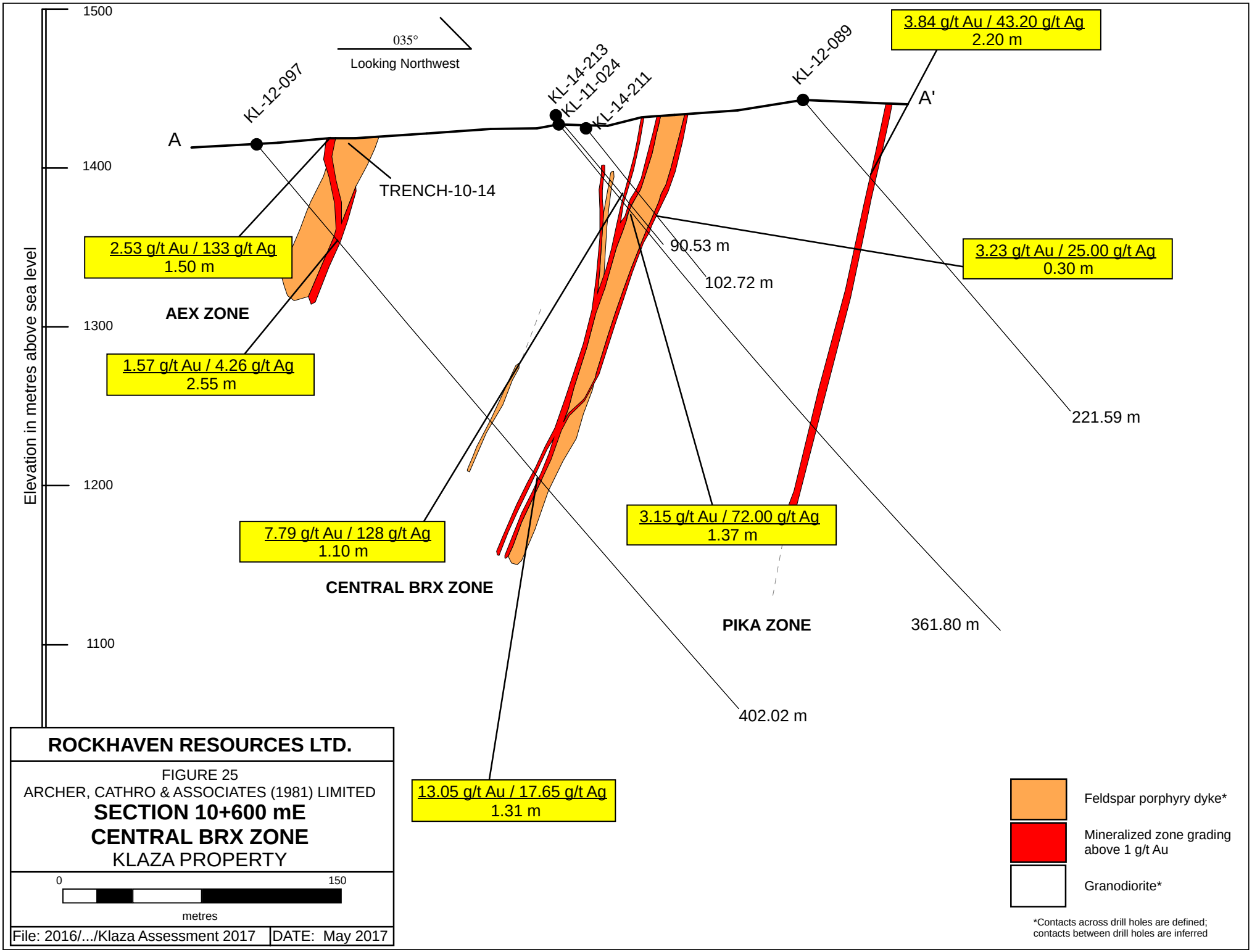
0 UTM ZONE 8, NAD 83 2,000

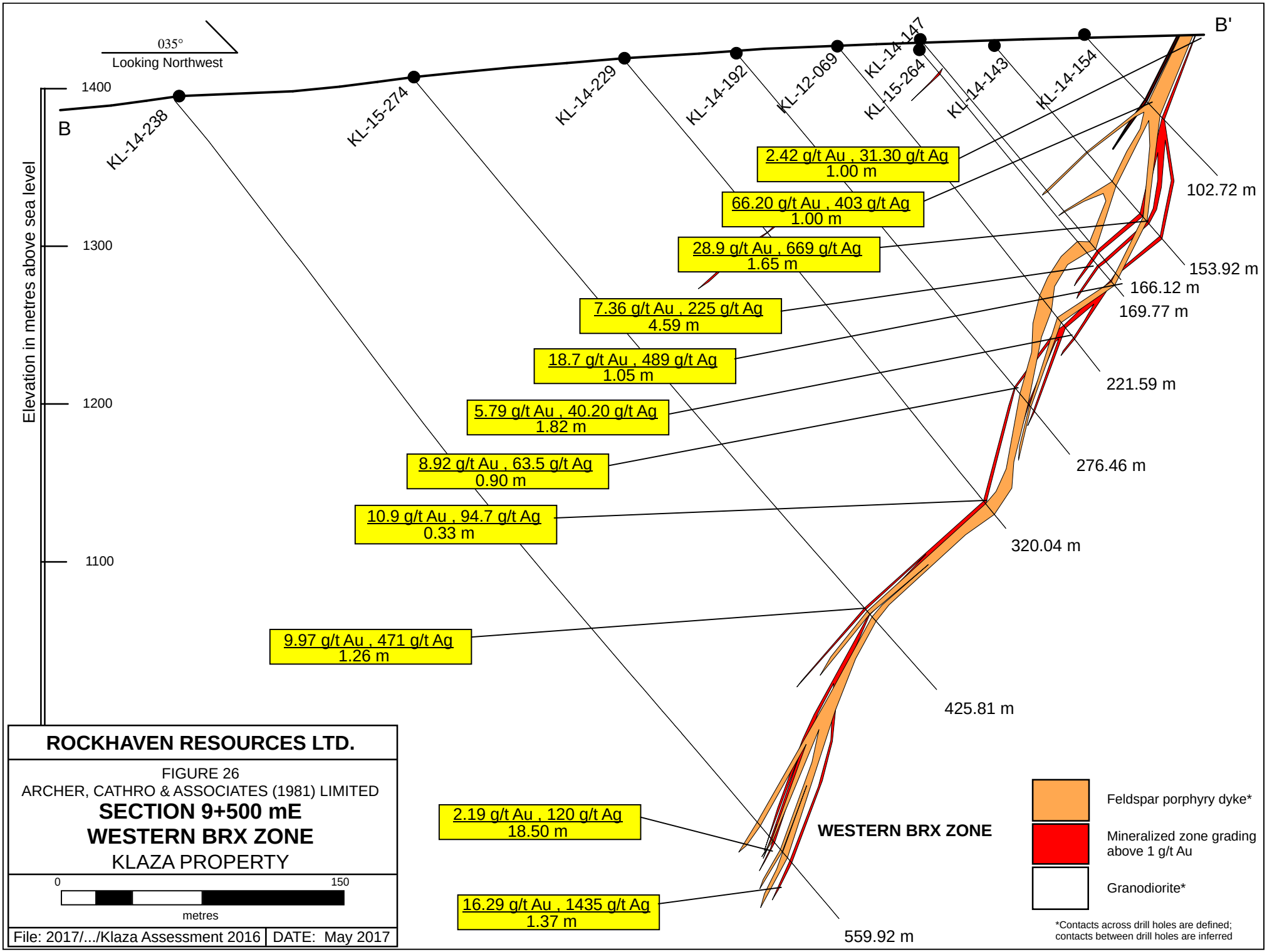
