2017 Assessment Report for the Geological and Geochemical Investigation of the Justin Property Yukon Territory

Volume I – Report

61º39'N, 128º6'W

NTS Mapsheet 105 H 09

Watson Lake Mining District

Claim Name	Grant Number
JUSTIN 1 - 25	YB59913 - YB70829
SP 1 - 50	YC73232 - YC73281
SP 51 - 55	YD65452 - YD65456
SP 57 - 88	YD87903 - YD87934
SP 89 - 207	YF33001 - YF33119
VF1 - 144	YD25701 - YD25844

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Work Performed from August 8th – September 24th, 2017

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INTRODUCTION

Field Program Objectives

The 2017 field program focused on two areas of the Justin Property: the Confluence zone and the Lost Ace zone. The Lost Ace zone was the primary focus of the program. Field crews conducted a detailed soil sampling and trenching program in an attempt to locate the source of highly anomalous (>99th percentile) gold-in-soil results from the 2014 program. The objective of the work completed in the Confluence zone was to follow-up on a Bi-Te±Au anomaly that was first identified through soil sampling during the 2012 field program.

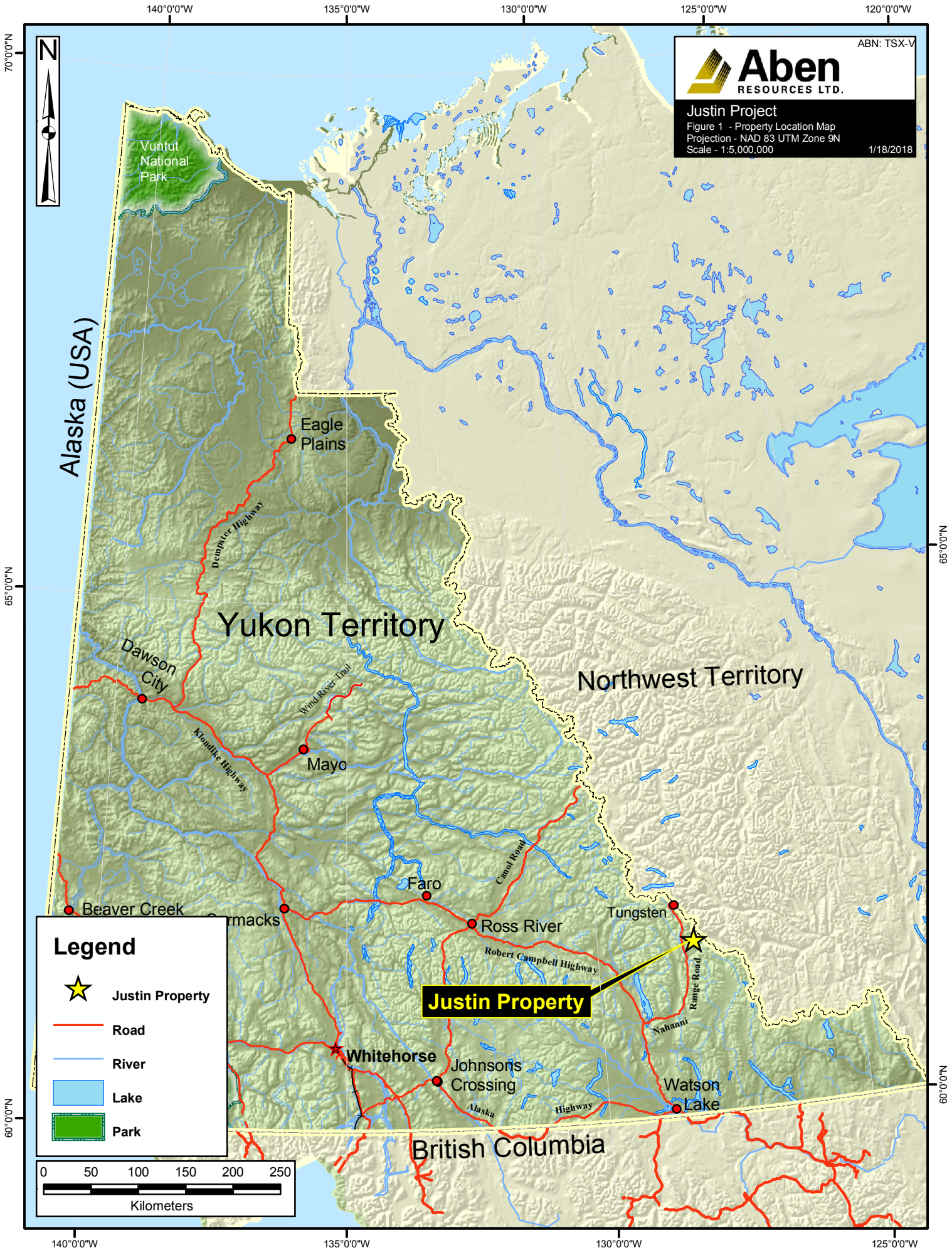
Location and Access

The Justin Property is located in southeastern Yukon Territory approximately 190 kilometres north of Watson Lake (Figure 1). The claim group is located within the Watson Lake Mining District, NTS Mapsheet 105 H 09 with a centroid latitude and longitude position of 61º39'N, 128º6'W. The property consists of 376 Quartz Claims (Justin 1-25; SP 1-207; VF 1-144) administered by the Watson Lake Mining Recorder which are owned 100% by Aben Resources.

The Nahanni Range Road passes through the western portion of the property. The road was rehabilitated in 2002 with the re-opening of the CANTUNG tungsten-copper mine and provides all-weather, all-season access to the property area.

Helicopter access to the property is equidistant from bases in Watson Lake or Ross River. Equipment and personnel can be mobilized from the Justin Base Camp located at kilometre 143 of the Nahanni Range Road.

The property is covered by fairly rugged glaciated terrain typical of the Logan Mountains with elevations ranging from 1300 to 2000 meters. A prominent ridge underlies most of the property, with steep south facing slopes and somewhat more moderate north facing slopes. The property is crossed with several N-S trending valleys with deep WNW trending glacial valleys along the northern and southern property boundaries.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Aben
RESOURCES LTD.
Justin Project
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:5,000,000
1/18/2018
N
140°0'0"W
135°0'0"W
130°0'0"W
125°0'0"W
120°0'0"W
70°0'0"N
65°0'0"N
60°0'0"N
Vuntut National Park
Alaska (USA)
Eagle Plains
Dempster Highway
Yukon Territory
Northwest Territory
Dawson City
Wind River Trail
Klondike Highway
Mayo
Faro
Canol Road
Beaver Creek
Ross River
Tungsten
Robert Campbell Highway
Justin Property
Nahanni Range Road
Whitehorse
Johnsons Crossing
Watson Lake
Alaska Highway
British Columbia
Legend
Justin Property
Road
River
Lake
Park
0 50 100 150 200 250
Kilometers

Tenure

The property consists of 376 Quartz claims located on the Ostensibility Creek Mapsheet (105 H 09) within the Watson Lake Mining District (Figure 2). The claims are owned 100% by Aben Resources Ltd., with an underlying 1% NSR carried by Bernie Kreft of Whitehorse, Yukon and an underlying 2% NSR held by Gold Royalties Corporation. Aben Resources holds the right to purchase one-half of the Justin royalties from Gold Royalties and all of the Justin royalties held by Bernie Kreft for a one time cash payment of $1,000,000 each.

Table 1 – Tenure Summary for the Justin Property

District	Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Status	Map Number
Watson Lake	YB59913 - YB70829	JUSTIN 1 - 25	ABEN RESOURCES LTD. - 100%	29/11/2031	Active	105H09
Watson Lake	YC73232 - YC73281	SP 1 - 50	ABEN RESOURCES LTD. - 100%	29/11/2031	Active	105H09
Watson Lake	YD65452 - YD65456	SP 51 - 55	ABEN RESOURCES LTD. - 100%	29/11/2029	Active	105H09
Watson Lake	YD87903 - YD87934	SP 57 - 88	ABEN RESOURCES LTD. - 100%	29/11/2025	Active	105H09
Watson Lake	YF33001 - YF33119	SP 89 - 142	ABEN RESOURCES LTD. - 100%	29/11/2022	Active	105H09
Watson Lake	YF33055 - YF33119	SP 143 - 207	ABEN RESOURCES LTD. - 100%	29/11/2026	Active	105H09
Watson Lake	YD25701- YD25808	VF1 - 108	ABEN RESOURCES LTD. - 100%	18/10/2018	Active	105H09
Watson Lake	YD25809- YD25844	VF109 - 144	ABEN RESOURCES LTD. - 100%	18/10/2022	Active	105H09

ABN: TSX-V

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Justin Project

Figure 2 - Tenure Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:30,000 1/18/2018

N

540000 545000 550000

6850000 6845000 6840000 6835000 6830000

Little Hyland River

Piggott Creek

Nahanni Range Road

Road

Sugar Bowl

LOST ACE

POW

Main

CONFLUENCE

King

Tiny

Big Swifty

Legend

- Minfile Location
- Road
- River
- Index Contour
- Contour (20m)
- Waterbody
- Wetland
- Justin Tenure Outline
- Justin Tenure Quartz Claims

0 1 2 3 4 5
Kilometers

History and Previous Work

The Justin Property area was first explored in 1964, when a Norquest Joint Venture staked the RAIN claim to cover skarn and replacement style pyrite, pyrrhotite, and chalcopyrite mineralization. The Joint Venture carried out geological mapping and a surface magnetic survey in 1965. The area was re-staked as the BJ claim in 1975 by B. Corrigan and again in 1980 by Majestic Mg. Corporation as the SUN claim group. Majestic optioned the claims to Vancliffe Resource Corporation. In 1981, Waterloo Energy Corp tied on the Lightning claims to the south and staked a separate block two kilometres south of the SUN Claims. Vista Resources tied on two more SUN claims in 1987. A 1987 joint venture between Vista, Vancliffe, and Conquest drilled four holes across the "Main Skarn zone" to test for copper-gold mineralization. Noranda Exploration tied on the PTAR claims along the north side in 1988, and E.G. Sykes staked two additional SUN claims in 1990. The claims all lapsed in the early 1990s.

In June 1995 Bernie Kreft of Whitehorse staked the JUSTIN 1-4 claims to cover the central "Main Skarn zone" area and carried out limited prospecting to the southeast. The claims were optioned by Hemlo Gold Mines Inc in 1995, which staked the JUSTIN 5-25 claims to the east, west and south of the Justin Property in October 1995.

In 1996, Hemlo carried out reconnaissance exploration in the area that led to the staking of the SPROGGE 1-74 Claims southwest of the Justin Property. The entire claim group was consolidated as the Sprogge Property under a 1997 option agreement with Viceroy Exploration, which conducted geologic mapping, prospecting, soil sampling, and limited hand trenching. The option was transferred to Nova Gold Resources in 1999 as part of an underlying deal. Nova Gold dropped their option on the JUSTIN 1-25 Claims in 2000. The claims were optioned by Eagle Plains Resources Ltd., from property owner Bernie Kreft in 2001.

In 2010 Eagle Plains Resources Ltd conducted a 16 day field program with a crew of 5 workers and a 207 line-kilometre airborne geophysical survey. The focus of the program was to evaluate and re-sample the known mineralization occurrences and locate further mineralization on the property. The purpose of the airborne geophysical survey was to locate any buried intrusions and major structural features that could be controlling and influencing mineralization on the property. A total of 135 rock samples, 61 silt samples, and 209 soil samples were taken over the course of the program.

The 2010 exploration program on the property was successful in outlining an abundance of mineralized occurrences returning greater than 1.00 g/t Au. Channel sampling from the Confluence and Main zone, and chip sampling from the Kangas zone confirmed and expanded on the historical results. The Main zone returned results as high as 11.00 m grading 1.40 g/t Au, 3.0 g/t Ag, and 0.18 % Cu, including 3.00 m grading 3.04 g/t Au, 4.0 g/t Ag, and 0.22 % Cu as well as 7.00 m at 2.07 g/t Au, including 3.00 m grading 3.15 g/t Au. The Confluence zone returned results including 1.60 g/t Au, 2.4 g/t Ag over 4.00 m while the Kangas zone returned 1.50 m grading 2.85 g/t Au, 4.2 g/t Ag.

The airborne geophysical survey conducted in 2010 was successful in outlining potential target areas of coincident magnetic and electromagnetic anomalies.

Follow up of the geophysical survey late in the 2010 field program led to the discovery of a new mineral occurrence in the northwestern portion of the property adjacent to a previously unknown intrusive stock. The new mineral occurrence has been named the POW zone. It exhibits mineralization styles similar to both the Main and Confluence zones. Results from 2010 include 0.50 g/t Au over 3.00 m in a chip sample: grab samples from different locations within the zone returned values up to 2.40 g/t Au in skarn mineralization and 3.00 g/t Au in mineralized quartz-calcite veins.

The 2011 exploration program consisted of 58 field days, of which the primary focus was to drill-test mineral occurrences outlined by previous exploration activities. Four zones of interest were explored during the 2011 program: the Main skarn zone, Kangas zone, Confluence zone, and the POW zone. The latter three of these zones were drill tested for the first time.

A small component of mapping, prospecting, and soil sampling occurred concurrently with diamond drilling activities to follow up on the POW zone discovery. A total of 2,020 metres of NQ-size core was drilled in 10 diamond drill holes. A total of 1,374 drill core samples, 52 rock samples, 1 silt sample, and 63 soil samples were collected over the duration of the program. All samples were shipped to ALS Minerals in Whitehorse, YT, Canada for preparation and then transported to ALS Minerals in Vancouver, BC, Canada for analysis.

The 2011 exploration program was successful in confirming gold±silver mineralization at all four zones. Of importance was the significant discovery of gold-bearing skarn and stockwork veining within the POW zone, highlighted in diamond drill holes JN11009 and JN11010. Highlights from the POW zone include 60.00 metres grading 1.19 g/t Au (JN11009) and 11.30 metres grading 2.70 g/t Au, 29.0 g/t Ag (JN11010). The POW zone and the immediate surrounding area is currently believed to hold the greatest potential to host an economic deposit on the Justin property.

Results from the Main Skarn zone and the Confluence zone were encouraging as they prove that gold mineralization extends below their respective surface expressions. Highlights from the Confluence zone include 4.60 m grading 1.15 g/t Au. Highlights from the Main zone include 0.25 m grading 5.37 g/t Au. Although the economic potential of these zones appears limited at this time, the results do prove that elevated concentrations of precious metals occur in both zones. The

widespread mineralization is thought to be indicative of one large interconnected intrusion-related hydrothermal system.

The surficial geochemical program in 2011 focused on mapping, prospecting, and sampling of the POW zone. Prospecting efforts returned several samples containing gold±silver mineralization. Highlights from the POW zone include grab samples returning values up to 8.97 g/t gold and 84.1 g/t silver (MMJNR034) from quartz-calcite veining, and chip samples returning up to 0.86 g/t gold and 18.4 g/t silver over 1.20 metres from a breccia zone (MMJNR029). Reconnaissance mapping, prospecting, rock sampling, and one soil line were conducted south and west of the Confluence zone. No significant results were obtained from these regions during the two days spent on the ground. Further exploration was recommended for the southeast quadrant of the property to follow-up on anomalous geochemical and geophysical targets defined by 2010 exploration activities.

Encouraged by the 2011 results, Aben Resources Ltd., set out in 2012 with another aggressive exploration program to follow up on the POW zone results with concurrent exploration on outlier areas of the Justin property.

Nine diamond drill holes totaling 1994 metres were drilled during the 2012 field season, expanding the known extents of the POW zone and greatly enhancing the understanding of the local geology. Highlights from the 2012 diamond drilling include 46.60 metres grading 1.49 g/t Au in JN12011, 5.40 metres grading 4.12 g/t Au in JN12016, and 21.90 metres grading 1.06 g/t Au in JN12018.

Reconnaissance geochemical surveys were conducted on both the Justin and VF properties during the 2012 program to evaluate the potential for expanding known zones of mineralization and discovering new prospective zones of mineralization.

The 2014 exploration program, focusing on 2 main areas of interest (AOI), consisted of 52 person days collecting 60 channel samples from 4 trenches, 24 rock grab samples, re-analysis of 230 drill core samples, 4 silt samples and 151 soil samples covering 7.5 line-kilometers. The first AOI was designed to delineate the extent of hard rock mineralization found at the surface in the POW zone and surrounding area. The first AOI contained specific target areas which were selected using favorable geochemical results from the 2012 program. The second AOI focused on a newly identified hard rock massive-sulphide (pyrite-marcasite) showing called the Big Swifty in the southeastern most part of the tenure. The showing was identified after initial prospecting and geochemical sampling of the 2012 program. Further geochemical surveys and geological mapping were completed in 2014 to provide a more comprehensive evaluation of the Big Swifty target area and its relationship to the intrusion-related gold system in the central and northern portions of the property.

As a follow-up to the 2010-2012 discovery of auriferous skarn and sheeted quartz vein arrays in the POW zone four trenches were mapped at a scale of 1:100 which further refined the metasedimentary stratigraphy of the Yusezyu Formation – Hyland Group.

A total of 24 rock grab samples (12 from POW zone and 12 from Big Swifty zone) were collected during the 2014 program. From the POW zone one subcrop sample of quartz pebble conglomerate provided anomalously high results and a consistent geochemical signature observed in the mineralized veins of the POW zone. The assay results of the anomalous sample were: 311 ppb Au, 12.1% As, 5.5 ppm Bi, 15.5 ppm Sb and 0.85 ppm Te. Five samples from the Big Swifty area returned weakly to highly anomalous assay results. Weakly anomalous results were returned from a carbonatite dyke (JBJNR015) and from the Big Swifty showing (JBJNR019 and MMJNR110). The highly anomalous results were cobble sized fragments of ferricrete within a talus slide at the contact between the Yusezyu Formation and the Gull Lake Formation. The assay results were 45.0 % Zn, 6.9 % Pb, 54.3 ppm Ag, 111 ppm Hg, 5394 ppm Bi and 31.2 ppm Sb.