metres

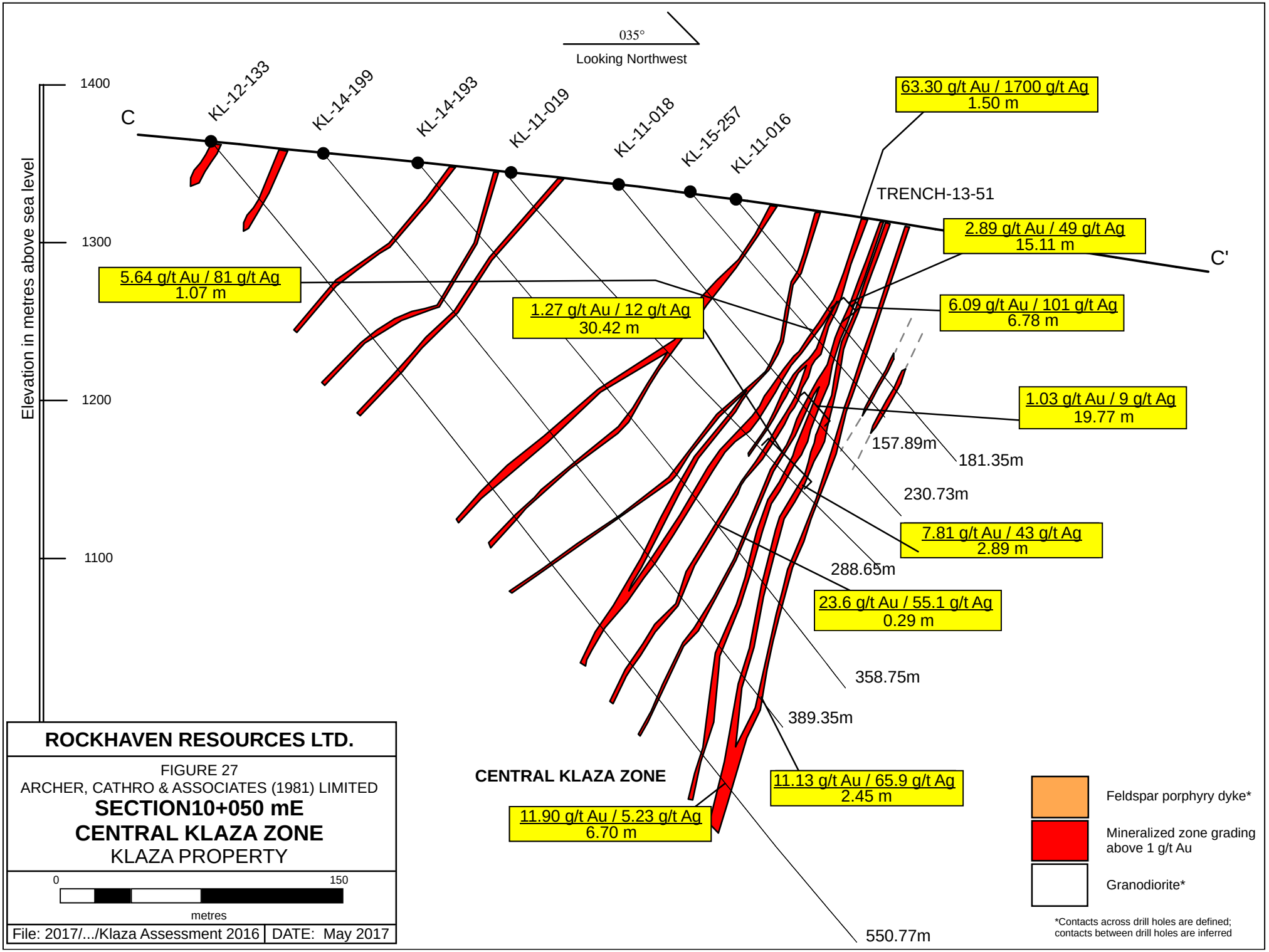
FILE: 2017/Klaza/Klaza Assessment Report 2016 | DATE: May 2017