A total of 151 soil samples from 6 lines (7.5 line-kilometres) were collected at 50.0 m spacing. The POW zone soil sampling identified an area of highly anomalous (>99th percentile) gold-in-soil values. Specifically, samples JNL024 13+75W and JNL024 14+00W returned values of 67 ppb Au and 2410 ppb Au respectively within 250.0 m of a magnetic high signature. The Big Swifty soil analysis provided 4 consecutive samples (JNL026 01+00E to 05+50E) with gold-in-soil results >95th percentile. Silt samples did not return anomalous gold values, however, Zn values of up to 385 ppm were reported.

60 rock chip/channel samples from 4 trenches were completed during the 2014 program located within the POW zone. Trench TR14-004 returned the most favorable results with 0.92 g/t Au over 13.15 m including 1.15 g/t Au over 7.90 m and 2.76 g/t Au over 1.90 m.

Tungsten reconnaissance sampling involved re-analysis of 230 drill core samples from 7 of the 9 previously drilled POW zone holes. Previous multi-element ICP analysis of the samples was deemed inappropriate for quantitative analyses of tungsten so re-analysis involved W-XRF05 and W-XRF10 testing. High-grade tungsten mineralization was observed to be preferentially concentrated at the contact between granite porphyry and metasedimentary rocks. Sample JN12016 provided the most favorable results: 0.39 % WO_3 over 8.50 m (104.7 to 113.2 m) with a peak concentration of 1.12 % WO_3 over 1.0 m (106.3 to 107.3 m).

The Justin property, and the POW zone specifically, represents a new discovery of mineral styles representing a reduced intrusion-related gold system (IRGS). The gold system developed in a region of the Yukon previously better known for

tungsten, and contributes to further increasing the region's development as a new and emerging gold district (Hart, 2012).

GEOLOGY

Regional Geology

Refer to Figure 3 – Regional Geology Map

The Justin property lies within the Selwyn Mountains and is underlain by a sequence of Selwyn Basin stratigraphy at least 1.5 kilometres thick, composed primarily of shallow marine shelf and off-shelf sedimentary rock derived from the ancient North American Platform. Strata were deposited from late Precambrian to Permian time, with accelerated deposition coinciding with periods of continental uplift, creating specific stratigraphic “Groups”.

The Justin area is underlain primarily by Late Precambrian to Early Cambrian Hyland Group stratigraphy, consisting primarily of phyllite, calcareous phyllite, and coarse clastic sediments, with lesser limestone and dolostone. The fine sediments represent a shallow marine depositional environment, typical of a back-arc basin, although the coarse clastics may represent regions of deltaic or possibly submarine channel emplacement. Tectonic deformation and faulting has resulted in a pronounced northwest-southeast structural fabric which begins to “bend” southward near the North West Territories Border. The Hyland Group sequence is separated from the younger Cambrian Gull Lake Formation (comprised of very fine to coarse grained siliciclastics, limestones and greenschist) and the Cambrian-Ordovician Rabbitkettle Formation (comprised of thin to medium bedded limestones) to the north by a pronounced northwest-southeast trending fault, which is interpreted to represent a significant tectonic event. The regional structure was named the March Fault by Hart and Lewis in 2006 but further mapping of bedrock geology published by David Moynihan (2016 - 2018) has changed the interpretation of the fault. This re-interpretation has suggested the position of the regional controlling right lateral strike-slip fault (Hyland River Fault) is to the southwest of the Justin Claim. The regional extent and continuity of the previously described March Fault (herein referred to as Sprogge Fault) is not understood at this time.

The Justin claims are positioned near the eastern limit of a suite of alkaline intrusive rocks known as the Tombstone-Tungsten Plutonic Suite. This intrusive belt consists of a broad suite of mid-Cretaceous (± 91Ma) quartz monzonite stocks and plutons extending more than 400 kilometres ESE from just east of the Alaskan border to just beyond the western NWT border. The intrusives often occur as dykes and apophyses, associated with broad zones of hornfels. Tombstone-Tungsten Suite stocks have been emplaced locally within, and to the north of the Justin claims. These intrusives control most of the known mineralization in the area, most notably the Cantung skarn hosted tungsten deposit located 30 km to the north, and similar sub-economic mineralization underlying the Tuna Property located 10 km to the north. A biotite quartz monzonite to granodiorite stock and a suite of related quartz-feldspar porphyry and aplite dykes occur within the bounds of the Justin property and outcrop at the POW and Main zones.

The Justin claims occur where Selwyn Basin stratigraphy and the northwest-southeast regional structural fabric begins to curve southwards. Major fault controlled drainage's, primarily the Hyland and Little Hyland Rivers, show that major “linears” extend nearly north-south. Emplacement of the Tombstone-Tungsten Suite intrusions is interpreted to have occurred after the major regional faulting.

A preliminary assessment of the geology of the Hyland River area was conducted by the Yukon Geological Survey during the summer of 2012. Additional mapping done in the 2014-2016 field seasons allowed for further division of the Hyland River Group, specifically the Yusezyu Formation (Moynihan, 2016). The Lower Yusezyu has been subdivided into marble, recessive, resistant and undivided units. The Middle member of the formation was subdivided into a fetid limestone (useful marker bed), a mixed unit, grit, and mixed unit with dolostone. The Upper member contains undivided, sandstone/conglomerate, phyllite and limestone units.

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Justin Project
Figure 3 - Regional Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:200,000 1/18/2018

PLUTONIC ROCKS

MID-CRETACEOUS

mKgTu — **TUNGSTEN SUITE:** *biotite granodiorite, biotite quartz monzonite*

mKgTR — **TAY RIVER SUITE:** *biotite ± hornblende granodiorite, biotite quartz monzonite, hornblende and plagioclase-phyric dacite*

mKgH — **HYLAND SUITE:** *biotite granodiorite, quartz monzonite, porphyritic dacite; minor hornblende qtz diorite, quartz syenite*

SEDIMENTARY AND METASEDIMENTARY ROCKS

QUATERNARY

Q — **QUATERNARY:** *unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits*

UPPER CAMBRIAN TO LOWER ORDOVICIAN

COR — **RABBITKETTLE FORMATION:** *Thinly bedded and laminated cream, grey and buff-coloured argillaceous limestone; thinly-bedded grey limestone*

CAMBRIAN SERIES 2-3

ĆGU — **GULL LAKE FORMATION, upper member:** *Rusty weathering, chocolate-brown weathering, dark brown to black shale; grey weathering, laminated, bioturbated mudstone-siltstone; thin to medium beds of limestone near base*

ĆGb — **GULL LAKE FORMATION, basal member:** *Boulder conglomerate comprising grey limestone clasts in a siliciclastic, variably calcareous matrix; limestone; medium to thick bedded quartz arenite; minor greenschist*

TERRENEUVIAN-CAMBRIAN SERIES 2

PĆV — **VAMPIRE FORMATION:** *grey phyllite/mudstone-siltstone; medium to thick-bedded sandstone; minor calcareous phyllite*

PĆVw — **VAMPIRE FORMATION, western facies:** *green and grey phyllite/ mudstone-siltstone; minor sandstone; commonly heavily bioturbated; local maroon mudstone-siltstone; more resistant than* PĆHN

PĆHN — *rhythmically-bedded shaly mudstone-siltstone and phyllite; white weathering thin to medium-bedded, planar and cross-bedded sandstone*

EDIACARAN

HYLAND GROUP

PĆHYul — **YUSEZYU FORMATION, UPPER, limestone:** *grey and buff, thin-bedded, planar and cross-laminated limestone; thin-bedded limestone and green shale; thin to medium-bedded grey limestone pebble conglomerate and breccia; bright yellow-orange to orange-brown dolostone*

PĆHYu — **YUSEZYU FORMATION, UPPER (undivided):** *grey and pale green phyllite, sandstone, granule and pebble conglomerate; calcareous phyllite, siltstone and sandstone; silty and sandy limestone*

PĆHYus — **YUSEZYU FORMATION, UPPER, sandstone/conglomerate:** *pinkish-brown, white-grey weathering, limonitic, coarse sandstone, granule and pebble conglomerate; minor phyllite*

PĆHYup — **YUSEZYU FORMATION, UPPER, phyllite:** *green phyllite*

PĆHYml — **YUSEZYU FORMATION, MIDDLE, fetid limestone:** *thin, locally medium-bedded, medium to dark grey, commonly fetid limestone; includes calcilutite, calcarenite and calcirudite; brownish-grey silty/sandy limestone*

PĆHYm — **YUSEZYU FORMATION, MIDDLE, mixed unit:** *grey, purple and green phyllite, sandstone, granule and pebble conglomerate (grit); grey limestone, silty/sandy limestone; local green, plagioclase-rich wacke*

PĆHYmd — **YUSEZYU FORMATION, MIDDLE, mixed unit, dolostone:** *yellow-orange dolostone, silty and sandy dolostone, pebble to boulder conglomerate with dolomitic matrix*

PĆHYmg — **YUSEZYU FORMATION, MIDDLE, 'grit':** *white or pale grey weathering, poorly sorted coarse sandstone, granule and pebble conglomerate; mostly quartz grains, with 10-15% milky-white feldspar grains in argillaceous/micaceous matrix*

PĆHYl — **YUSEZYU FORMATION, LOWER (undivided):** *grey, rusty brown weathering phyllite, sandstone, granule-pebble conglomerate*

PĆHYlr — **YUSEZYU FORMATION, LOWER, recessive:** *grey, brown-weathering phyllite with sparsely distributed thick to massive beds of coarse sandstone and granule-pebble conglomerate*

PĆHYlrs — **YUSEZYU FORMATION, LOWER, resistant:** *medium to thick bedded sandstone and granule conglomerate; brown-weathering grey phyllite; thin-bedded siltstone-fine sandstone; minor thin-bedded grey limestone*

PĆHYlm — **YUSEZYU FORMATION, LOWER, MARBLE:** *pale grey to white weathering, medium to dark grey marble, calc-silicate*

SYMBOLS

- geologic contacts (defined, approximate, inferred, covered)
- fault; movement not known (defined, approximate, inferred, covered)
- thrust fault (defined, approximate, inferred, covered)
- normal fault (defined, approximate, inferred, covered)
- strike-slip fault (dextral) (defined, approximate, inferred, covered)
- strike-slip movement direction (cross section) (dextral)
- crenulation lineation
- dike
- field station
- bedding (tops unknown, upright bedding, overturned)
- foliation (dominant, late)
- elongation or mineral lineation
- intersection lineation
- fold axis (main phase, late, s.z vergence)
- fold axial plane
- minor fault plane
- anticline (upright, overturned)
- syncline (upright, overturned)

Legend

- Mineral Occurrence
- Justin Property Tenure

Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H/09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.

0 5 10 15 20 25
Kilometers

480000 490000 500000 510000 520000 530000 540000 550000 560000 570000
6830000 6820000 6810000 6800000 6790000

Property Geology

(after Schulze, 1995-2000; Gallagher, 2002; Higgs 2009-2011; Hart, Zuran, van Randen, McCuaig, 2012; Moynihan, 2016 - 2018)

Refer to Figure 4a – Property Geology Map located in a pocket following the property geology description

The property is underlain by a broad package of west-northwest trending, north-northeast dipping Hyland Group sediments (dominantly the Yusezyu Formation but with minor Narchilla Formation in the southwestern corner of the property) consisting of thick units of coarse clastic sediments inter-bedded with fine-grained phyllitic units and locally thin to thick bedded calcareous siltstones and limestones. The extreme northeastern areas of the property are underlain by a thick package of sediments of the Gull Lake (Cambrian) and Rabitkettle Formations (Cambrian-Ordovician). The Gull Lake Formation can be divided into a Basal Member consisting of boulder conglomerate with grey limestone clasts in a predominantly siliciclastic matrix (variably calcareous matrix), limestone, medium to thick bedded quartz arenite and minor greenschist. The Upper Member is comprised of dark brown to black shales (rusty to chocolate brown weathering), laminated and bioturbated mudstone-siltstone with thin to medium bedded limestones at the base of the unit. The Rabbitkettle Formation is comprised of thin-bedded, tan-buff weathering limestone and argillaceous limestones. The proximity of these two very different tectonic elements results from their juxtaposition along the Sprogge Fault (previously named the March Fault), which is recognized as a significant crustal-scale structural break that was active in the Proterozoic, the Paleozoic, and in the Cretaceous (Hart and Lewis, 2006; Moynihan, 2016). Hyland Group stratigraphy underlying the Justin Property has been intruded by a north-northwest trending structurally controlled Tombstone-Tungsten Suite granite porphyry pluton with an age of 100.1 ± 0.6 Ma (Hart, 2017); and a coeval suite of quartz-feldspar porphyry to aplite dykes.

Three distinct styles of mineralization are documented on the property. The styles are thought to be the direct reflection of a long lived, widespread mesothermal-epithermal mineralizing event occurring within permeable structures controlled by geology and polyphase brittle and brittle – ductile shearing.

Detailed geologic mapping has been completed across areas of the Justin claim block primarily in the POW zone; limited reconnaissance mapping and prospecting has occurred elsewhere on the property. The following is a brief description of lithologic map units observed on the property.

Lithologic Map Units

Intrusive Rocks

Igneous rocks on the Justin property consist of a medium-grained biotite monzonite to granodiorite pluton (granite porphyry, Hart, 2017), quartz-feldspar porphyry (QFP) dykes, and mafic dykes.

The majority of the Justin property is underlain by horfelsed siliclastic rocks of the Hyland Group, that have undergone thermal metamorphism in response to their proximity to cooling felsic magmas that formed the pluton known as the Justin Stock. However the stock is only scantly exposed in comparison to the extensive hornfeling observed suggesting that there is a much larger buried pluton at depth. The exposed stock likely represents a cupola which has a dome-shaped geometry representing the uppermost and/or highest component of the magmatic body. The Justin stock is Cretaceous (100.1 ± 0.6 Ma Hart, 2017).

The plutonic rocks on the Justin property form magnetic lows among variably to highly magnetic country rocks, indicating that they lack a significant component of magnetite. The lack of magnetite is likely a result of the intrusive reduced primary oxidation state, and therefore the plutonic rocks can be characterized as reduced. Petrographic analysis of drill core sample JN12-013 (160 m) is described as a granite porphyry consisting of subhedral-euhedral plagioclase and quartz phenocrysts in a quartz-rich groundmass.

Igneous rocks are most extensively represented on the property by several thick (10-50 metre), north-trending QFP dykes. The pluton, the quartz-feldspar porphyry dykes, and the aplite dykes were all emplaced (respectively in that order) into a 3 km long, 1 km wide, north-trending magmatic corridor, controlled by the north-northwest trending Justin Fault. In addition to focusing the magmas, the Justin structural zone was also the focus of mineralizing hydrothermal fluids. This structure remains open both to the south and the north.

Mafic dykes that are recognized on the property have a basaltic, locally vesicular character and composition. Phlogopite phenocrysts and xenocrysts of olivines and pyroxenes comprising the mafic dykes weather recessive, and therefore the dykes have limited exposure. The mafic dykes have been observed cross-cutting both Hyland Group and Rabbitkettle Formation strata, providing some time constraint on the date of emplacement. The origin of these dykes remains unknown.

Sedimentary Rocks

Sedimentary rocks of the Justin claims are comprised of four major formations: the Rabbitkettle Formation (ЄOR), the Gull

Lake Formation (lЄG), The Narchilla Formation (PЄHN) and the Yusezyu Formation (PЄHY).The Rabbitkettle Formation is characterized by a sequence of thin to medium bedded white to buff weathering limestone. This has been mapped in the extreme northeast of the map area – northeast of the Sprogge fault (Figure 4a). Field reconnaissance mapping during 2012 led to the discovery of trilobite fossils within Rabbitkettle strata. Further examination of the area is required to properly assess the significance of the discovery. The Gull Lake Formation conformably underlies the Rabbitkettle Formation in the eastern most part of the property. The bottom contact with the underlying Yusezyu Formation is mapped as an inferred thrust fault that is part of the Sprogge Fault system. A recent open file publication by Moynihan (2016) suggests that the Yusezyu Formation can now be subdivided into lower, middle and upper members, each containing multiple distinct lithological units. The lower member of the formation can be subdivided into undivided (PЄHYl), marble (PЄHYlm), recessive (PЄHYlr) and resistant (PЄHYlrs) units; the middle member is defined by fetid limestone (PЄHYml) (a useful marker bed), mixed unit (PЄHYm), mixed unit (dolostone) (PЄHYmd), and 'grit' (PЄHYmg). The uppermost member of the formation is characterized by limestone (PЄHYul), undivided (PЄHYu), sandstone/conglomerate (PЄHYus) and phyllite units (PЄHYup). The following section contains brief unit descriptions based on work by Moynihan (2016).

Lower Member, Yusezyu Formation

Undivided (PЄHYl): Comprised of grey phyllite with rusty brown phyllite, sandstones and granule-pebble conglomerate.

Marble (PЄHYlm): Pale grey to white weathering of medium to dark grey marble and calc-silicate.

Recessive (PЄHYlr): Grey, brown weathering of phyllite with sparsely distributed thick to massive beds of coarse sandstone and granule-pebble conglomerate.

Resistant (PЄHYlrs): A medium to thick bedded sandstone and granule conglomerate, brown-weathering phyllite and a thin-bedded siltstone to fine sandstone with minor thin-bedded grey limestone.

Middle Member, Yusezyu Formation

Fetid limestone (PЄHYml): thin to locally medium-bedded, medium to dark grey limestone. Most commonly fetid limestone with less common calcilutite, calcarenite and calcirudite and brownish-grey silty/sandy limestone.

Mixed unit (PЄHYm): grey, purple and green phyllite, sandstone, granule and pebble conglomerate (grit), grey limestone, silt/sandy limestone with local green plagioclase-rich wacke.

Mixed unit, dolostone (PЄHYmd): yellow-orange silty and sandy dolostone and pebble to boulder conglomerate with dolomitic matrix.

'Grit' (PЄHYmg): white or pale grey weathering of poorly sorted coarse sandstone and granule and pebble conglomerate (mostly quartz grains, with 10-15% milky-white feldspar grains in argillaceous/micaceous matrix)

Upper Member, Yusezyu Formation

Limestone (PЄHYul): grey and buff, thinly-bedded planar and cross-laminated limestone with thin-bedded limestone and green shale; Thin to medium bedded-grey limestone pebble conglomerate and breccia; bright yellow-orange to orange-brown dolostone.

Undivided (PЄHYu): grey and pale green phyllite, sandstone and pebble conglomerate. Calcareous phyllite, siltstone and sandstone with silty and sandy limestone.