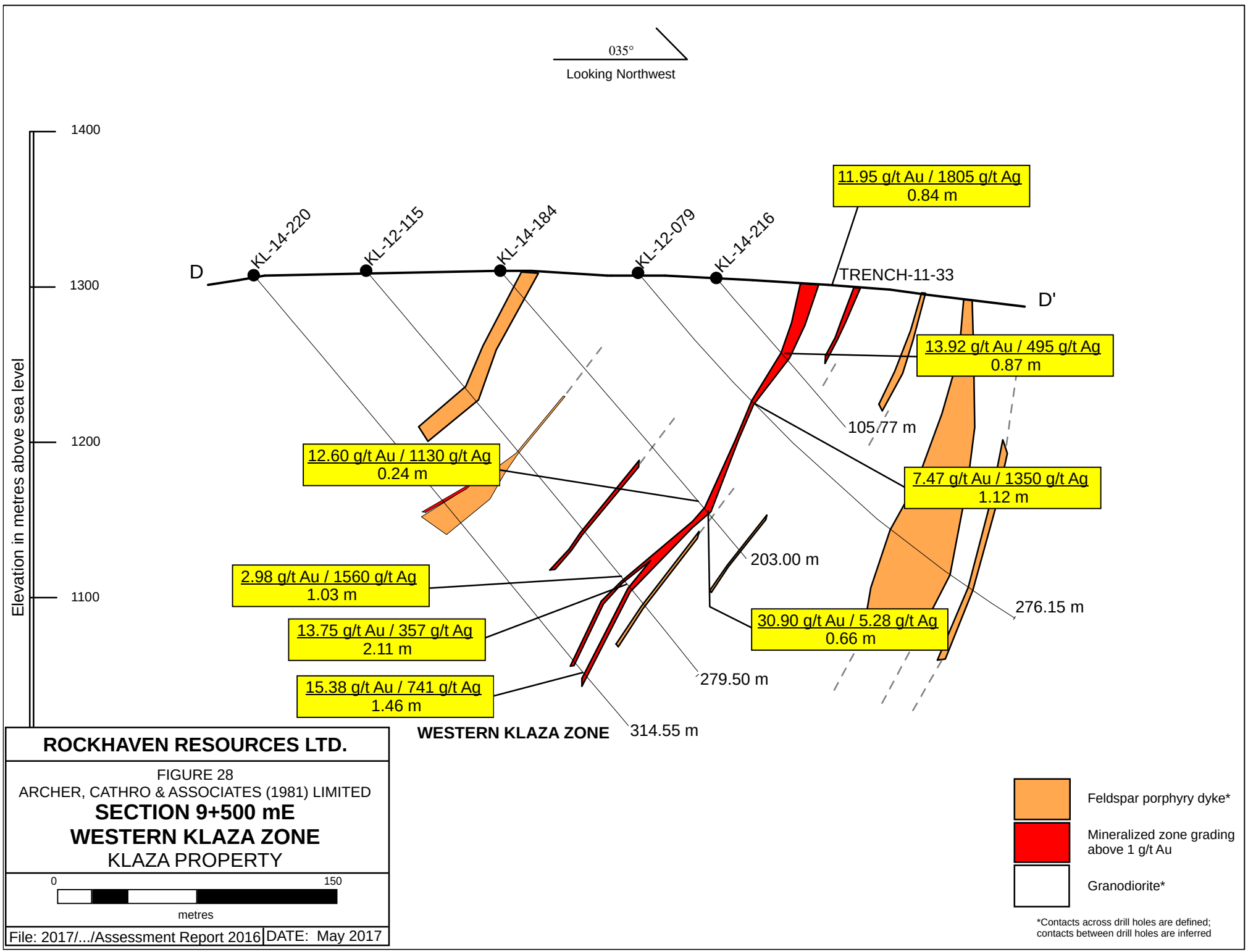

WESTERN KLAZA
CENTRAL KLAZA
EASTERN KLAZA
FAR EASTERN KLAZA
BRX
BYG
HERC
PIKA
AEX
DICKSON
CHEVRON
PEARL
STROSHEIN
REX
PROPERTY BOUNDARY
TR-13-71
TR-12-35
TR-11-33
TR-11-30
TR-11-28
TR-11-32
TR-11-27
TR-10-19
TR-10-09
TR-15-80
TR-10-10
TR-10-11
TR-11-26
TR-10-12N
TR-10-03C
TR-11-29
TR-11-31
TR-10-12S
TR-11-16
TR-12-04
TR-11-22
TR-12-34
TR-10-15
TR-10-04
TR-10-03B
TR-10-14
TR-10-06
TR-10-01
TR-10-13
TR-10-03A
TR-10-08
TR-10-02
TR-12-08S
TR-12-02
TR-12-01
TR-12-39
TR-13-54
TR-13-56
TR-13-55
TR-13-45
TR-13-47
TR-13-73
TR-13-75
TR-13-76
TR-13-78
TR-11-24
TR-11-25
TR-13-59
TR-13-68
TR-13-44
TR-13-50
TR-13-49
TR-16-90
TR-12-38B
TR-12-36A
TR-12-38A
TR-12-37
TR-12-36B
TR-13-41
HTR-16-01
HTR-16-02
HTR-16-03
HTR-16-04
HTR-16-05
TR-16-83
TR-15-81
R499503
R499504
R499505
R499506
R499507
TR-16-84
TR-16-85
TR-16-87
TR-16-88
TR-16-89
TR-16-86
S047964
S047966
T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change decreasing 22.4'
Excavator trench float sample
2016 hand trench
2010-2016 excavator trench
Mineralized zone
Fault
ROCKHAVEN RESOURCES LTD.
FIGURE 23
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH LOCATIONS
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
2,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017


T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
2010-2015 Diamond drill hole
2016 Diamond drill hole
Mineralized zone
Fault
KL 9+500 mE
Drill section location
KL 9+500 mE
KL 10+050 mE
KL 10+150 mE
BRX 9+500 mE
BRX 10+600 mE
WESTERN KLAZA
WESTERN BYG
WESTERN BRX
CENTRAL KLAZA
CENTRAL BRX
CENTRAL PIKA
AEX
HERC
BYG
PEARL
DICKSON
CHEVRON
EASTERN KLAZA
EASTERN STROSHEIN
EASTERN BRX
FAR EASTERN KLAZA
REX
PROPERTY BOUNDARY
6,890,000 mN
6,888,000 mN
382,000 mE
384,000 mE
386,000 mE
A
A'
B
B
C
C'
D
D'
E
E'
ROCKHAVEN RESOURCES LTD.