Sandstone/conglomerate (PЄHYus): a pinkish-brown with white weathering, limonitic coarse sandstone and granule to pebble conglomerate with minor phyllite.

Phyllite (PЄHYup): green phyllite.

Narchilla Formation (PЄHN)

Green ,maroon and grey rhythmically-bedded shaly mudstone-siltstone (with well defined cleavage) and phyllite with thin to medium-bedded, planar and cross-bedded sandstone.

Gull Lake Formation

Upper Member (IЄG): dark brown to black shales (rusty to chocolate brown weathering), laminated and bioturbated mudstone-siltstone with thin to medium bedded limestones at the base of the unit

Basal Member (IЄGB): boulder conglomerate with grey limestone clasts in a predominantly siliciclastic matrix (variably calcareous matrix), limestone, medium to thick bedded quartz arenite and minor greenschist.

Rabbitkettle Formation (ЄOR)

Thin-bedded to laminated cream, grey and buff-coloured argillaceous limestone with thinly-bedded grey limestone.

Structural Geology

The Little Hyland River valley is underlain by deformed rocks that form part of the Selwyn fold belt; however, few faults and folds were indicated in previous mapping (Gordey and Makepeace 2001). Structural features described below are the result of distilling years of reconnaissance mapping, diamond drilling, geophysical data, or are extrapolated from those described to the north by Gordey and Anderson (1993).

In the area of the Little Hyland river sedimentary rocks of the Hyland Group have a weak to moderate, northwest-trending, shallowly to moderately steep-dipping fabric that is defined by phyllitic partings, with mica development on foliation surfaces. The intensity of the phyllite development is variable and has a low intensity east of the Little Hyland river valley. The fabric developed in response to deformation that transposed bedding through a series of northeast-verging overturned folds that are locally cut by thrust faults. Beds of conglomerate, grit, and quartzite are mostly undeformed, particularly where massive. The margins of coarse grained units are typically modified by minor faulting and shearing. Lineations observed in the area plunge shallowly to the south and southeast. The timing of regional deformation is uncertain but may be related to the emplacement of the mid-Cretaceous Hyland plutonic suite batholiths, which are similar in age to mid-Cretaceous deformation in the Tombstone strain zone near Mayo (Hart, 2012).

Two periods of compressional deformation are evident within the Yusezyu formation of the Hyland Group in the immediate vicinity of the Justin claim block. The first deformation event is represented by moderately dipping penetrative foliation in the fine grained lithologies and recumbent and overturned folds dipping gently to moderately to the northeast-southwest. The second deformation event is represented by large-scale upright folds and a poorly developed axial planar cleavage, observed in the field as jointing within coarse clastic units. The axial planar cleavage strikes southeast and dips steeply to the south. 3.0 kilometres west of the Kangas zone there are a prominent series of anticlines and synclines with wavelengths of 200 – 1000 metres which parallel the larger scale upright folds (Scott, 1999). Refer to Figure 4a for reference to the features described above.

Stratigraphy underlying the Justin claims generally strikes at about 290° and is variable from flat lying to moderately south dipping. However, at the POW zone, bedding measurements range from 260°- 290°, dipping moderately to the north-northwest from 30°- 55°. The variance in orientation of the beds at the POW zone reflect deformation in proximity to the Sprogge fault and a doming effect related to the emplacement of the biotite quartz monzonite stock. Foliation directions are variable, commonly striking north-south with a sub-vertical dip near dykes and zones of structural deformation.

A northwest-southeast trending fault zone (Sprogge fault), characterized by a pronounced northwest trending lineament, extends along the northeastern property boundary (Figure 4a). On the Justin property, the structure is moderately to steeply dipping to the east, where Hyland Group strata to the west are juxtaposed with Rabbitkettle and Gull Lake Formation carbonate units to the east (Hart, 2012, Moynihan, 2016 & 2018). The inferred sub-parallel Upper Hyland fault extends to the south of the property.

A well developed set of coeval extensional faults, trending at 325° - 355°, are documented between the strike-slip faults described above. The orientation of these coeval faults, with respect to the fault system, is consistent with the interpreted right -lateral, right-stepping displacement along the strike-slip fault zone, these faults are the primary control on the distribution of mineralization across the Justin property.

Development of the north-northwest trending dilation structures provided planes of weakness for emplacement of the mid-Cretaceous stock, porphyry dykes, and sheeted vein arrays. Other north-northwest trending structural features, including the prominent jointing direction and foliation along major strike-slip fault structures, are also interpreted to result from this extensional regime.

These north-northwest trending structural features are most prominent in the central area of the Justin claim block where they comprise a 2.0 kilometre wide structural and magmatic corridor. It is defined by faults, high levels of the intrusion, quartz-feldspar porphyry dykes, and extensional fractures, all variably infiltrated by quartz veins, skarns, and arrays of sheeted veins (Hart, 2012). These north-northwest trending structures will be referred to in future as the Justin Fault zone.

Surface mapping within the POW zone led to the discovery of lineations and slickenlines along fault scarps indicating right lateral movement along the north-northwest structures. The amount of displacement which occurred along these structures is unknown at the time of writing. Interpretations from aeromagnetic surveys and DDH JN12012 and JN12014 indicate that a major north-northwest structure lies approximately 30.0 metres east of the original POW zone showing. The north-northwest structure is steeply dipping and separates the Justin stock to the west, from fine grained siliclastic and carbonate rocks of the Hyland Group to the east. This observation leads to the conclusion that in at least one case, an unknown amount of right-lateral, normal displacement has occurred along the structure and may post-date emplacement of the Justin stock.

These north-trending structures play an integral role in controlling mineralization on both a property and district scale. The structures cross-cut the regional deformation described above, but are, in turn, cut by northeast-trending faults.

A conjugate shear set, less obvious than extensional faulting, trends northeast-southwest and east-west and underlies the

property west of the Justin claims. The northeast-southwest trending structures are typically brittle faults while the coeval east-west trending structures are typically brittle-ductile shear zones. In the POW zone the east-west orientated structures are observed as discreet brittle-ductile shear zones which offset auriferous quartz veins and porphyry dykes on the centimetre to decimetre scale. Left lateral offset was observed consistently across the POW zone on the east-west orientated structures. At the time of writing it is believed that the small scale structures reflect a larger east-west flexure zone which post-dates emplacement of the Justin stock and coeval mineralization. The northeast-southwest trending fault set controls many of the minor drainage's, as well as the northeast trending joint set. Northeast trending minor faults are observed cross-cutting north-northwest trending dykes that intrude extensional zones associated with strike-slip deformation. This observation is consistent with the development of conjugate shear fabrics post-dating major mid-Cretaceous strike-slip motion.

Two major shearing events have resulted in two planes of structural fabric which are permeable to fluid migration. Intersection of the major northwest and north-northwest shear fabrics within brittle lithologic units in proximity to the Justin stock is considered the favorable settings for economic mineralization on the Justin Property.

Mineralization

(after Schulze, 1995-2000; Gallagher, 2002; Higgs, 2009-2011, McCuaig et al., 2011-2017, Hart 2012)

Three styles of gold mineralization have been recognized on the Justin Claims. These varying styles of mineralization are thought to reflect a multi-phased, mesothermal intrusion-related mineralization event occurring under different structural settings on the property. The different styles of mineralization include:

1) sheeted vein arrays, vein breccia, stockwork, and extensional fault controlled mineralization;

2) skarn replacement style mineralization;

3) a composite mineralization style, resulting in pervasive mineralization within coarse clastic sediments (this style of mineralization may in some instances represent a new type of mineralization).

Where mineralization is structurally controlled, it appears to be controlled by the extensional fault system associated with mid-Cretaceous dextral strike-slip shear. These north-northwest trending dilational structures host Type 1 (sheeted vein arrays) mineralization and Type 2 (skarn occurrences) with the exception of the Kangas zone skarn (see below). The northwest trending Sprogge fault is host to auriferous quartz veining as identified in DDH JN11007 and JN11008. Although gold grades were sub-economic in both DDH intersections, vein densities were greatest in the hanging wall of the fault zone. North-east trending structures, associated with later conjugate shearing, also control some erratically distributed high-grade vein mineralization. Comparable gold values have been returned from both structurally controlled mineralization regimes; however gold distribution within the POW zone is preferential to the north-northwest trending extensional structures.

Alteration associated with these mineralized settings is a reflection of the physical and chemical characteristics of the original host rock. The major factors in controlling mineralization are: the permeability and reactivity of the host rock, proximity of the host rock to the Justin stock, and proximity to faults which act as fluid conduits. The limestone and calcareous members of the Yusezyu Formation situated proximal to the Justin stock are the most favorable known host for economic mineralization.

All three types of mineralization are speculated to be, at the oldest, mid-Cretaceous in age. Skarn type replacement mineralization is interpreted to be coeval with, or slightly post-dating, the emplacement of the Justin stock into a 2.0 km wide, north trending extensional fault system. Vein mineralization is interpreted to be controlled primarily by mid-Cretaceous extensional faults although some vein mineralization is also clearly controlled by the younger conjugate shear system, suggesting that this style of mineralization may post date the mid-Cretaceous tectonic activity.

Mineralization Styles

Sheeted Veining

Quartz±calcite veining, breccia zones, and fracture controlled mineralization occur within several areas of the property. Typically, veins have strongly anomalous antimony, bismuth, tellurium, tungsten, molybdenite, and arsenopyrite signatures. Quartz±calcite veining occurs within all lithologies, exhibiting varying textural characteristics depending on the host lithology. Within the coarse clastic units, veins tend to be narrow and fault controlled; however, mineralization can extend into the silicified host rock.

A sheeted vein system in the POW zone consists of millimetre to decimetre scale quartz±calcite veining occurring in densities of up to 50 veins/metre. The vein arrays exploit a north-northwest structural fabric which is best developed within calc-silicate altered Hyland Group sediments and the biotite granite porphyry stock.

Veins found in other areas of the property tend to be structurally controlled along all of the major lineation orientations, suggesting vein development post-dated major structural development. Narrow fault controlled veining returning up to 1.60 g/t Au occurs within phyllite and limestone strata. One exception is a 20 cm wide quartz-galena-arsenopyrite vein returning 15.80 g/t Au, located roughly 1.0 km east of the Main Skarn.

Dykes within the Justin claims locally contain fine sheeted quartz vein hosted mineralization, largely along contact zones where brittle fracturing has occurred. The porphyritic dyke situated along the west boundary of the Main zone has undergone brittle fracturing and subsequent chalcedonic veining. Sampling has returned values up to 5.70 g/t Au over 1.00 m underlying the western part of Trench SN97-2, which returned 2.30 g/t Au over 22.50 m. However, sampling to date of dyke material in the Main zone and POW zone both in surface outcrop and diamond drill core has returned weakly anomalous to background gold values.

Skarn

The limestone and calcareous silty units (upper Yusezyu limestone and dolostone members) underlying the Justin claims have undergone typical skarn type mineral development, consisting of decalcification, silicification, calc-silicate, and

sulphide-oxide mineral development. Recent exploration efforts in 2010-2014 have identified a new zone of skarn, which has been named the POW zone.

Two major skarn zones occur within the Justin claims: the Main zone and the POW zone (Figure 4a); in the Kangas zone, several smaller zones of skarn alteration occur along the north flank of the central ridge. Gold mineralization on the property is typically associated strongly with bismuth, iron, antimony, and moderately with copper and tungsten. The POW zone skarn is a complex exoskarn, characterized by prograde coarse grained hydrogrossular garnet- clinopyroxene-quartz which has been overprinted by intense clay and Fe-carbonate retrograde alteration. Replacement style massive magnetite, with lesser disseminated pyrrhotite, chalcopyrite, pyrite, molybdenite±scheelite±bismuth±gold characterize the POW zone skarn. Veining within the skarn hosts arsenopyrite, pyrrhotite, pyrite, hematite, chalcopyrite, native bismuth, bisumthinite, jamesonite, sphalerite, molybdenite, scheelite and gold in a quartz-calcite gangue. The veining observed at the POW zone is interpreted to represent a later phase of mineralization within the system. Gold mineralization is developed in both the skarn replacement and sheeted vein styles of mineralization.

All skarn occurrences on the Justin property are interpreted to be associated with the Justin stock. Gold grades are highest where the north-northwest structures intersect skarn altered lithologies in proximity to the Justin stock. The POW zone occurs within the contact aureole of the Justin stock, which extends to at minimum 200.00 metres laterally from the margin of the intrusion.

Composite

The coarse clastic sediments provide an excellent setting for hydrothermal mineralization. These thick, uniform units are permeable due to coarse fragment size, fairly reactive due to the calcareous nature of much of the original matrix cement, and prone to semi-brittle fracturing as shown by the presence of several fault and quartz stockwork zones, particularly along lithologic contacts. These broad mineralized zones have the potential to host bulk tonnage gold deposits within the property.

Weak to moderate pervasive silicification, but very limited argillic alteration has occurred in the Confluence zone area. A broad zone of chalcedonic veining within coarse clastic sediments is centered at the confluence of Sun and South Sun Creeks within the eastern part of the Justin claims (Figure 4a). The veined interval occurs at a thrust fault contact between coarse clastic sediments and fine grained, thin bedded limestone. These fracture controlled veins range in size from nearly microscopic to 2.00 m in width and return gold values from 0.42 g/t Au to 7.00 g/t Au over l.00 m with a value of 4.24 g/t Au over 4.50 m returned from Trench SN97-3 (Schulze, 1997). These veins overprint localized quartz-pyrite veining and appear to be the primary gold host. Gold values from JN11007 and JN11008 have an association with As and Sb. Mineralization was observed as multi-phase quartz veining within the coarse clastic sediments, where pyrite is partially replaced by a later phase of fine grained arsenopyrite±sphalerite±galena.

Characteristics of Mineralized Zones

The five zones of significant mineralization in order of importance are: 1) POW zone 2) Main zone 3) Confluence zone 4) Kangas zone and 5) Lost Ace zone.

POW zone:

The POW zone hosts several different episodes of mineralization, which are listed below.

1. Magnetite in pyroxene±garnet skarn;
2. Scheelite mineralization as disseminated crystals and thin veins within skarned rocks and scheelite in sheeted quartz veins;
3. Fracture controlled pyrrhotite±chalcopyrite overprinting skarn;
4. Bismuthinite±tellurium-gold overprinting skarn;
5. Sheeted quartz veins with bismuthinite, native bismuth, tellurium, gold, and scheelite±molybdenite;
6. Quartz-arsenopyrite±bismuthinite±sulphosalts (jamesonite) veins;
7. Sheeted sulphide veins and fractures, parallel with sheeted quartz veins;
8. Late sulphide, including marcasitic pyrite with grey silica replacements, and sulphidation of magnetite from skarns.

Diverse mineralization is a characteristic of intrusion-related systems. There is confidence that gold is associated with at least three of these mineralization styles, most specifically numbers 4, 5, and 6.

The POW zone represents an array of sheeted auriferous quartz veins, skarns, and sulphide replacement mineralization that are located within and above a cupola of the Justin stock.

Main zone

The Main zone, located in the central Justin claims was first discovered in 1964. Four holes were drilled at the main zone in

1987 to test copper-gold skarn mineralization. The program yielded only sub-economic assay values resulting in the original Sun claims being allowed to lapse. However, in 1996 exploration by Hemlo showed that a fractured, silicified, and auriferous quartz monzonite dyke bounds the zone to the west. Successive exploration programs showed that a significantly mineralized zone extends east from roughly 6.00 m within the dyke into strongly pyritic and pyrrhotitic limestone and calcareous phyllite. Calc-silicate mineralization consists of fine grained pervasive to fracture controlled actinolite and diopside, with minor chlorite. Trench SN97-2 extending across this zone returned 2.38g/t Au over 22.50 m, and anomalous values continued to the east into the previously tested mineralization (Schulze, 1997). It appears that most of the Main zone consists of low grade peripheral mineralization, and that a significant mineralized zone occurs along the western margin and may extend northward along the dyke. Schulze, 1997 concluded that mineralization was emplaced from fluids travelling from the structural corridor controlling the dyke into decalcified strata within the flat lying limestone.

Trench SN97- 1, excavated roughly 20.00 m south of SN97-2, returned low gold values within strongly pyritic and pyrrhotitic skarn mineralization. Its spatial relationship to SN97-2 remains unknown; Sun Creek, which flows between the two trenches, may occupy a structural corridor.

Drilling efforts in 2011 at the Main zone returned anomalous gold and copper values from calc-silicate skarn, and quartz-sulphide veinlets confirming historic results. Although no significant gold intersections were returned from the three holes valuable geologic information was gleamed providing insight into the geologic history of the property. Significant intersections of porphyritic felsite and quartz biotite monzonite dyke material were intercepted in all three holes. The overall true thickness of the dike swarm has not been determined but drilling to date indicates it is greater than 50.00 meters. As dikes are derived from a parent magmatic source, the size of the porphyritic dikes and their wide spatial distribution suggests that a larger parent pluton lies beneath the Justin property.

Confluence zone

The Confluence zone is a broad zone measuring at least 600.00 m x 250.00 m in area and consists of coarse clastic material with considerable fracture controlled chalcedonic veining. It is centred at the confluence of Sun and South Sun Creeks (Figure 4a). Veins are typically sulphide poor and range in size from nearly microscopic to up to 2.00 m in width. Gold values range from 0.42 to 7.00 g/t Au over 1.50 m (Schulze, 1997). Trench SN97-3 returned 4.24 g/t Au over 4.50 m and is open to the west; continuous channel sampling east of this intersection returned elevated values up to 0.64 g/t Au. Significant gold values were returned from sampling throughout the occurrence, including proximal glacial float from the western end of known mineralization. This suggests the source rock occurs up-ice further west, expanding the potential size of the showing. Fracture controlled and disseminated pyrite is abundant in the surrounding wall rock. Most elevated gold values are associated with chalcedonic veining, which locally crosscut quartz-pyrite veining. This suggests mineralization resulted from late phases of hydrothermal activity.

Drilling at the Confluence zone in 2011 successfully intercepted auriferous chalcedonic quartz veins representing the down-dip extension of the zone sampled in Trench SN97-3. Drill core analysis returned values to 5.60 m grading 0.76 g/t Au in JN11008. An auriferous vein-breccia system hosted in decalcified limestone within the Sprogge Fault zone was also intercepted in both JN11007 and JN11008. The fault-controlled zone returned 9.40 m grading 0.76 g/t Au in JN11007 and 11.00 m grading 0.56 g/t Au, including 4.60 m of 1.15 g/t Au in JN11008. The 2011 drilling was the first program to test the regional structure; results indicate that it may be an important structural control for localizing gold mineralization on the Justin property. The confluence zone is interpreted to be a distal expression of the intrusion-related gold system associated with the Justin Stock based upon mineralogy and the geochemistry observed in mineralized vein systems.

Kangas zone

The Kangas zone is a north-south orientated zone of skarn and replacement style mineralization within siltstone, calcareous siltstone, and minor limestone located along the north flank of the central ridge of the Justin claims. Mineralization consists of fracture controlled and replacement style semi-massive pyrrhotite, arsenopyrite, and local pyrite, with minor disseminated chalcopyrite, along with fine grained diopside and actinolite.

Replacement style arsenopyrite is abundant, as well as fracture-controlled arsenopyrite and quartz-arsenopyrite veining. Values up to 1.6 g/t Au over 1.50 m and 1.2 g/t Au over 1.00 m were returned from replacement style arsenopyrite horizons (Schulze, 1997). Quartz-arsenopyrite veining returned elevated gold values, although pyrrhotitic horizons returned low values. Host stratigraphy strikes roughly east-southeast and dips gently to the south although this may become disrupted near the Sprogge Fault.

Mineralization has been traced along a 400.00 m x 75.00 m north-south orientated zone, grading into altered weakly calcareous phyllite to the east. Elevated soil (talus fine) values to 805 ppb Au extend along strike uphill to the south. An occurrence discovered by Viceroy in 1997 of similar skarn mineralization returning 1.26 g/t Au over 1.50 m outcrops nearby to the west, suggesting the zone may be wider than 75.00 metres.

The Kangas zone is roughly along strike of the north-northwest trending lineation controlling the Main Skarn mineralization. The Kangas zone may be quite thick, with somewhat discontinuous mineralization occurring across at least

150.00 m of true width. It stratigraphically overlies an interpreted northward extension of stratigraphy hosting the Main Skarn. However, it is close enough that similarly reactive stratigraphy within both zones were affected by a single mineralizing event. The two zones may represent exposures of a significantly thick zone of skarn and replacement style mineralization controlled by the north-northwest trending Justin Fault, within the broad north-south structural zone outlined on Figure 4a.

Drilling in 2011 on the Kangas zone provided insight into the true extent and nature of the mineralization. Three holes were drilled into the Kangas zone. All three of the holes intersected calc-silicate altered siltstone and thin bedded limestone within the top 20.00 metres of drilling.

Below the horizon of calc-silicate alteration occurring in JN11001 and JN11002, an interval of core loss and a significant change in rock type occurs. No calc-silicate replacement alteration was encountered, and a generally uniform sequence of unaltered, fine grained, thin bedded siltstone occurs. The lack of correlation between surface exposure and the drill core samples suggests that the surface exposure may not be in place, or that a significant fault zone is present displacing strata. When examining local topographic features, it seems plausible that the rocks observed at the Kangas zone have slumped down from the top of the ridge, either through faulting (along an east-west trending break) or mass wasting, and now forms the top of a large talus slope conforming to the angle of repose which extends to valley bottom. A topographic low observable from a distance as a saddle along the ridge line is located directly up-slope of the Kangas zone, which occurs approximately 200.00 metres down slope. Previous mapping and anomalies outlined by soil geochemical surveys suggest that an extension of Kangas zone mineralization can be found on the ridge line. Further investigation of this zone should focus on the ridge line and cliffs to the east where bedrock exposure is excellent.

Lost Ace Zone

The Lost Ace zone, located approximately 2.0 km northwest of the POW zone, is a new discovery (2017) that may represent a style of mineralization unrelated to the Justin stock and therefore previously unrecognized on the property. The Lost Ace zone is most similar to the previously described composite style of mineralization with no skarn and no intrusion related signature. Mineralization is hosted within stockwork quartz-carbonate veining which has preferentially developed at the contact between a grit unit (coarse-grained siliciclastics) and a phyllite unit of the Yusezyu Formation. The fracture-controlled quartz-carbonate veining hosts arsenopyrite, pyrite and native gold with weathered surfaces encrusted with scorodite and pyrolusite. Samples collected in 2017 returned assay results as high as 4.77 g/t Au over 1.00 metre. The discovery of the Lost Ace zone is significant due to its mineralization style and geologic setting which are remarkably similar to the 3-Aces mineral occurrences (Golden Predator) located approximately 8.0 kilometres to the northwest.

Mineralization Overview

All gold mineralization on the property was initially considered to be directly related to hydrothermal fluids emanating from the Justin stock. It is believed that gold is mobilized in this type of hydrothermal system as a bismuth-tellurium ± antimony complex and deposited in veins as high temperature Au-Bi-Te ± Sb-S alloys. As the hydrothermal system cooled, the gold exolved from the alloy, leaving bismuthinite, tellurium and native gold. For this reason gold has a direct and observable association with Bi and Te, therefore the presence of Bi and Te can be utilized as a confident indicator for a potential increase of gold grade in proximity to the causative intrusion.

The Au-Bi-Te association is most directly related to intrusion-related and intrusion-hosted ores, adding further credence to support an intrusion-related gold system on the Justin property. The Au-Bi-Te correlation, strongly controlled by temperature gradient, is indicative of close proximity to the Justin stock. Hydrothermal fluids migrating outward from the intrusion decrease in temperature and have greater interaction with the country rocks enriching them in scavenged metals. In intrusion related gold deposits a predictable zonation of metals is often observed moving outward from the intrusion and is the directly result of a decrease in temperature gradient and the interaction of the fluids with country rock (Hart, 2012). This zonation is typically observed as veins with greater amounts of arsenopyrite, sphalerite, and other sulphide/sulfosalt minerals as you move outward from the intrusion. In these situations, the importance of Bi-Te may be reduced, and Au may have a stronger association with As, or Sb as observed in the Kangas, and Confluence zones respectively. Applying Hart's model of metal zonation to the Justin property may allow for the successful vectoring from distal Au-As-Sb mineralization to proximal Au-Bi-Te±Cu±Mo±W mineralization adjacent to and within the Justin Stock.

The recent discovery of the Lost Ace zone has demonstrated that there is potential for gold mineralization that may be unrelated to the Justin intrusion. The results from the 2017 program indicate that Au-enriched quartz stockwork veins at the contact between grit and phyllite units in the Yusezyu Formation does not have the same chemical signature previously described which are attributed to the Justin Stock. The newly collected data has allowed for interpretation of multiple mineralizing events within the property.

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Figure 4a - Property Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:30,000 1/18/2018

PLUTONIC ROCKS

MID-CRETACEOUS

- **mKgts** — TUNGSTEN SUITE: biotite granodiorite, biotite quartz monzonite
- **mKgtr** — TAY RIVER SUITE: biotite ± hornblende granodiorite, biotite quartz monzonite, hornblende and pyroxene-phyric dacite
- **mKgh** — HYLAND SUITE: biotite granodiorite, quartz monzonite; porphyritic dacite; minor hornblende qtz diorite, quartz syenite

SEDIMENTARY AND METASEDIMENTARY ROCKS

QUATERNARY

- **Q** — QUATERNARY: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; flowable till, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

UPPER CAMBRIAN TO LOWER ORDOVICIAN

- **COH** — RABBITKETTLE FORMATION: Thinly bedded and laminated cream, grey and buff-coloured argillaceous limestone; thinly bedded grey limestone

CAMBRIAN SERIES 2-3

- **ICG** — GULL LAKE FORMATION, upper member: Rusty-weathering, chondalo-brown weathering, dark brown to black shale; grey-weathering, laminated, bioturbated mudstone-siltstone; thin to medium beds of limestone near base
- **ICG** — GULL LAKE FORMATION, basal member: Boulder conglomerate containing grey limestone clasts in a siliciclastic, variably calcareous matrix; limestone; medium to thick bedded quartz arenite, minor greenschist

TERRENEUVIAN-CAMBRIAN SERIES 2

- **PCV** — VAMPIRE FORMATION: grey phyllite/mudstone-siltstone; medium to thick-bedded sandstone; minor calcareous phyllite
- **PCVw** — VAMPIRE FORMATION, western facies: green and grey phyllite/mudstone-siltstone; minor sandstone; commonly heavily bioturbated; local maroon mudstone-siltstone; more restricted than PCVm

NEOPROTEROZOIC-CAMBRIAN WINDERMERE SUPERGROUP

HYLAND GROUP

- **PCHN** — NARCHILLA FORMATION: green, maroon and grey, well-cleaved, rhythmically-bedded shaly mudstone-siltstone and phyllite; white weathering thin to medium-bedded, planar and cross-bedded sandstone

EDIACARAN

- **PCHYul** — YUSEZYU FORMATION, UPPER, limestone: grey and buff, thin-bedded, planar and cross-laminated limestone; thin-bedded limestone and green shale; thin to medium-bedded grey limestone pebble conglomeratic and breccia; bright yellow-orange to orange-brown dolostone
- **PCHYu** — YUSEZYU FORMATION, UPPER (undivided): grey and pale green phyllite, sandstone, granule and pebble conglomeratic; calcareous phyllite; siltstone and sandstone; silty and sandy limestone
- **PCHYup** — YUSEZYU FORMATION, UPPER, sandstone/conglomerate: pinkish-brown, white-grey weathering; limonitic; coarse sandstone, granule and pebble conglomeratic; minor phyllite
- **PCHYup** — YUSEZYU FORMATION, UPPER, phyllite: green phyllite
- **PCHYml** — YUSEZYU FORMATION, MIDDLE, fetid limestone: thin, locally medium-bedded, medium to dark grey, commonly fetid limestone; includes calcilutite, calcarenite and calcirudite; brownish-grey silty/sandy limestone
- **PCHYm** — YUSEZYU FORMATION, MIDDLE, mixed unit: grey, purple and green phyllite, sandstone, granule and pebble conglomerate (grit); grey limestone, silty/sandy limestone; local green, plagioclase-rich wacke
- **PCHYmg** — YUSEZYU FORMATION, MIDDLE, "grit": white or pale grey weathering, poorly sorted coarse sandstone, granule and pebble conglomeratic; mostly quartz grains, with 10-15% milky-white feldspar grains in argillaceous/micaceous matrix
- **PCHYmd** — YUSEZYU FORMATION, MIDDLE, mixed unit, dolostone: yellow-orange dolostone, silty and sandy dolostone; pebble to boulder conglomerate with dolomitic matrix
- **PCHYrl** — YUSEZYU FORMATION, LOWER, recessive: grey, brown-weathering phyllite with sparsely distributed thick to massive beds of coarse sandstone and granule-pebble conglomerate
- **PCHYlrs** — YUSEZYU FORMATION, LOWER, resistant: medium to thick bedded sandstone and granule conglomerate; brown-weathering grey phyllite; thin-bedded siltstone-fine sandstone; minor thin-bedded grey limestone
- **PCHYlm** — YUSEZYU FORMATION, LOWER, MARBLE: pale grey to white weathering, medium to dark grey marble, calc-silicate

SYMBOLS

- geologic contacts (defined, approximate, inferred, covered)
- fault; movement not known (defined, approximate, inferred, covered)
- thrust fault (defined, approximate, inferred, covered)
- normal fault (defined, approximate, inferred, covered)
- strike-slip fault (dextral) (defined, approximate, inferred, covered)
- strike-slip movement direction (cross section) (dextral)
- crenulation lineation
- dike
- field station
- bedding (tops unknown, upright bedding, overturned)
- foliation (dominant, late)
- elongation or mineral lineation
- intersection lineation
- fold axis (main phase, late, s.z vergence)
- fold axial plane
- minor fault plane
- anticline (upright, overturned)
- syncline (upright, overturned)

Legend

- Mineral Occurrence
- River
- Contour (20m)
- Outcrop
- Justin Tenure Quartz Claims

Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016). Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.

0 1 2 3 4 5
Kilometers

2017 Exploration Program

The 2017 exploration program consisted of 37 person days with a five person crew. The crew mobilized from base camp at km 143 of the Nahanni Range Road, to the property approximately 12.0 kilometres southeast of the base camp. Helicopter support was provided by Heli Dynamics Ltd based out of Whitehorse, YT. The field program was completed in two phases: Phase I ran from August 8th – 13th, 2017 and Phase II ran from September 15th – 24th, 2017.

The 2017 program was a target evaluation module partially funded through the Yukon Mineral Exploration Program (YMEP). Work completed during both phases of the 2017 program included the collection of 24 channel/chip samples from 4 trenches, an additional 13 rock/chip samples from prospecting traverses, 2 silt samples, 1 bulk soil/till samples, 385 soil samples with coverage totaling 16.8 line-kilometres and one geochronology sample.

The program focused on the Lost Ace zone and the Confluence zone where previous exploration has shown the potential for intrusion related and/or orogenic gold mineralization at surface.

Total expenditures related to the Justin Project in 2017 were approximately $92,700.00 from which $81,606.18 was applied as assessment work to select Quartz Claims. A detailed cost statement of expenditures can be referenced in Appendix II.

2017 Exploration Results

Geology Mapping Program

A total of 27 geology stations were recorded during the 2017 work program. Refer to Figures 4a and 4b and Appendix VI for station/traverse locations, underlying geology and detailed descriptions.

The majority of the geology mapping stations were recorded within the greater Lost Ace zone. The predominant lithologies underlying the zone are sandstone, grit and pebble conglomerate interbedded with phyllite. These units are interpreted to correlate with Moynihan's sandstone/conglomerate (PЄHYus) unit: a pinkish-brown with white weathering, limonitic coarse sandstone and granule to pebble conglomerate with minor grey to greenish-grey phyllite (Plate A).

Prospecting Traverse A, completed to the east of the Lost Ace zone was completely within Moynihan's sandstone/conglomerate (PЄHYus) unit: a pinkish-brown with white weathering, limonitic coarse sandstone and granule to pebble conglomerate with minor grey to greenish-grey phyllite. Rare boulders of granodiorite were noted along the traverse, but were not observed in place (Plate A).

Prospecting Traverse B, completed to the west of the Lost Ace zone ended at station MMJNG082. The geology at this station is tentatively interpreted to represent the eastern extension of Moynihan's mixed dolostone (PЄHYmd) unit: yellow-orange silty and sandy dolostone and pebble to boulder conglomerate with dolomitic matrix (Plate B). The remaining stations on this traverse are interpreted to represent Moynihan's sandstone/conglomerate (PЄHYus) unit: a pinkish-brown with white weathering, limonitic coarse sandstone and granule to pebble conglomerate with minor grey to greenish-grey phyllite.

Plate A – PЄHYus

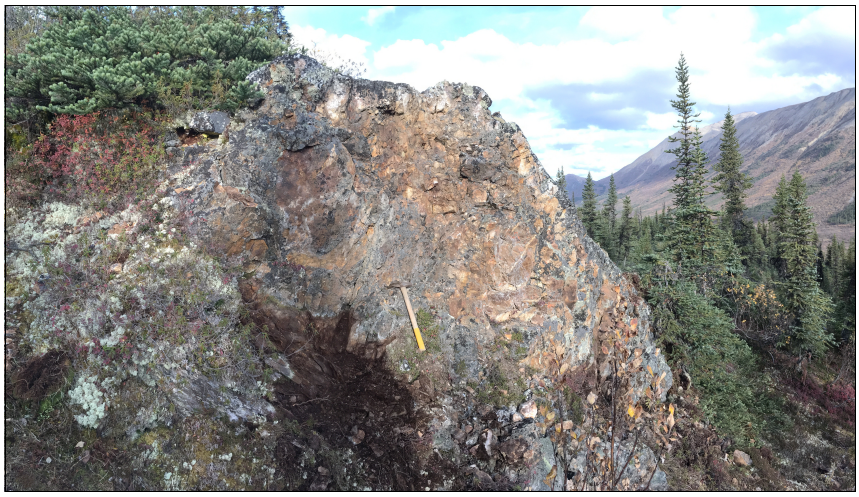

Plate B – (PЄHYmd?)

Analytical Results

The 2017 exploration program resulted in the collection of 385 soil samples, 2 silt samples, 24 rock chip/channel samples from trenches, an additional 13 chip samples from prospecting traverses, and 1 till/bulk soil sample. All soil, silt, rock chip/channel samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation and subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. All chip/channel samples were washed prior to preparation to reduce the risk of metal contamination from soil overlying the trenches. The following analytic techniques were used for all rock samples: ME-MS41 and Au-AA23 30 g Fire Assay while a total of 24 rock chip/channel samples underwent additional analysis using Au-SCR21 Fire Assay – 100 to 106 µm, Au-AA25 30g and Au-AA25D 30g. The following analytic techniques were used for all soil and silt samples: ME-MS41 and Au-ST43. The Company's QAQC measures included insertion of external blanks and standards into the sample stream for all rock chip/channel samples and drill core samples. A minimum of one standard sample and one blank sample were inserted for each trench and a minimum of one standard was submitted into each diamond drill hole sample stream. The till/bulk soil sample was sent to Overburden Drilling Management Limited (ODM) in Ottawa, Ontario for preparation and analysis. The sample was processed for gold grains and Metamorphosed Massive Sulphide Indicator Minerals (MMSIMs®) analysis.

Refer to Appendix 3 for detailed descriptions of each analytic technique.

The analytic results for each component of the 2017 program will be summarized in the following text.

In addition one sample collected by Dr. Craig Hart, Ph. D. during the 2012 field season from Diamond Drill Hole JN12013 (Quartz Claim YD65453) was submitted for geochronology analysis. A full report has been provided by Mr. Hart detailing this work and is included in Appendix VII.

Geochemical Surveys

Rock Sampling

A total of 24 rock chip/channel samples were collected from trenches and an additional 15 samples were collected from talus, subcrop and outcrop during prospecting activities. For a detailed description of rock sampling techniques please refer to Appendix 3. Refer to Figure 4a for sample locations and the Figure 4b for traverse lines and outcrop locations.

Several samples from trench TR17-004 collected from outcrop of sandstone and pebble conglomerate returned anomalous results. The most favourable assay results are as follows: 4.77 ppm Au, >1.00 % As, 0.54 ppm Bi, 11.9 ppm Sb and 0.46 ppm Te. Future work is required to follow-up on these results.