FIGURE 24
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DIAMOND DRILL HOLE LOCATIONS
KLAZA PROPERTY
UTM ZONE 8, NAD 83
0
2,000
metres
File: 2017/Klaza/Klaza Assessment 2016
DATE: May 2017


1500
1400
1300
1200
1100
Elevation in metres above sea level
035°
Looking Northwest
A
A'
KL-12-097
KL-14-213
KL-11-024
KL-14-211
KL-12-089
TRENCH-10-14
3.84 g/t Au / 43.20 g/t Ag
2.20 m
2.53 g/t Au / 133 g/t Ag
1.50 m
AEX ZONE
1.57 g/t Au / 4.26 g/t Ag
2.55 m
90.53 m
102.72 m
3.23 g/t Au / 25.00 g/t Ag
0.30 m
221.59 m
7.79 g/t Au / 128 g/t Ag
1.10 m
CENTRAL BRX ZONE
3.15 g/t Au / 72.00 g/t Ag
1.37 m
PIKA ZONE
361.80 m
402.02 m
13.05 g/t Au / 17.65 g/t Ag
1.31 m
ROCKHAVEN RESOURCES LTD.
FIGURE 25
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 10+600 mE
CENTRAL BRX ZONE
KLAZA PROPERTY
0
150
metres
File: 2016/.../Klaza Assessment 2017
DATE: May 2017
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred


035°
Looking Northwest
B
B'
KL-14-238
KL-15-274
KL-14-229
KL-14-192
KL-12-069
KL-15-264
KL-14-147
KL-14-143
KL-14-154
Elevation in metres above sea level
1400
1300
1200
1100
2.42 g/t Au , 31.30 g/t Ag
1.00 m
66.20 g/t Au , 403 g/t Ag
1.00 m
28.9 g/t Au , 669 g/t Ag
1.65 m
7.36 g/t Au , 225 g/t Ag
4.59 m
18.7 g/t Au , 489 g/t Ag
1.05 m
5.79 g/t Au , 40.20 g/t Ag
1.82 m
8.92 g/t Au , 63.5 g/t Ag
0.90 m
10.9 g/t Au , 94.7 g/t Ag
0.33 m
9.97 g/t Au , 471 g/t Ag
1.26 m
2.19 g/t Au , 120 g/t Ag
18.50 m
16.29 g/t Au , 1435 g/t Ag
1.37 m
102.72 m
153.92 m
166.12 m
169.77 m
221.59 m
276.46 m
320.04 m
425.81 m
559.92 m
WESTERN BRX ZONE
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred
ROCKHAVEN RESOURCES LTD.
FIGURE 26
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 9+500 mE
WESTERN BRX ZONE
KLAZA PROPERTY
0
150
metres
File: 2017/.../Klaza Assessment 2016
DATE: May 2017