One grab sample from the greater Lost Ace Zone area returned anomalous assay results. Grab sample BRJN003, consisting of fine-medium crystalline quartz with blebs of pyrite and galena, returned results of 7.27 ppm Ag, 11.45 ppm Bi and 3400 ppm Pb. The grab sample was collected from a test pit excavated from the same location as the soil sample collected in 2014 which returned 2410 ppb Au.

Soil Sampling

A total of 385 soil samples were collected from 17 lines covering approximately 16.8 line-kilometres (Figure 4c). Three lines (JNL034 to JNL036) were sampled at a 25.0 m station spacing to investigate a highly anomalous gold-in-soil value from the 2014 soil sampling program. The remaining samples from reconnaissance lines were collected at 50.0 meter station spacing. For a detailed description of sampling techniques please refer to Appendix 3.

A total of 13 soil lines were completed in the Lost Ace Zone (JNL029 – 041, refer to Figure 4b), approximately 2.3 km to the northwest of the POW zone, providing additional coverage to the geochemical work completed in 2014. A QAQC duplicate sample of JNL024 14+00W returned highly anomalous Au values of 690 ppb (>99th percentile). Other anomalous Au results from lines JNL036 to 038 follow a general SE trend from this point. Line JNL037 contains 3 anomalous (>95th - 99th percentile) samples in a row (JNL037 05+00E, JNL037 05+50E and JNL037 06+00E) returning gold-in-soil values of 25.0 ppb, 16.7 ppb and 25.7 ppb respectively. Sample JNL038 05+50E was highly anomalous with a gold-in-soil concentration of 59.8 ppb (>99th percentile). Another area of interest occurs in the westernmost samples of lines JNL038 and 039. Samples JNL038 01+00E, JNL038 01+50E and JNL038 02+00E returned anomalous (>95th to 99th percentile) gold-in-soil values of 14.5 ppb, 11.5 ppb and 14 ppb respectively. Although the absolute thresholds for gold values are relatively low, all anomalous results warrant further investigation due to extensive cover in the area. Field work in 2017 indicates that the intensity of the anomaly is directly proportional to the amount of cover overlying mineralized vein systems.

One bulk till/soil sample (MMJNT001) was collected from sample station JNL024 14+00W (Figure 4b) and submitted to Overburden Drilling Management for gold grain counts and grain morphology analysis. The sample returned an astounding 1135 gold grains, of which 1049 were pristine, 88 modified and 0 reshaped from the Heavy Mineral Concentrate (HMC) component of the sample. The HMC fraction also contained trace amounts of pyrite and galena The gold grain morphology suggests that all of the gold grains have been transported < 500.0 metres, with > 90 % of the grains being transported < 100 metres. Furthermore the location of the sample may also yield additional important information for understanding the geologic setting of the lode gold source. The sample was collected from C-horizon soil (regolith) which contained a significant amount of quartz vein rubble (including sample BRJNR003 which contained galena and pyrite) and phyllite. The sample was collected from an area located immediately below a lithologic contact separating a coarse grained sandstone-grit unit and a phyllite unit. The lode gold mineralization observed on the 3 Aces property located 8.0 km to the northwest occurs in the same geologic setting. The quartz vein system located at the Lost Ace mineral showing is exploiting the same lithologic contact approximately 115.0 metres down slope from MMJNT001. The gold grain morphology classification scheme of “pristine”, “modified” and “reshaped” is after Averill, 2001. The following open citation is provided to understand the foundation of his classification scheme: *“The physical resistance of gold is a result of its malleability. This property also results in the grains being moulded systematically during transport, a feature that can be used to gauge their distance of transport as exemplified by the progressive modification and eventual reshaping of pristine grains during glacial transport.” Averill, 2014.* The highly anomalous result returned from MMJNT001 suggests that there is a proximal lode gold source within the current extent of the Justin Property, which is a high priority target for follow-up exploration.

A total of 4 lines (JNL042 – 045) were sampled on the east side of the confluence zone to follow up on some anomalous Bi ± Au results from the 2012 soil sampling program. Unlike the previously described Lost Ace zone, the Confluence zone displays a strong correlation between anomalous Au, Bi and Te. This is interpreted to be the result of the zone's proximity to the Justin Intrusion and its location along the Sprogge Fault. A single sample (JN045 00+00) returned an anomalous (>95th to 99th percentile) gold-in-soil concentration of 35.1 ppb. Weakly to highly anomalous Bi ± Au concentrations occur in the western samples of the three southernmost sample lines (JNL043 – 045). The soil anomaly has a distinct up-slope cutoff at the Sprogge Fault, suggesting that the fault zone is the source of the metals. Further evidence to support this hypothesis is the drill intersection from DDH JN11008, which returned anomalous Au results from the same fault contact several hundred metres down-dip.

Silt Sampling

A total of 2 silt samples were collected from the Lost Ace zone area during the 2017 program (refer to Figure 4c). The samples were collected to provide infill coverage on tributaries draining the Lost Ace zone.

One of the samples returned anomalous (> 95th Percentile) As-Au values, which is located approximately 20.0 metres east of the Lost Ace showing and is interpreted to be significant as it was collected from a stream containing phyllite and quartz vein material. This observation further supports the hypothesis that the grit-phyllite contact is a prospective trend to explore for additional zones of gold mineralization.

Geochemical Statistics

Geochemical statistics were calculated for the 2012 - 2017 soil samples using ioGAS Advanced Exploratory Geochemical Data Analysis software. Highly anomalous gold-bearing outlier samples (n = 1) were removed from the data set prior to calculating summary statistics as these samples exponentially skew the percentile breaks distorting real world geochemical

thresholds. The summary statistics are presented below in Table 2.

Table 2 – Summary statistics for the 2012 - 2017 soil samples (number of samples = 974)

	Ag ppm	As ppm	Au ppb	Bi ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Te ppm	W ppm	Zn ppm
75th percentile	0.22	59.43	3.30	0.55	29.70	0.68	41.05	1.88	0.04	0.16	100.00
90th percentile	0.39	125.75	6.05	0.78	41.55	0.99	65.70	2.84	0.06	0.24	132.00
95th percentile	0.61	194.75	9.58	1.02	52.00	1.43	89.83	3.75	0.07	0.33	161.00
99th percentile	1.25	488.00	53.70	5.71	88.40	2.98	265.50	6.82	0.11	0.76	407.35

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Figure 4b -Traverse, Outcrop & Rock Sample Locations Map

Projection - NAD 83 UTM Zone 9N

Scale - 1:5,000

Inset Map A Scale - 1:500 1/18/2018

544000 545000 546000 547000

6841000 6840000 6839000

N

Inset Map A

MMJNG061 MMJNG063 MMJNG058 MMJNG060 MMJNG059 MMJNG065 MMJNG062 LOST ACE MMJNG083 MMJNG084 MMJNG064 MMJNG075 Start Traverse B

YD87913 PCHYu YD87906 YD87904

0 5 10 15 20 Meters

End Traverse B MMJNG082 MMJNG081 MMJNR141 MMJNG080 MMJNG079 MMJNG078 MMJNR140 MMJNG077 MMJNG076

Inset Map A YD87913 LOST ACE Start Traverse B

YD25838 YD25839 YD25841 YD25840 YD25843 YD25842 YD25826 YD25844 YD25824 YD25825 YD87915 YD87917 YD25822 YD25823 YD87918 YD25820 YD25821 YD25791 YD25818 YD25819 YD25795 YD25797 YD25798 YD25799 YD25801 YD25810 YD25812 YD25815 YD25814 YD25816 YD25817 YD87916 YD87914 YD87919 YD87933 YD87931 YD87928 YD87927 YD87926 YD87934 YD87932 YD87930 YD87929 YD87911 YD87909 YD87907 YD87905 YD87903 YC73281 YC73279 YC73277 YD65452 YD65453 YD65454

YF33063 YF33060 YF33061 YF33059

PCHYu PCHYml mkgqd

Start Traverse A MMJNG066 MMJNR137 MMJNG067 MMJNG068 MMJNG069 MMJNG070 MMJNG071 MMJNG072 MMJNG073 MMJNR139 MMJNG074 End Traverse A

BMJNR007

LOST ACE

Legend

- Geo Stations
- **QDissRsamp Events**
- **Au (g/t)**
  - 0.0-0.2
  - 0.2-0.5
  - 0.5-1.0
  - 1.0-5.0
  - 5.0-22.5
- Mineral Occurrence
- Geologic Stations
- Traverse
- Outcrop
- Justin Property Tenure
- Justin Tenure Quartz Claims
- Contour (20m)
- River

Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H/09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale

For detailed geological descriptions at each geostation refer to Appendix 6.1

0 200 400 600 800 1,000 Meters

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Figure 4c - Sample Locations & Au Results
Projection - NAD 83 UTM Zone 9N
Scale - 1:10,000 1/18/2018

544000 546000 548000 550000

6840000 6838000

JNL029 00+00 JNL030 00+00 JNL031 00+00 JNL032 00+00 JNL033 00+00 JNL034 05+00W JNL035 00+00 JNL036 05+00W JNL037 00+00 JNL038 00+00 JNL039 00+00 JNL017 25+00W JNL040 00+00 JNL015 00+00 JNL041 00+00 JNL013 00+00

JNL032 04+00E JNL025 13+50W MMJNT001 JNL034 00+00 JNL024 14+00W JNL035 04+00E BRJNS002 BRJNS001 JNL036 00+00 JNL038 08+00E JNL023 13+50W JNL039 13+00E BRJNJD001 BRJNJD003 BRJNJD002 JNL040 11+00E LJJND001

JNL029 18+00E JNL030 18+00E JNL031 18+00E JNL025 00+00 JNL033 16+50E JNL024 00+00 JNL037 11+00E RZJND007 JNL023 00+00 JNL017 00+00 JNL015 25+00E JNL041 15+00E JNL013 20+00E JNL014 20+00W JNL014 00+00

JNL042 05+00W JNL020 03+00W JNL021 00+00 JNL019 00+00 JNL043 05+00W JNL044 05+00W JNL045 00+00

JNL042 00+00 JNL020 00+00 JNL021 04+00E JNL019 05+00W JNL043 00+00 JNL044 00+00 JNL045 05+00E

CONFIDENCE

PCHYm PCHYU PCH3 mkgTU ICG COR Sun Creek

Legend

Silt Sample Locations 2017
Au (ppb)
- 0-4
- 4-5
- 5-10
- >10

Soil Sample Locations 2017
Au (ppb)
- 0.05-3.3 (<75th Percentile)
- 3.3-6.1 (75th-90th Percentile)
- 6.1-9.6 (90th-95th Percentile)
- 9.6-53.7 (95th-99th Percentile)
- 53.7-2410 (>99th Percentile)
- Soil Sample Location 2012-2014
- Till Sample Location 2017

Structure
- Bedding
- Fault Plane
- Fold
- Shear Zone

- Mineral Occurrence
- Contour (20m)
- River
- Waterbody
- Outcrop
- Justin Tenure Quartz Claims
- Justin Property Tenure

Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H/09, 105H/10, 106H/11O, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.
Refer to Fig 3 for Geology Legend

0 0.5 1 1.5 2
Kilometers

Trenching Program

A total of four trenches were completed during the 2017 program (Refer to Figure 5). The trenches were located within the Lost Ace zone area, and were completed using a combination of hand tools (TR17-001 to 004) and mechanical equipment (TR17-005). A CanDig heli-portable excavator was used to complete mechanical trenching. A total of 24 rock chip/channel samples were collected during the trenching program. The trench geology and analytic results are summarized below. Refer to Figures 5 for detailed geology and sample locations. Trenching was completed by the following TerraLogic Exploration Inc employees: Mike McCuaig P. Geo and Brad Robison.

Table 3 – Trench Locations and Disturbance Summary

Trench ID	Length (m)	Start Easting	Start Northing	End Easting	End Northing	Volume (m^3)	Disturbance Type
TR17-001	8.5	544821	6840679	544816	6840672	13.0	Hand
TR17-002	3.0	544827	6840669	544826	6840670	1.5	Hand
TR17-003	2.1	544828	6840672	544828	6840673	1.0	Hand
TR17-004	7.1	544869	6840662	544868	6840655	11.0	Hand
TR17-005	1.2	545416	6840303	545416	6840305	2.0	Mechanical
*All coordinates are reported in UTM Nad 83 Zone 9N; Volumes are estimated							

Trench TR17-001 (Figure 5) was designed to sample a course grit to pebble conglomerate with inter-bedded phyllite. The unit tends to have a N-S trending major vein system (ranging from <1 cm to 10 cm thick) with several conjugate vein sets (en echelon, sigmoidal) at approximate orientations of Az 260-270° and 40-45°. Veins cross cut the foliation of the host-rock. Conjugate veins have minor amounts of arsenopyrite and pyrite. The density of the veining is considered good at approximately 10 veins/meter. Finely disseminated arsenopyrite and pyrite was observed in the quartz-pebble conglomerate (QPC) associated with moderate to intense silicification and sericite alteration of the surrounding rock. Only samples MMJNR115 and 116 returned weakly anomalous gold results of 160 and 122 ppb Au respectively. These samples, collected from the northern end of the trench, were likely approaching to contact with the underlying phyllite. It is recommended that the trench be extended to the north-northwest beyond the contact so sampling can be done across the lithologic boundary.

TR17-002 (Figure 5), located approximately 12.0 metres southeast of TR17-001, was initiated to investigate a vein discovered in a 2.0 meter-high outcrop of coarse-grained grit. The veining is exploiting the lithologic contact zone (271°/43°) between a phyllite unit and an overlying coarse grit (coarse grained sandstone and quartz-feldspar pebble conglomerate). Joint orientations were observed at 035°/27°, 210°/68° and 351°/26°. The outcrop generally trends at Az 008° and veins are randomly oriented with a vein density up to 10 veins/meter (1-5 cm thick). Fe-carbonate (ankerite) altering to limonite is common along fracture surfaces within the rock and the quartz veins and weathered surfaces of the outcrop are pitted from dissolution of carbonate minerals. A dominant vein set capping the outcrop (oriented at 322°/52°) contains trace amounts of <1-3 mm anhedral (blebby) to subhedral pyrite and arsenopyrite. En echelon quartz veins are oriented at 082°/32°. While there is mineralization present in the vein system at this location, sample analysis shows that the arsenopyrite is not gold-enriched.

TR17-003 (Figure 5), located 3.5 m north or TR17-002, was designed to investigate more quartz veining hosted in a quartz-pebble conglomerate outcrop. Quartz veining with trace amounts of arsenopyrite and pyrite is associated with increased silicification and sericite alteration of the host rock. Similar to TR17-002 the mineralized veins at this location are not gold-enriched.

TR17-004 (Figure 5) was designed to evaluate an eastern extension of the vein system observed in TR17-001. The host rock is a uniform coarse grained sandstone to quartz-pebble conglomerate (QPC) outcropping (approximately 1.5-2.0 m in height) from a hummocky, moss covered hillside. The QPC has a white-beige matrix with strong sericite alteration. Silica and mica concentrations increase towards the vein contacts. Quartz veins (with rare ankerite clots) are common throughout the host rock and range from <1.0 cm to >100.0 cm thick with vein densities ranging from 1-5 veins/meter. Fine grained (less commonly medium grained) arsenopyrite, with inter-grown pyrite, is observed along the vein contact with the surrounding host rock. Very fine grained arsenopyrite stringers are sub-horizontal within main quartz vein structures and were observed to cross cut at approximately Az 045° dipping south. Six of the channel samples (MMJNR129 to 134) returned gold values that are weakly anomalous to anomalous ranging from 106 to 4770 ppb Au. Mineralogical analysis of samples from Trench TR17-004 showed that native gold is present within the vein systems (Jackson-Brown & Lane, 2017). Sample MMJNR133 is composed predominately of fine to coarse grained granoblastic quartz (80%). Dark veining in the sample is comprised of fine to medium-grained arsenopyrite and fine-grained scorodite with minor chlorite, biotite, sericite, arsenic-bearing pyrite and lollingite. Arsenopyrite forms as euhedral to anhedral grains ranging from 13 µm to 1 mm and towards the center of the vein become more rounded and fractured with partial to complete rims of scorodite. Native gold

has formed as small inclusions within the arsenopyrite and quartz. A post-mineralization hydrothermal or metamorphic event has caused partial dissolution of the arsenopyrite and alteration to scorodite (minor lollingite) resulting in liberation of some gold grains. The northern end of trench was covered by swamp and is presumed to approach the contact with the underlying phyllite. The southern end was covered in boulders and could not be exposed without aid from mechanical equipment. This prospective mineral occurrence has been named the Lost Ace and is open to the north, south and along strike. Refer to Appendix VIII for a complete overview of the mineralogical report provided by Jackson-Brown & Lane, 2017.

TR17-005 was to designed to follow up on a > 99th percentile soil anomaly (90.3 ppb Au) discovered during the 2012 program (JNL017 17+50W) and attempted to locate the bedrock source of the anomaly. Due to the thickness of the overlying soil and till the team was unable to reach the bedrock depth with the available mechanical equipment. Three soil samples (JNBRD001 – 003 – Figure 4c) were collected at different depths from the pit. Weakly anomalous gold concentrations occur in B soil horizon, while the deeper samples collected from the C soil horizon provided no significant results. This is interpreted to indicate the gold has been transported to it's current location. Future detailed soil sampling followed by trenching in the area is warranted, and should focus on prospecting further to the south, up slope from the anomaly.

Table 4 – 2017 Significant Trench Results

Zone	Trench	Sample	Easting	Northing	Composite Channel Sample Results
Lost Ace	TR17-001	MMJNR115	544821	6840679	Au: 160 ppb; Te: 0.08 ppm; Sb: 0.78 ppm; As: 1005 ppm
Lost Ace	TR17-001	MMJNR116	544820	6840678	Au: 120 ppb; Te: 0.02 ppm; Sb: 0.43 ppm; As: 428 ppm
Lost Ace	TR17-004	MMJNR129	544869	6840662	Au: 126 ppb; Te:0.01 ppm; Sb: 0.73 ppm; As: 234 ppm
Lost Ace	TR17-004	MMJNR130	544869	6840662	Au: 106 ppb; Te:0.03 ppm; Sb: 0.50 ppm; As: 807 ppm
Lost Ace	TR17-004	MMJNR131	544869	6840661	Au: 1525 ppb; Te:0.05 ppm; Sb: 1.45 ppm; As: 2550 ppm
Lost Ace	TR17-004	MMJNR132	544869	6840660	Au: 1530 ppb; Te: 0.13 ppm; Sb: 2.79 ppm; As: 4580 ppm
Lost Ace	TR17-004	MMJNR133	544868	6840659	Au: 4770 ppb; Te: 0.46 ppm; Sb: 11.90 ppm; As: 10000 ppm
Lost Ace	TR17-004	MMJNR134	544868	6840658	Au: 614 ppb; Te: 0.09 ppm; Sb: 1.15 ppm; As: 2420 ppm

The correlation matrix displayed in Table 5 was calculated using ioGAS Advanced Exploratory Geochemcial Data Analysis software. From the sampling in 2017 a clear relationship can be observed between Au-Te-Sb-As with Au:Te and Au:Sb having correlation coefficients of 0.93 and Au:As having a correlation coefficient of 0.81. The Au-Te-Sb-As association is different than the Au-Bi-Te-W association observed at the POW zone and is thought to be indicative of a unique style of mineralization. It is also plausible that the metal assemblage observed at the Lost Ace zone is simply a more distal variation in the IRGS signature. In either case, the strong correlation between the pathfinder elements and gold will assist in refining targets using the property geochemical data set.

Table 5 – Correlation Matrix for the 2017 Rock Chip/Channel Samples

Correlation	Au
Te	0.93
Sb	0.93
As	0.81
P	0.67
Mo	0.62
Re	0.49
Ni	0.48
W	0.45
Hg	0.29
Cr	0.20

ABN: TSX-V

Aben RESOURCES LTD.

Justin Project
Figure 5 - Trench Overview Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:500
1/18/2018

544600

544800

6644600

6644800

N

Legend

- Trench Locations

Chip/Channel Samples
Au (g/t)

- 0.0-0.2
- 0.2-0.5
- 0.5-1.0
- 1.0-5.0
- 5.0-22.5

Rock Samples
Au (g/t)

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 5.0
- 5.0 - 22.5

Soil Samples
Au (ppb)

- 0.05-3.3 (<75th Percentile)
- 3.3-6.1 (75th-90th Percentile)
- 6.1-9.6 (90th-95th Percentile)
- 9.6-53.7 (95th-99th Percentile)
- 53.7-2410 (>99th Percentile)
- Mineral Occurrence
- River
- Contour (20m)
- Justin Tenure Quartz Claims

JNL034 02+50W
JNL034 02+25W
JNL034 02+00W
JNL034 01+75W
JNL034 01+50W
JNL034 01+25W
JNL034 01+00W
JNL034 00+75W
JNL034 00+50W
JNL034 00+25W
JNL034 00+00

1440

1420

JNL024 14+00W
JNL024 13+50W
JNL024 13+00W
JNL024 12+50W
JNL024 12+00W

BRJNR001
BRJNR002
BRJNR003

JNL035 02+50E
JNL035 02+75E
JNL035 03+00E
JNL035 03+25E
JNL035 03+50E
JNL035 03+75E
JNL035 04+00E

MMJNR127
MMJNR128
MMJNR129
MMJNR130
MMJNR131
MMJNR132
MMJNR133
TRT1-001
TRT1-002
TRT1-003
BRJNR004
BRJNR005
BRJNR006

PCHYu

MMJNR136

MMJNR122
MMJNR123
MMJNR124
MMJNR125
MMJNR126
MMJNR134
MMJNR135
TRT1-004
LOST ACE

YD87915

1480

1500

YD87913

MMJNR139
MMJNR144

JNL036 02+00W
JNL036 01+75W
JNL036 01+50W
JNL036 01+25W
JNL036 01+00W
JNL036 00+75W
JNL036 00+50W
JNL036 00+25W
JNL036 00+00

JNL037 03+00E
JNL037 03+50E
JNL037 04+00E
JNL037 04+50E
JNL037 05+00E
JNL037 05+50E
JNL037 06+00E

1460

Geology after Moynihan (2018) (unpublished) modified after:
Moynihan, D. (2016): Bedrock Geology of the Upper Hyland River Area, NTTS 105H/07, 105H09, 105H/10, 106H/10, 105I/02, Southeast Yukon. Yukon Geological Survey, Open File 2016-36, 1:50 000 scale.

Refer to Figure 3 for Geology Legend

0 20 40 60 80 100
Meters

CONCLUSIONS

The Property is underlain by sedimentary rocks assigned to the Yusezyu Formation, the older of the two formations comprising the Upper Proterozoic to Lower Cambrian Hyland Group, and by sedimentary rocks of the Upper Cambrian Gull Lake Formation and the Cambrian-Ordovician Rabbitkettle Formation. These sediments are intruded by the Justin stock: a biotite granodiorite to quartz monzonite pluton and a suite of related dykes which are mid-Cretaceous in age 100.1 ± 0.6 Ma (Hart, 2017). The Justin property hosts Au-W skarns, Au ± W bearing sheeted quartz veins, and Au vein-breccia systems which are related to an intrusion related gold (± tungsten) system (IRGS).

The 2017 exploration program was successful in discovering a new gold-bearing mineral occurrence which has been named the Lost Ace zone, 2.0 kilometres northwest of the POW zone. The style of mineralization observed at the Lost Ace zone displays many similarities with the lode gold mineralization observed on the 3 Aces property located 8.0 kilometres to the northwest, in contrast to the IRGS type mineralization observed at the POW zone.

Five trenches were sampled at the Lost Ace zone during the 2017 program targeting mineralized (dominantly arsenopyrite, pyrite±galena) quartz stockwork vein systems. Two channel samples from TR17-001 returned weakly anomalous concentrations of 160 ppb Au and 120 ppb Au. The trench was later interpreted to be several meters above a grit-phyllite unit contact, which on the 3 Aces property is the preferential lithological contact for development of mineralized vein systems. TR17-004 (the Lost Ace showing) returned the most favourable results of the 2017 program with anomalous values ranging from 106-4770 ppb Au. The northern end of the trench was covered by swamp but is interpreted to be approaching the same grit-phyllite contact as observed in TR17-001 to TR17-003. Rock analysis from the Lost Ace zone has demonstrated a strong correlation between Au-Te-Sb-As. Petrographic analysis of the Au-enriched veins show that Au has formed as small inclusions within the arsenopyrite and quartz. A post-mineralization hydrothermal or metamorphic event has caused partial dissolution of the arsenopyrite and alteration to scorodite (minor lollingite) resulting in liberation of some gold grains. These geologic, geochemical and mineralogical observations suggest a new style of mineralization on the Justin Property.

The 2017 soil sampling program was completed in two phases. The first phase focused on expanding soil coverage in what is now known as the Lost Ace zone, to follow up on a significant gold-in-soil result from the 2014 program (2410 ppb Au from JNL024 14+00W). A duplicate QAQC sample from that location returned highly anomalous Au value of 690 ppb (>99th percentile). Further more the soil sampling program outlined a 250.0 metre long As±Au anomaly which extents southeast, and up slope from the highly anomalous 2014 sample, and the newly discovered Lost Ace zone. One bulk till/soil sample was collected from the highly anomalous sample station (JNL024 14+00W) and processed for gold grain counts and morphology. The sample returned a highly anomalous amount of visible gold (1135 grains). Examination of the gold grains indicates that they have been transported < 500 metres from their lode source, with > 90% of the grains having been transported < 100 metres. This anomaly is considered a high-priority target warranting follow-up exploration.

The second phase of soil sampling, focusing on the Confluence Zone, confirmed and expanded upon the the Bi ± Au anomaly first identified during the 2012 program. Updated geological mapping provided by the YGS (Moynihan, 2018) shows that the Bi anomaly originates from the fault contact separating the Yusezyu and Gull Lake Formations. Past exploration on the property in 2011, 2012 and 2014 along the contact has indicated that it was an important focal point for mineralized hydrothermal fluids and warrants further exploration.

Total expenditures related to the Justin Project in 2017 were approximately $92,700.00 from which $81,606.18 was applied as assessment work to select Quartz Claims as outlined in Appendix II.

RECOMMENDATIONS

Further exploration work is strongly recommended on the Justin property with a focus on expanding the POW zone, the Lost Ace zone, the Confluence zone whilst assessing the remainder of the property for economic gold and base metal potential. Recommendations for exploration include, but are not limited to the following items:

- Phase I ($250,000.00)
  - Trenching of high priority targets in the Lost Ace zone;
  - Detailed till sampling program peripheral to the Lost Ace zone to further refine the location of lode gold sources;
  - Infill geochemical surveys and prospecting both east and northwest of the POW-Lost Ace zones, and along the Yusezyu Formation/Gull Lake Formation fault contact in the southeastern portion of the property;
  - Prospecting and geochemical sampling on the mineral claims immediately east of the Nahanni Range Road which overlay favourable geologic units along strike from the 3 Ace showings;
- Phase II ($1,500,000.00)
  - 2500 metres of diamond drilling which would include evaluating the following targets as budget allows:
    1. Diamond drilling of high priority targets in the Lost Ace zone to define near surface Au mineralization;
    2. Diamond drilling targeting cupola zones of the Justin stock peripheral to and down-dip of the POW zone;
    3. Diamond drilling prospective skarn horizons and structural zones between the POW and Lost Ace zones.

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2017 Assessment Report for the Geological and Geochemical Investigation of the Justin Property Yukon Territory

Volume II – Appendices

61º39'N, 128º6'W

NTS Mapsheet 105 H 09

Watson Lake Mining District

Claim Name	Grant Number
JUSTIN 1 - 25	YB59913 - YB70829
SP 1 - 50	YC73232 - YC73281
SP 51 - 55	YD65452 - YD65456
SP 57 - 88	YD87903 - YD87934
SP 89 - 207	YF33001 - YF33119
VF1 - 144	YD25701 - YD25844

Prepared for:

Watson Lake Mining Recorder
PO Box 269
Watson Lake, Yukon Territory, Canada
Y0A 1C0

Prepared by:

Mike McCuaig, P. Geo.

&

Kerry Bates, M. Sc., GIT

TerraLogic Exploration Inc.
Suite 200, 44-12th Avenue South.
Cranbrook, BC, Canada
V1C 2R7

On behalf of:

Aben Resources Ltd.
Suite 1610 – 777 Dunsmuir Street
Vancouver, BC, Canada
V7Y 1K4

Work Performed from August 8th – September 24th, 2017

Appendix I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Michael A. McCuaig, Do hereby certify that:

I am currently employed as a Geologist, with TerraLogic Exploration Inc., Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.

I graduated with a Bachelor of Science Degree from St. Francis Xavier University in 2003.

I have worked as a geologist for 11 years since my graduation from University.

I am currently a member in good standing with the British Columbia Engineers and Geoscientists, Registration Number 39402.

I managed, and participated in field work during the 2017 exploration program on the Justin Project.

The report is supported by geochemical data and samples collected during fieldwork on the Justin Property in the Watson Lake Mining District, during the months of August - September 2017.

I have co-authored the assessment report titled "2017 Assessment Report for the Geological and Geochemical Investigation of the Justin Property", and dated January 31st, 2018 on behalf of Aben Resources Ltd.

Dated this 31st day of January 2018, in Cranbrook, British Columbia.

Michael A. McCuaig, P. Geo.

STATEMENT OF QUALIFICATIONS

I, Kerry B. Bates, Do hereby certify that:

I am currently employed as a Geologist, with TerraLogic Exploration Inc., Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.

I graduated with a Bachelor of Science Degree (Earth Sciences) from Dalhousie University in 2011 and a Master of Science Degree (Geological Sciences) from the University of Manitoba in 2016.

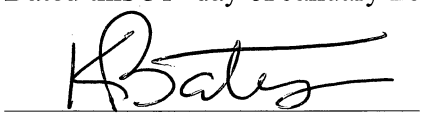
I have worked as a geologist for 2.5 years since my graduation from University.

I am currently a Geologist-in-Training (GIT) in good standing with Engineers & Geoscientists BC, Registration Number 187940.

The report is supported by geochemical data and samples collected by qualified staff employed by TerraLogic Exploration Inc., from the Justin Property in the Watson Lake Mining District, during the months of August – September 2017.

I have co-authored the assessment report titled "2017 Assessment Report for the Geological and Geochemical Investigation of the Justin Property", and dated January 31st, 2018 on behalf of Aben Resources Ltd.

Dated this 31st day of January 2018, in Cranbrook, British Columbia.



Kerry B. Bates, M.Sc., GIT

Appendix II

Statement of Expenditures

Statement of Expenditures 2017 Justin Project					
Geological, Geochemical, Geochronology					**Totals**
Personnel / Position	**Field Days**	**Days**	**Rate**	**Subtotal**	
Mike McCuaig, P. Geo.	9/15/2017 - 9/24/2017 (YD87913, YD87915, YD25844, YD87931, YD65452)	9.50	$675.00	$6,412.50	
Brad Robison, Geotechnician	9/15/2017 - 9/24/2017 (YD87913, YD87915, YD25816)	11.00	$575.00	$6,325.00	
Chris Shook, Geotechnician	8/6/2017 - 8/13/2017 (YD25818, YD25816, YD87919, YD87933, YD87931, YD87928, YD87915, YD87913, YD87911, YD87916, YD87914, YD87912, YD87910, YD87908, YC73253, YC73252)	7.00	$425.00	$2,975.00	
Wesley Rose, Geotechnician	8/6/2017 - 8/13/2017 (YC73262, YC73260, YD87919, YD87933, YD87931, YD87915, YD87913, YD87911, YD87912, YD87910, YD87908, YD25843, YD87916, YD87914, YF33055)	7.00	$375.00	$2,625.00	
Jake Marchi, Geotechnician	8/6/2017 - 8/13/2017 (YD25820, YD87918, YD87919, YD87933, YD87911, YD87909, YD87915, YD87913, YD87911, YD25844, YD87916, YD87914, YD87912, YD87910, YD87908)	7.00	$375.00	$2,625.00	
				$20,962.50	**$20,962.50**
Management and Reporting	**Personnel (Apply to All Claims Worked - Schedule B)**	**Hours**	**Rate**	**Subtotal**	
Project Management	Mike McCuaig, P. Geo.	40.00	$72.00	$2,880.00	
Data Management	Grayson Clague	2.50	$50.50	$126.25	
GIS and Logistics	Brad Robsion	0.50	$61.50	$30.75	
Mineralogical Report	Process Mineralogy Consulting (Flat Fee for Reporting on 1 sample)	1.00	$1,300.00	$1,300.00	
Reporting	K. Bates, M. Sc., G.I.T.	70.00	$53.50	$3,745.00	
Reporting	M. McCuaig, P. Geo.	20.00	$72.00	$1,440.00	
				$9,522.00	**$9,522.00**
Geochemical Surveying	**Number of Samples**	**Number**	**Rate**	**Subtotal**	
Geochronology (U-Pb) - MDRU	1 (YD65452)	1	$1,750.00	$1,750.00	
Stream sediment	2 (YD87913, YD87915)	2	$21.13	$42.26	
Soil	Total Soil Samples 385; Soils by Quartz Claim (Number of Samples, Grant Number): 6, YC73252; 27, YC73253; 9, YC73260; 2, YC73262; 3, YD25816; 3, YD25818; 2, YD25820; 11, YD25843; 4, YD25844; 7, YD87908; 2, YD87909; 34, YD87910; 22, YD87911; 31, YD87912; 42, YD87913; 27, YD87914; 72, YD87915; 12, YD87916; 7, YD87918; 19, YD87919; 5, YD87928; 14, YD87931; 24, YD87933; 1, YF33055.	385	$20.63	$7,941.38	
Rock	Total Rock Samples 45; Rocks by Quartz Claim (Number of Samples, Grant Number): 39, YD87913; 2, YD25844; 1, YD25816; 1, YD65452; 1, YD87931; 1, YD87915.	45	$80.27	$3,612.11	
				$13,345.75	**$13,345.75**
Trenching Operations	**(YD87913, YD87933) LQ00342a**	**Number**	**Rate**	**Subtotal**	
Trenching	Twilite Services CanDig Heli Portable Excavator - rental fee per day (YD87913, YD87933)	7.9	$100.00	$790.00	
				$790.00	**$790.00**
Transportation	**Personnel (Apply to All Claims Worked - Schedule B)**	**Number**	**Rate**	**Subtotal**	
Truck rental	Rental fee per week	1.50	$700.00	$1,050.00	
Kilometers	Whitehorse - Watson Lake - Tuchitua - km 143 Nahanni Range Road x 4 trips	2840.00	$0.30	$852.00	
Fuel	Truck Fuel			$570.00	
Helicopter (hours)	Bell Long Ranger 3 - Heli Dynamics	17.24	$1,450.00	$25,000.00	
Helicopter Fuel (litres/hour)		2324.00	$1.80	$4,183.20	
				$31,655.20	**$31,655.20**
Accommodation & Food	**Personnel (Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Hotel				$1,587.06	
Camp	Groceries, general camp supplies			$211.23	
Meals	Actual cost of meals whilst traveling to and from the project - 5 pp			$1,009.70	
				$2,807.99	**$2,807.99**
Geological and Geochemica	**Personnel (Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Report Production				$400.00	
Sampling Consumables	sample bags, tags, flagging, gloves, bear spray, batteries, maps			$277.49	
				$677.49	**$677.49**
Equipment Rentals	**Personnel (Apply to All Claims Worked - Schedule B)**	**Number**	**Rate/Week**	**Subtotal**	
Chainsaw	TerraLogic Exploration Inc. (1 for 1.21 weeks)	1.21	$45.00	$54.45	
Channel Saw + Blade	Yukon Rentals	1.00	$250.00	$250.00	
Radio	TerraLogic Exploration Inc. (1 for 4.97 weeks)	4.97	$55.00	$273.35	
Computers	TerraLogic Exploration Inc. (1 for 2.06 weeks)	2.06	$55.00	$113.30	
Field Kits	TerraLogic Exploration Inc. (1 field kits for 3.76 weeks)	3.76	$60.00	$225.60	
Firearm	TerraLogic Exploration Inc. (1 for 1.21 weeks (12 gague shotgun))	1.21	$30.00	$36.30	
Small Tools Kit	TerraLogic Exploration Inc. (1 for 1.21 weeks)	1.21	$90.00	$108.90	
Survival Kit	TerraLogic Exploration Inc. (1 for 2.06 weeks)	2.06	$30.00	$61.80	
Trailer	Taits Trailers	1.00	$400.00	$400.00	
				$1,523.70	**$1,523.70**
Freight	**Personnel (Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Expediting	Small's Expediting Services and Freight			$321.55	
				$321.55	**$321.55**
TOTAL Expenditures					**$81,606.18**

Appendix III

Geochemical Protocol

3.1 Handling and Sampling Protocol

All 2017 samples were collected by TerraLogic Exploration Inc employees. The sampling process is standardized and continually monitored for quality assurance and quality control. Four types of samples were collected during the program, these include: rock, silt, soil, and drill core samples. All samples are described in a field notebook in the field at the time of collection and also have a GPS location recorded at the site. Upon returning to the field office all of the sample metadata was input into a digital database. All of the 2017 samples from the Justin program were delivered directly to ALS Minerals at 78 Mt Sima Road, Whitehorse, YT for sample preparation. Subsequent analysis was completed by ALS Minerals at 2103 Dollarton Hwy, North Vancouver, BC.