035°
Looking Northwest
1400
1300
1200
1100
Elevation in metres above sea level
C
C'
KL-12-133
KL-14-199
KL-14-193
KL-11-019
KL-11-018
KL-15-257
KL-11-016
TRENCH-13-51
63.30 g/t Au / 1700 g/t Ag
1.50 m
2.89 g/t Au / 49 g/t Ag
15.11 m
5.64 g/t Au / 81 g/t Ag
1.07 m
1.27 g/t Au / 12 g/t Ag
30.42 m
6.09 g/t Au / 101 g/t Ag
6.78 m
1.03 g/t Au / 9 g/t Ag
19.77 m
157.89m
181.35m
230.73m
7.81 g/t Au / 43 g/t Ag
2.89 m
288.65m
23.6 g/t Au / 55.1 g/t Ag
0.29 m
358.75m
389.35m
CENTRAL KLAZA ZONE
11.13 g/t Au / 65.9 g/t Ag
2.45 m
11.90 g/t Au / 5.23 g/t Ag
6.70 m
550.77m
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred
ROCKHAVEN RESOURCES LTD.
FIGURE 27
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION10+050 mE
CENTRAL KLAZA ZONE
KLAZA PROPERTY
0
150
metres
File: 2017/.../Klaza Assessment 2016
DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 28