Rock Samples

Rock samples were collected where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop rock sample types, depending on the perceived distance the rock had traveled from its source. Rocks were collected from outcrops as fist sized Grab samples, or as Chip or Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length using a hammer and chisel. Channel samples are a continuous and representative sample using the channel saw. In each case rock samples were recorded on digital access forms in a portable tablet device with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were shipped in plastic rice bags with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Soil Samples

Samplers conducted soil sampling traverses over contour lines. Soil lines were laid out using compass bearings and hand held GPS units. Sample spacing during this program was 50 metres. Soil samples were collected from pits dug with geotuls to an average depth of 15-30 cm. Where possible the soil sample was collected from the B-Horizon of the soil profile, unless the C-Horizon was the target sample medium (in the case of the bulk till/soil sample MMJNT001). Attribute data collected for each soil sample included: sample size, quality, depth, slope of sample site, soil horizon, colour and other notes. Sample size is rated from 1-5 with one being much too small sample size and 5 being the perfect sample size, filling roughly ¾ of the sample bag. Quality of the sample was rated from 1-5 with 1 being very poor quality and 5 being excellent quality. Factors that include: sample size, soil development and quality (the lack of organics), and depth of sample all contribute to the overall assigned quality.

Silt Samples

Geologists collected silt samples at a couple of stream localities while on traverse to verify historic geochemical values. Attribute data collected for each silt sample included: sample size, quality, depth, water velocity and tributary order. Samples size is rated on a scale of 1-5 with 1 being a very small sample and 5 being the perfect sample amount, filling roughly ¾ of the sample bag. Factors that include: sample size and silt quality (lack or pebbles or mud) contribute to the overall assigned quality.

Sample Handling and Shipping Procedure

All samples were brought back to the field base camp; here soil and silt samples were arranged in order and laid to dry. Rock samples were also lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of the program, a series of shipments was prepared. This required one person going through each sample ensuring that all samples were in order and that any missing samples were accounted for with an empty bag marked with the sample number and "LS" for lost sample. The other person would record each sample number to be shipped. Once recorded, the samples were placed in rice bags labeled with the shipment number and addresses. Each shipping bag weighed approximately 25 kg. The list of samples was compared to the database and any discrepancies investigated. Once the list of samples to be shipped matched the database's records, the bags were sealed with a zip tie security seal. The bags were delivered to the ALS Minerals Preparation Laboratory in Whitehorse, YT.

The bulk till sample was packaged in a large plastic sample bag and placed within a plastic bucket. The locking lid of the bucket was secured with tape. The bulk till sample was delivered to Overburden Drilling Management in Ottawa, Ontario via Greyhound.

3.2 Analytic Procedures

The 2017 exploration program resulted in the collection of 385 soil samples, 2 silt samples, 24 rock chip/channel samples from trenches, an additional 13 chip samples from prospecting traverses, and 1 till/bulk soil sample. All soil, silt, rock chip/channel samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation and subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. All chip/channel samples were washed prior to preparation to reduce the risk of metal contamination from soil overlying the trenches. The following analytic techniques were used for all rock samples: ME-MS41 and Au-AA23 30 g Fire Assay while a total of 24 rock chip/channel samples underwent additional analysis using Au-SCR21 Fire Assay – 100 to 106 µm, Au-AA25 30g and Au-AA25D 30g. The following analytic techniques were used for all soil and silt samples: ME-MS41 and Au-ST43. The Company's QAQC measures included insertion of external blanks and standards into the sample stream for all rock chip/channel samples and drill core samples. A minimum of one standard sample and one blank sample were inserted for each trench and a minimum of one standard was submitted into each diamond drill hole sample stream. The till/bulk soil sample was sent to Overburden Drilling Management Limited (ODM) in Ottawa, Ontario for preparation and analysis. The sample was processed for gold grains and Metamorphosed Massive Sulphide Indicator Minerals (MMSIMs®) analysis.

Logging Samples Received as Pulps

All pulp samples received at ALS Chemex are furnished with a bar code label attached to the original sample bag. The system will also accept client supplied bar coded labels that are attached to sampling bags in the field. The label is scanned and the weight of the sample is recorded together with additional information such as date, time, equipment used and operator name. The scanning procedure is used for each subsequent activity involving the sample from preparation to analysis, through to storage or disposal of the pulp.

At least one out of every 50 samples is selected at random for routine pulp QC tests (LOG-QC). For routine pulps, the specification is 85 % passing a 75 micron screen. Other specifications may be checked as per client requirements.

Method Code	Specifications	Description
LOG-23	85 % < 75 ☐m	Log received sample pulp in tracking system (Sample pulps received with bar code labels attached).
LOG-24	85 % < 75 ☐m	Log received sample pulp in tracking system (Sample pulps received without bar code labels attached).
LOG-25	95 % < 106 ☐m	Log received sample pulp in tracking system (Sample pulps received with bar code labels attached).
LOG-26	95 % < 106 ☐m	Log received sample pulp in tracking system (Sample pulps received without bar code labels attached).
LOG-QC	See method specifications	Testing Procedure for samples received as pulp.

ALS Minerals

SAMPLE PREPARATION PACKAGE

PREP- 31

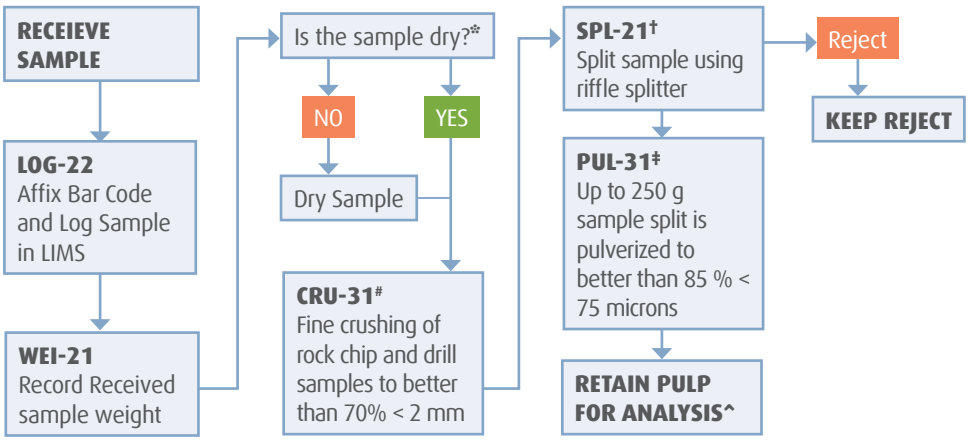
STANDARD SAMPLE PREPARATION: DRY, CRUSH, SPLIT AND PULVERIZE

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. This method is appropriate for rock chip or drill samples.

METHOD CODE	DESCRIPTION
LOG-22	Sample is logged in tracking system and a bar code label is attached.
DRY-21	Drying of excessively wet samples in drying ovens. This is the default drying procedure for most rock chip and drill samples.
CRU-31	Fine crushing of rock chip and drill samples to better than 70% of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-31	A sample split of up to 250 g is pulverized to better than 85% of the sample passing 75 microns.

FLOW CHART - SAMPLE PREPARATION PACKAGE – PREP-31 STANDARD SAMPLE PREPARATION: DRY, CRUSH, SPLIT AND PULVERIZE



*If samples air-dry overnight, no charge to client. If samples are excessively wet, the sample should be dried to a maximum of 120°C. (**DRY-21**)

#QC testing of crushing efficiency is conducted on random samples (**CRU-QC**).

†The sample reject is saved or dumped pending client instructions. Prolonged storage (> 45 days) of rejects will be charged to the client.

‡QC testing of pulverizing efficiency is conducted on random samples (**PUL-QC**).

^Lab splits are required when analyses must be performed at a location different than where samples received.

ALS Minerals

SAMPLE PREPARATION PACKAGE

PREP- 41

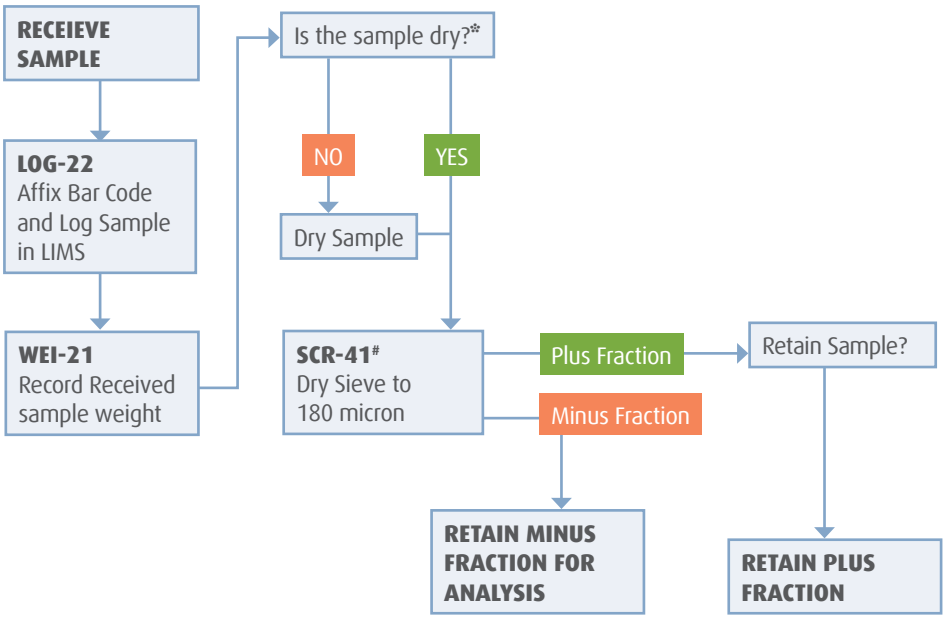
STANDARD PREPARATION: DRY SAMPLE AND DRY- SIEVE TO –180 MICRON

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

An entire sample is dried and then dry-sieved using a 180 micron (Tyler 80 mesh) screen. The plus fraction is retained unless disposal is requested. This method is appropriate for soil or sediment samples up to 1 kg in weight.

METHOD CODE	DESCRIPTION
LOG-22	Sample is logged in tracking system and a bar code label is attached.
DRY-22	Low temperature drying of excessively wet samples where the oven temperature is not to exceed 60°C. This method is suitable for more soil and sediment samples that are analyzed for volatile elements.
SCR-41	Sample is dry-sieved to – 180 micron and both the plus and minus fractions are retained.

SAMPLE PREPARATION FLOWCHART PACKAGE –PREP- 41



*If samples air-dry overnight, no charge to client. If samples are excessively wet, the sample should be dried to a maximum of 120°C. (**DRY-21**)

#The plus fraction is the material remaining on the screen. The minus fraction is the material passing through the screen.

†The plus fraction is retained unless disposal is requested.

Geochemical Procedure

ME- MS41
Ultra- Trace Level Methods Using ICP- MS and ICP- AES

Sample Decomposition:

Aqua Regia Digestion (GEO-AR01)

Analytical Method:

Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES) Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples are then analysed by ICP-MS for the remaining suite of elements. The analytical results are corrected for inter-element spectral interferences.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10 000
Gold	Au	ppm	0.2	25
Boron	B	ppm	10	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1 000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10 000
Chromium	Cr	ppm	1	10 000

Geochemical Procedure

Element	Symbol	Units	Lower Limit	Upper Limit
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500
Mercury	Hg	ppm	0.01	10 000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10 000
Lithium	Li	ppm	0.1	10 000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10 000
Phosphorus	P	ppm	10	10 000
Lead	Pb	ppm	0.2	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	0.2	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000

Element	Symbol	Units	Lower Limit	Upper Limit
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.05	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.05	10 000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

NOTE: In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.

Geochemical Procedure

Au-ST43/44
Determination of ultra-trace level gold by Aqua Regia

Sample Decomposition:

Gold aqua regia digestion (GEO-AUAR01/02)

Analytical Method:

Inductively Couple Plasma – Mass Spectrometry (ICP-MS)

Finely pulverised sample is digested in aqua regia. The gold in solution is determined by ICP-MS.

Samples containing high sulfides or carbon may lead to low gold recoveries unless they are roasted prior to digestion.

Method Code	Symbol	Units	Mass	Lower Limit	Upper Limit
Au-ST43	Au	ppm	25 g	0.0001	0.1
Au-ST44	Au	ppm	50 g	0.0001	0.1

ALS Minerals

FIRE ASSAY PROCEDURE

Au- SCR21

PRECIOUS METALS ANALYSIS – SCREEN METALLICS GOLD, DOUBLE MINUS

SAMPLE DECOMPOSITION

Fire Assay Fusion

ANALYTICAL METHOD

Gravimetric

1000 g of the final prepared pulp is passed through a 100 micron (Tyler 150 mesh) stainless steel screen to separate the oversize fractions. Any +100 micron material remaining on the screen is retained and analyzed in its entirety by fire assay with gravimetric finish and reported as the Au(+)fraction result. The –100 micron fraction is homogenized and two sub-samples are analyzed by fire assay with AAS finish (Au-AA25 and Au-AA25D). The average of the two AAS results is taken and reported as the Au (-) fraction result. All three values are used in calculating the combined gold content of the plus and minus fractions.

In the fire assay procedure, the sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required in order to produce a lead button. The lead button, containing the precious metals, is cupelled to remove the lead and the resulting precious metal bead is parted in dilute nitric acid, annealed and weighed to determine gold content.

The gold values for both the +100 and -100 micron fractions are reported together with the weight of each fraction as well as the calculated total gold content of the sample.

Calculations

$$\text{Au – avg} = \frac{\text{Au – (1)} + \text{Au –(2)}}{2}$$

$$\text{AuTotal (g / t)} = \frac{(\text{Au – avg (g/t)} \times \text{Wt.Minus(g)} \times 10^{-6}\ \text{t /g}) + (\text{Weight Au in Plus(mg)} \times 10^{-3}\ \text{g/mg})}{(\text{Wt.Minus(g)} + \text{Wt.Plus(g)}) \times 10\ \text{–6 t / g}}$$

Au- SCR21

FIRE ASSAY

Density = Specific gravity x Density of water (at temperature (t°C))

Factors for converting specific gravity to density are tabulated below:

DETERMINATION	DESCRIPTION	DETECTION LIMIT	UPPER LIMIT	UNITS
Au Total (+)(-) Combined	Total gold content of sample as determined by metallics calculation above.	0.05	0.05	ppm
Au (+) Fraction	Gold content of plus fraction determined by Au-GRA21.	0.05	0.05	ppm
Au (-) Fraction	Gold content of minus fraction. Reported as average of two subsamples.	0.05	0.05	ppm
Au-AA25	Gold content of first minus fraction subsample.	0.05	0.05	ppm
Au-AA25D	Gold content of second minus fraction subsample.	0.05	0.05	ppm
Au (+) mg	Weight of gold in plus fraction.	0.001	0.001	mg
WT. (+) Fraction Entire	Weight of plus fraction.	0.01	0.01	g
WT. (-) Fraction Entire	Weight of minus fraction.	0.1	0.1	g

ALS Minerals

FIRE ASSAY PROCEDURE

Au-AA25 & Au-AA26

FIRE ASSAY FUSION, AAS FINISH

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUS03 & FA-FUS04)

ANALYTICAL METHOD

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven. 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 10 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-AA25	Gold	Au	ppm	30	0.01	100	Au-GRA21
Au-AA26	Gold	Au	ppm	50	0.01	100	Au-GRA21

ALS Minerals

FIRE ASSAY PROCEDURE

Au-AA23 & Au-AA24

FIRE ASSAY FUSION, AAS FINISH

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

ANALYTICAL METHOD

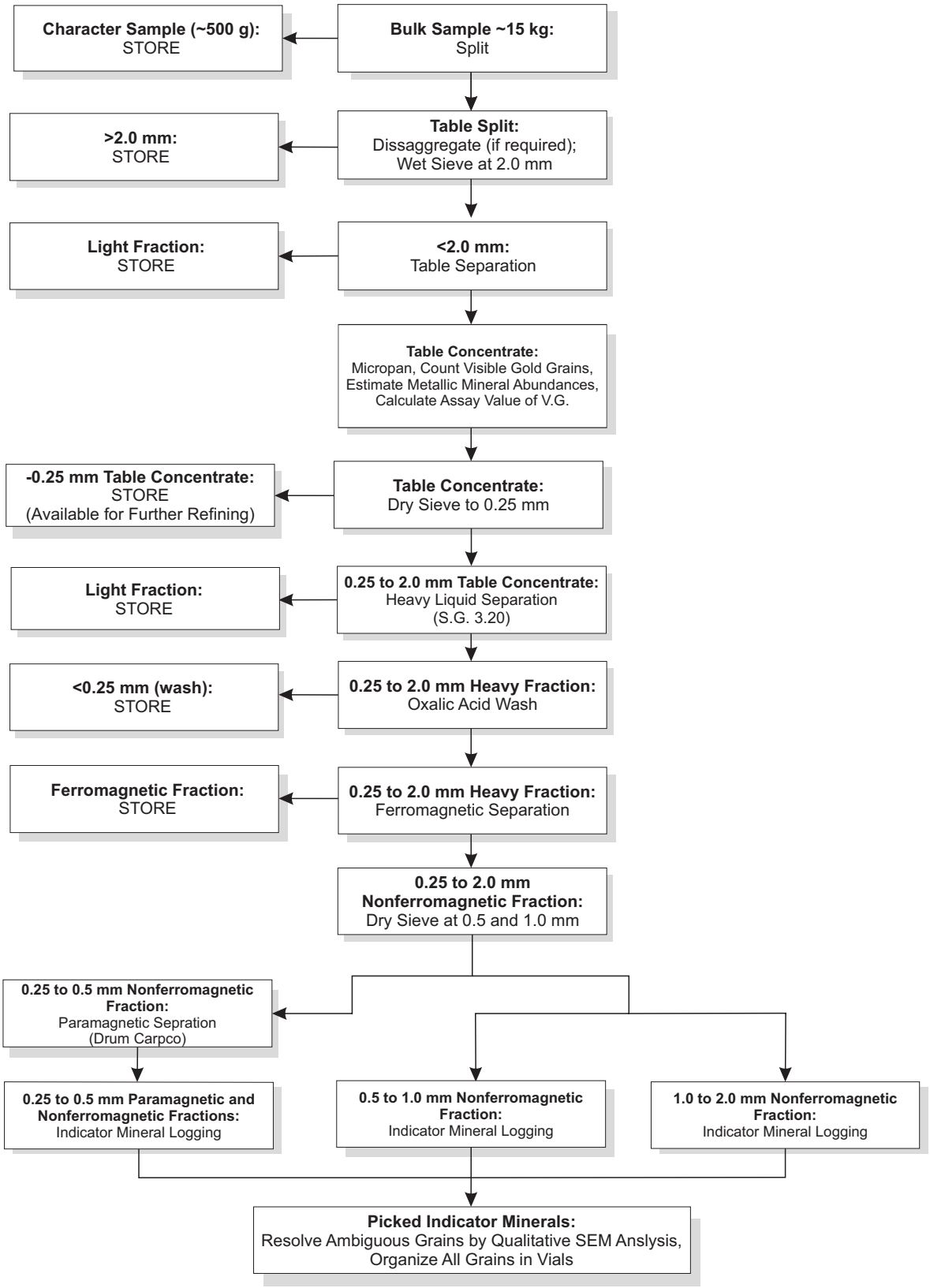
Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA21

Overburden Drilling Management Limited



Processing flow sheet for gold grains + indicator minerals.