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION 9+500 mE

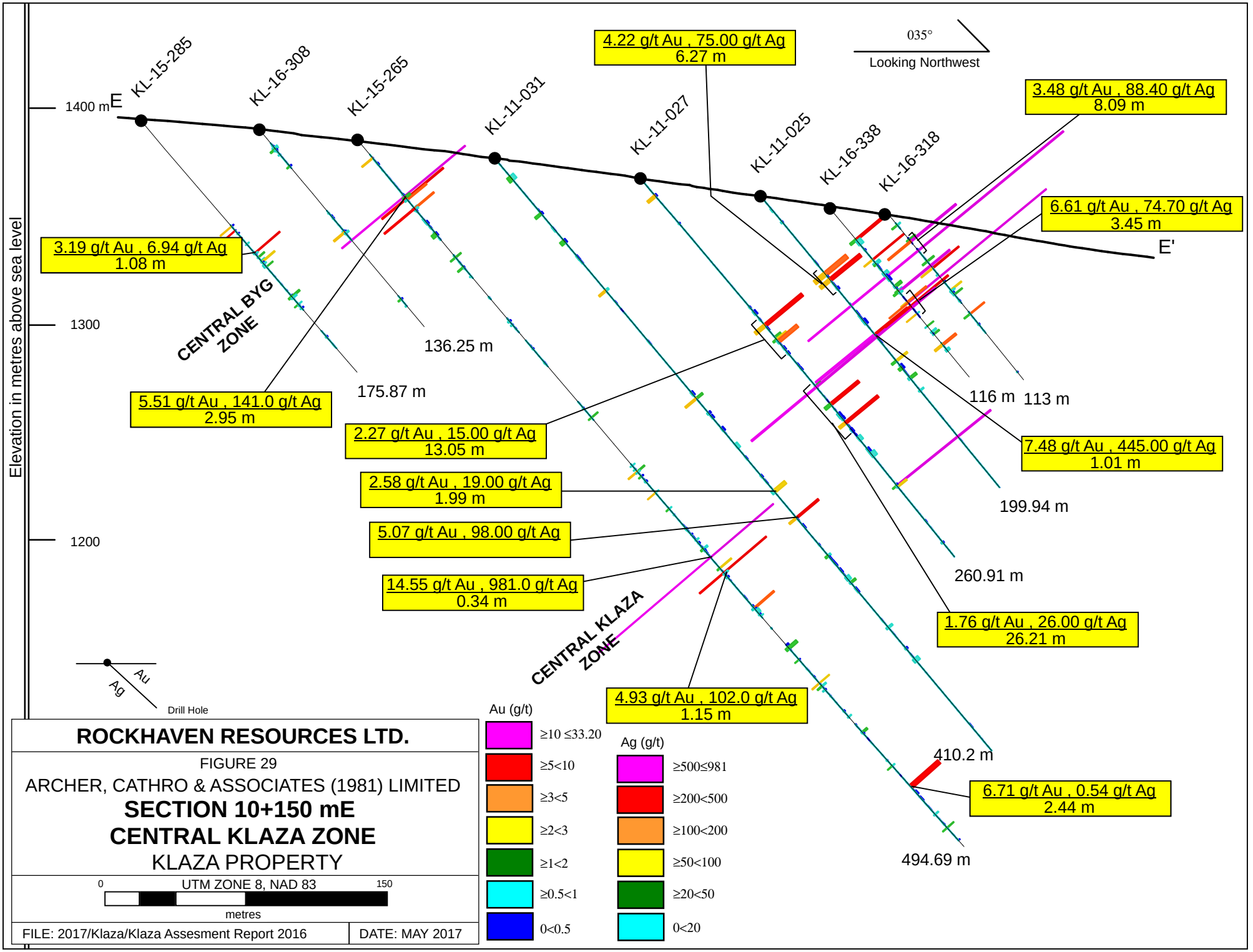
WESTERN KLAZA ZONE

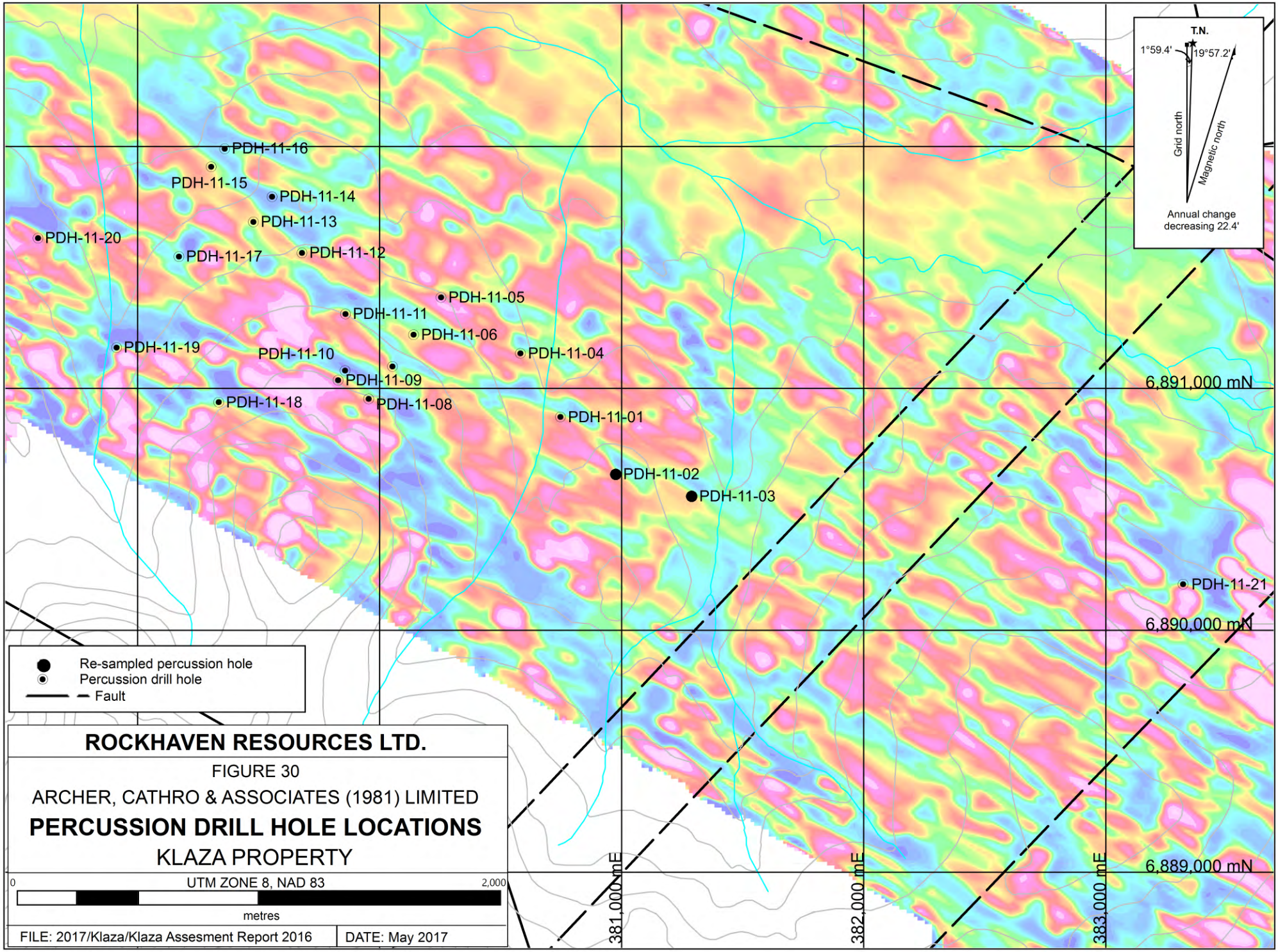
KLAZA PROPERTY

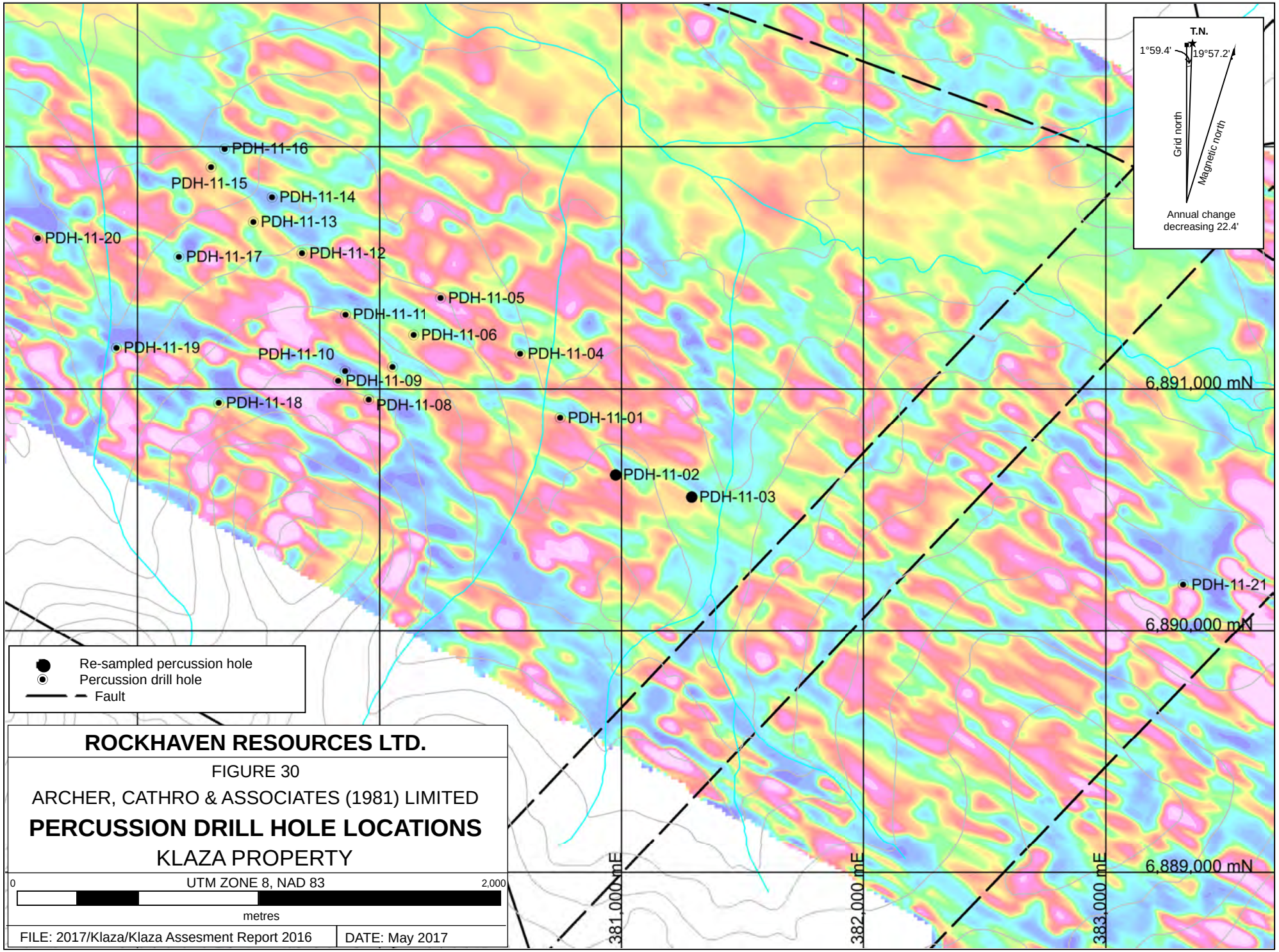
0 150

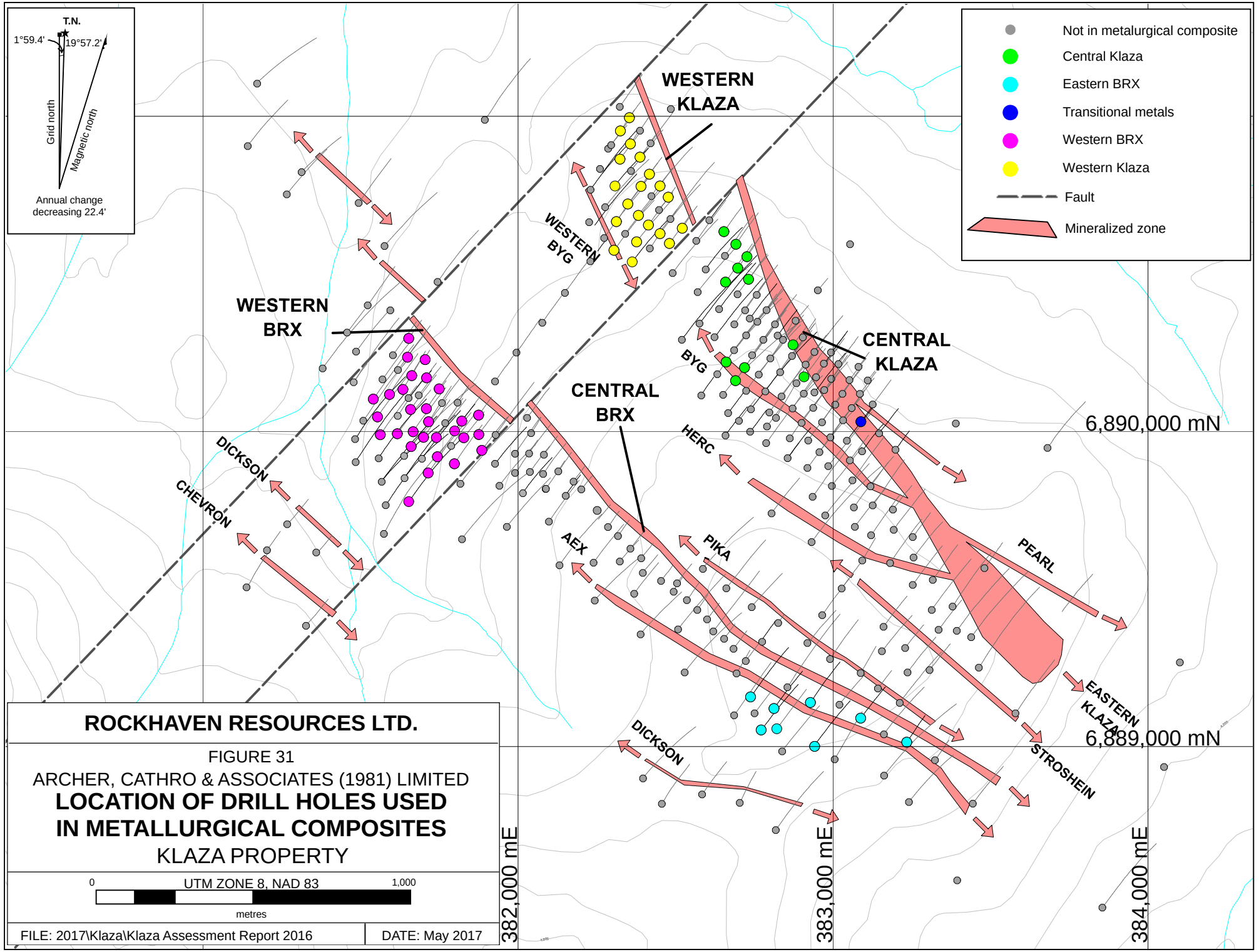
metres

File: 2017/.../Assessment Report 2016 | DATE: May 2017


Elevation in metres above sea level
1400 m
1300
1200
E
E'
035°
Looking Northwest
KL-15-285
KL-16-308
KL-15-265
KL-11-031
KL-11-027
KL-11-025
KL-16-338
KL-16-318
4.22 g/t Au , 75.00 g/t Ag
6.27 m
3.48 g/t Au , 88.40 g/t Ag
8.09 m
6.61 g/t Au , 74.70 g/t Ag
3.45 m
3.19 g/t Au , 6.94 g/t Ag
1.08 m
CENTRAL BYG ZONE
136.25 m
175.87 m
5.51 g/t Au , 141.0 g/t Ag
2.95 m
2.27 g/t Au , 15.00 g/t Ag
13.05 m
116 m
113 m
7.48 g/t Au , 445.00 g/t Ag
1.01 m
2.58 g/t Au , 19.00 g/t Ag
1.99 m
199.94 m
5.07 g/t Au , 98.00 g/t Ag
14.55 g/t Au , 981.0 g/t Ag
0.34 m
260.91 m
1.76 g/t Au , 26.00 g/t Ag
26.21 m
CENTRAL KLAZA ZONE
4.93 g/t Au , 102.0 g/t Ag
1.15 m
410.2 m
6.71 g/t Au , 0.54 g/t Ag
2.44 m
494.69 m
Au
Ag
Drill Hole
Au (g/t)
≥10 ≤33.20
≥5<10
≥3<5
≥2<3
≥1<2
≥0.5<1
0<0.5
Ag (g/t)
≥500≤981
≥200<500
≥100<200
≥50<100
≥20<50
0<20
ROCKHAVEN RESOURCES LTD.
FIGURE 29
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 10+150 mE
CENTRAL KLAZA ZONE
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
150
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: MAY 2017


T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
PDH-11-16
PDH-11-15
PDH-11-14
PDH-11-13
PDH-11-20
PDH-11-17
PDH-11-12
PDH-11-05
PDH-11-11
PDH-11-06
PDH-11-19
PDH-11-10
PDH-11-04
PDH-11-09
PDH-11-18
PDH-11-08
PDH-11-01
PDH-11-02
PDH-11-03
PDH-11-21
6,891,000 mN
6,890,000 mN
6,889,000 mN
381,000 mE
382,000 mE
383,000 mE
Re-sampled percussion hole
Percussion drill hole
Fault
ROCKHAVEN RESOURCES LTD.
FIGURE 30
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PERCUSSION DRILL HOLE LOCATIONS
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
2,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017


T.N.
1°59.4'
19°57.2'
Grid north
Magnetic north
Annual change
decreasing 22.4'
PDH-11-16
PDH-11-15
PDH-11-14
PDH-11-13
PDH-11-20
PDH-11-17
PDH-11-12
PDH-11-05
PDH-11-11
PDH-11-06
PDH-11-19
PDH-11-10
PDH-11-04
PDH-11-09
PDH-11-18
PDH-11-08
PDH-11-01
PDH-11-02
PDH-11-03
PDH-11-21
6,891,000 mN
6,890,000 mN
6,889,000 mN
381,000 mE
382,000 mE
383,000 mE
Re-sampled percussion hole
Percussion drill hole
Fault
ROCKHAVEN RESOURCES LTD.
FIGURE 30
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PERCUSSION DRILL HOLE LOCATIONS
KLAZA PROPERTY
0
UTM ZONE 8, NAD 83
2,000
metres
FILE: 2017/Klaza/Klaza Assesment Report 2016
DATE: May 2017



ROCKHAVEN RESOURCES LTD.

FIGURE 31

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LOCATION OF DRILL HOLES USED IN METALLURGICAL COMPOSITES

KLAZA PROPERTY

0 UTM ZONE 8, NAD 83 1,000

metres

FILE: 2017\Klaza\Klaza Assessment Report 2016 | DATE: May 2017