3.3 Software

The following is a list of software used in the field and writing of this report:

- Arc GIS 9.3 & 10.3
- Microsoft Access
- Apache Open Office
- IoGas
- Adobe Acrobat 10

Appendix IV

Sample Locations & Sample Description Data

Appendix 4
Soil Sample Locations and Descriptions

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
BRJND001	9/20/2017		assay	GPS		545416.75	6840303.8	3			100	C	4	rocky
BRJND002	9/20/2017		assay	GPS		545416.75	6840303.8	3			75	B	4	rocky
BRJND003	9/20/2017		assay	GPS		545416.75	6840303.8	3			10	A	3	organic
BRJND004	9/21/2017		assay	GPS		544753	6840695	3			20	B	3	rocky
JNL029 00+00	8/7/2017		assay	GPS		544326	6841163			0-20	10-20CM	B	2	ORGANIC
JNL029 00+50E	8/7/2017		assay	map		544376	6841164			0-20	0-10CM	B	2	ORGANIC
JNL029 01+00E	8/7/2017		assay	map		544426	6841166			0-20	10-20CM	B	2	ROCKY
JNL029 01+50E	8/7/2017		assay	map		544476	6841167			0-20	10-20CM	B	3	ORGANIC
JNL029 02+00E	8/7/2017		assay	map		544526	6841169			0-20	10-20CM	B	2	ORGANIC
JNL029 02+50E	8/7/2017		assay	map		544576	6841170			0-20	10-20CM	B	3	ROCKY
JNL029 03+00E	8/7/2017		assay	map		544626	6841172			0-20	10-20CM	B	3	ORGANIC
JNL029 03+50E	8/7/2017		assay	map		544676	6841174			0-20	10-20CM	B	4	ORGANIC
JNL029 04+00E	8/7/2017		assay	map		544726	6841175			0-20	10-20CM	B	3	ORGANIC
JNL029 04+50E	8/7/2017		assay	map		544776	6841177			0-20	10-20CM	B	3	WET CLAY
JNL029 05+00E	8/7/2017		assay	no sample		544826	6841178			0-20	10-20CM	B		NO SAMPLE
JNL029 05+50E	8/7/2017		assay	map		544876	6841180			0-20	10-20CM	B	2	ORGANIC
JNL029 06+00E	8/7/2017		assay	map		544926	6841182			0-20	0-10CM	B	2	ROCKY
JNL029 06+50E	8/7/2017		assay	map		544976	6841183			0-20	0-10CM	B	3	ORGANIC
JNL029 07+00E	8/7/2017		assay	map		545026	6841185			0-20	0-10CM	B	1	ORGANIC
JNL029 07+50E	8/7/2017		assay	no sample		545076	6841186			0-20	10-20CM	B		NO SAMPLE
JNL029 08+00E	8/7/2017		assay	no sample		545126	6841188			0-20	10-20CM	B		ORGANIC
JNL029 08+50E	8/7/2017		assay	map		545176	6841189			0-20	10-20CM	B	1	ROCKY
JNL029 09+00E	8/7/2017		assay	map		545226	6841191			0-20	10-20CM	B	2	ROCKY
JNL029 09+50E	8/7/2017		assay	map		545276	6841193			0-20	10-20CM	B	2	ROCKY
JNL029 10+00E	8/7/2017		assay	GPS		545326	6841194			0-20	10-20CM	B	2	ROCKY
JNL029 10+50E	8/7/2017		assay	map		545376	6841196			20-40	10-20CM	B	2	ROCKY
JNL029 11+00E	8/7/2017		assay	map		545426	6841197			0-20	10-20CM	B	2	ROCKY
JNL029 11+50E	8/7/2017		assay	map		545476	6841199			0-20	10-20CM	B		NO SAMPLE
JNL029 12+00E	8/7/2017		assay	map		545526	6841201			0-20	10-20CM	B	1	TALUS

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL029 12+50E	8/7/2017		assay	map		545576	6841202			0-20	10-20CM	B	4	ROCKY
JNL029 13+00E	8/7/2017		assay	map		545626	6841204			40-60	10-20CM	B	4	ROCKY
JNL029 13+50E	8/7/2017		assay	map		545676	6841205			20-40	0-10CM	B	3	ROCKY
JNL029 14+00E	8/7/2017		assay	map		545726	6841207			20-40	0-10CM	B	1	ROCKY
JNL029 14+50E	8/7/2017		assay	map		545776	6841208			20-40	0-10CM	B	2	ROCKY
JNL029 15+00E	8/7/2017		assay	GPS		545826	6841210			20-40	10-20CM	B	3	ROCKY
JNL029 15+50E	8/7/2017		assay	map		545876	6841212			20-40	10-20CM	B	3	ROCKY
JNL029 16+00E	8/7/2017		assay	map		545926	6841213			40-60	10-20CM	B	1	TALUS
JNL029 16+50E	8/7/2017		assay	map		545976	6841215			20-40	10-20CM	B	2	TALUS
JNL029 17+00E	8/7/2017		assay	map		546026	6841216			40-60	10-20CM	B	2	ROCKY
JNL029 17+50E	8/7/2017		assay	map		546076	6841218			40-60	10-20CM	B	1	ORGANIC
JNL029 18+00E	8/7/2017		assay	GPS		546126	6841220			40-60	10-20CM	B	1	TALUS
JNL030 00+00	8/7/2017		assay	GPS		544331	6841048			0-20	20-30CM	B	3	LINE START
JNL030 00+50E	8/7/2017		assay	map		544381	6841050			0-20	20-30CM	B	3	ROCKY
JNL030 01+00E	8/7/2017		assay	map		544430	6841052			0-20	20-30CM	B	3	ROCKY
JNL030 01+50E	8/7/2017		assay	map		544480	6841054			0-20	30-40CM	B	2	ROCKY
JNL030 02+00E	8/7/2017		assay	map		544530	6841056			0-20	30-40CM	B	3	ROCKY
JNL030 02+50E	8/7/2017		assay	map		544580	6841058			0-20	50-60CM	B	2	ROCKY
JNL030 03+00E	8/7/2017		assay	map		544630	6841060			0-20	60-70CM	B	3	ROCKY
JNL030 03+50E	8/7/2017		assay	map		544680	6841062			0-20	50-60CM	B	3	ROCKY
JNL030 04+00E	8/7/2017		assay	map		544730	6841064			0-20	40-50CM	B	4	ROCKY
JNL030 04+50E	8/7/2017		assay	map		544780	6841066			0-20	50-60CM	B	3	ROCKY
JNL030 05+00E	8/7/2017		assay	GPS		544830	6841068			0-20	40-50CM	B	4	
JNL030 05+50E	8/7/2017		assay	map		544880	6841070			0-20	50-60CM	B	3	ROCKY
JNL030 06+00E	8/7/2017		assay	map		544930	6841072			0-20	60-70CM	B	3	ROCKY
JNL030 06+50E	8/7/2017		assay	map		544980	6841074			0-20	40-50CM	B	3	ROCKY
JNL030 07+00E	8/7/2017		assay	map		545030	6841076			0-20	50-60CM	B	2	ROCKY
JNL030 07+50E	8/7/2017		assay	map		545080	6841078			0-20	40-50CM	B	3	ROCKY
JNL030 08+00E	8/7/2017		assay	map		545130	6841080			0-20	40-50CM	B	4	
JNL030 08+50E	8/7/2017		assay	map		545180	6841082			0-20	50-60CM	B	4	
JNL030 09+00E	8/7/2017		assay	map		545230	6841084			0-20	50-60CM	B	4	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL030 09+50E	8/7/2017		assay	map		545280	6841086			0-20	50-60CM	B	4	
JNL030 10+00E	8/7/2017		assay	GPS		545330	6841088			0-20	50-60CM	B	4	
JNL030 10+50E	8/7/2017		assay	map		545380	6841090			0-20	60-70CM	B	3	ROCKY
JNL030 11+00E	8/7/2017		assay	no sample		545430	6841092			0-20	N/A	B		TALUS
JNL030 11+50E	8/7/2017		assay	map		545480	6841094			0-20	60-70CM	B	1	TALUS
JNL030 12+00E	8/7/2017		assay	map		545530	6841096			0-20	50-60CM	B	3	ROCKY
JNL030 12+50E	8/7/2017		assay	map		545580	6841098			0-20	50-60CM	B	4	
JNL030 13+00E	8/7/2017		assay	map		545630	6841100			0-20	40-50CM	B	4	
JNL030 13+50E	8/7/2017		assay	map		545679	6841102			0-20	50-60CM	B	3	ROCKY
JNL030 14+00E	8/7/2017		assay	map		545729	6841104			0-20	40-50CM	B	2	TALUS
JNL030 14+50E	8/7/2017		assay	map		545779	6841106			20-40	40-50CM	B	3	ROCKY
JNL030 15+00E	8/7/2017		assay	GPS		545829	6841108			20-40	50-60CM	B	3	ROCKY
JNL030 15+50E	8/7/2017		assay	map		545879	6841110			40-60	40-50CM	B	2	TALUS
JNL030 16+00E	8/7/2017		assay	map		545929	6841112			40-60	40-50CM	B	2	TALUS
JNL030 16+50E	8/7/2017		assay	map		545979	6841114			40-60	30-40CM	B	3	TALUS
JNL030 17+00E	8/7/2017		assay	map		546029	6841116			40-60	30-40CM	B	3	TALUS
JNL030 17+50E	8/7/2017		assay	map		546079	6841118			40-60	30-40CM	B	3	TALUS
JNL030 18+00E	8/7/2017		assay	GPS		546129	6841120			40-60	30-40CM	B	3	LINE END
JNL031 00+00	8/7/2017		assay	GPS		544334	6840965			20-40	20-30	B	3	LINE START
JNL031 00+50E	8/7/2017		assay	map		544384	6840967			20-40	20-30	B	2	ROCKY
JNL031 01+00E	8/7/2017		assay	map		544434	6840968			0-20	10-20CM	B	3	
JNL031 01+50E	8/7/2017		assay	map		544483	6840970			0-20	10-20CM	B	2	ORGANIC
JNL031 02+00E	8/7/2017		assay	map		544533	6840971			0-20	10-20CM	B	3	
JNL031 02+50E	8/7/2017		assay	map		544583	6840973			0-20	10-20CM	B	2	ORGANIC
JNL031 03+00E	8/7/2017		assay	map		544633	6840974			0-20	10-20CM	B	4	
JNL031 03+50E	8/7/2017		assay	map		544683	6840976			20-40	10-20CM	B	3	
JNL031 04+00E	8/7/2017		assay	map		544733	6840977			0-20	10-20CM	B	4	ROCKY
JNL031 04+50E	8/7/2017		assay	map		544783	6840979			0-20	10-20CM	B	4	
JNL031 05+00E	8/7/2017		assay	GPS		544833	6840980			0-20	20-30CM	B	4	
JNL031 05+50E	8/7/2017		assay	map		544883	6840982			0-20	10-20CM	B	3	
JNL031 06+00E	8/7/2017		assay	map		544933	6840983			0-20	10-20CM	B	2	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL031 06+50E	8/7/2017		assay	map		544983	6840985			0-20	10-20CM	B	3	CLAY
JNL031 07+00E	8/7/2017		assay	map		545033	6840986			0-20	10-20CM	B	3	CLAY
JNL031 07+50E	8/7/2017		assay	map		545083	6840988			0-20	0-10CM	B	3	
JNL031 08+00E	8/7/2017		assay	map		545133	6840989			0-20	10-20CM	B	4	ROCKY
JNL031 08+50E	8/7/2017		assay	map		545183	6840991			20-40	10-20CM	B	3	
JNL031 09+00E	8/7/2017		assay	map		545233	6840992			0-20	20-30CM	B	3	
JNL031 09+50E	8/7/2017		assay	map		545283	6840994			0-20	20-30CM	B	2	ORGANIC
JNL031 10+00E	8/7/2017		assay	GPS		545333	6840995			0-20	40-50CM	B	2	ORGANIC
JNL031 10+50E	8/7/2017		assay	no sample		545383	6840997			0-20	N/A	B		NO SAMPLE
JNL031 11+00E	8/7/2017		assay	no sample		545433	6840998			0-20	N/A	B		NO SAMPLE
JNL031 11+50E	8/7/2017		assay	map		545483	6841000			20-40	20-30CM	B	2	ORGANIC
JNL031 12+00E	8/7/2017		assay	map		545533	6841001			20-40	40-50CM	B	2	ORGANIC
JNL031 12+50E	8/7/2017		assay	map		545583	6841003			20-40	40-50CM	B	2	ORGANIC
JNL031 13+00E	8/7/2017		assay	no sample		545633	6841005			20-40	N/A	B		NO SAMPLE
JNL031 13+50E	8/7/2017		assay	no sample		545683	6841006			20-40	N/A	B		NO SAMPLE
JNL031 14+00E	8/7/2017		assay	map		545733	6841008			20-40	10-20CM	B	3	ORGANIC
JNL031 14+50E	8/7/2017		assay	map		545783	6841009			20-40	10-20CM	B	3	
JNL031 15+00E	8/7/2017		assay	GPS		545833	6841011			20-40	20-30CM	B	2	ORGANIC
JNL031 15+50E	8/7/2017		assay	map		545883	6841012			40-60	0-10CM	B	3	CLAY
JNL031 16+00E	8/7/2017		assay	no sample		545933	6841014			40-60	N/A	B		NO SAMPLE
JNL031 16+50E	8/7/2017		assay	map		545983	6841015			40-60	0-10CM	B	3	ROCKY
JNL031 17+00E	8/7/2017		assay	map		546033	6841017			20-40	0-10CM	B		ROCKY
JNL031 17+50E	8/7/2017		assay	map		546083	6841018			40-60	0-10CM	B	3	ORGANIC
JNL031 18+00E	8/7/2017		assay	GPS		546133	6841020			40-60	0-10CM	B	2	
JNL032 00+00	8/8/2017		assay	GPS		544327	6840877			20-40	20-30CM	B	3	LINE START
JNL032 00+50E	8/8/2017		assay	map		544377	6840879			20-40	20-30CM	B	4	ROCKY
JNL032 01+00E	8/8/2017		assay	map		544427	6840880			0-20	30-40CM	B	3	ROCKY
JNL032 01+50E	8/8/2017		assay	map		544477	6840882			0-20	40-50CM	B	3	ORGANIC
JNL032 02+00E	8/8/2017		assay	map		544527	6840884			0-20	40-50CM	B	2	ROCKY
JNL032 02+50E	8/8/2017		assay	map		544577	6840885			0-20	30-40CM	B	4	
JNL032 03+00E	8/8/2017		assay	GPS		544627	6840887			20-40	10-20CM	B	3	ROCKY

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL032 03+50E	8/8/2017		assay	map		544677	6840888			20-40	10-20CM	B	4	ROCKY
JNL032 04+00E	8/8/2017		assay	GPS		544726	6840890			20-40	20-30CM	B	3	LINE END
JNL033 00+00	8/8/2017		assay	GPS		544331	6840797			0-20	10-20CM	B	3	ROCKY
JNL033 00+50E	8/8/2017		assay	map		544381	6840798			0-20	10-20CM	B	3	ROCKY
JNL033 01+00E	8/8/2017		assay	map		544431	6840800			0-20	10-20CM	B	2	ORGANIC
JNL033 01+50E	8/8/2017		assay	map		544481	6840801			0-20	10-20CM	B	3	ROCKY
JNL033 02+00E	8/8/2017		assay	map		544531	6840803			0-20	20-30CM	B	3	ROCKY
JNL033 02+50E	8/8/2017		assay	map		544581	6840804			0-20	10-20CM	B	3	ROCKY
JNL033 03+00E	8/8/2017		assay	map		544631	6840805			0-20	10-20CM	B	1	ROCKY
JNL033 03+50E	8/8/2017		assay	map		544681	6840807			0-20	30-40CM	B	2	ORGANIC
JNL033 04+00E	8/8/2017		assay	map		544731	6840808			0-20	20-30CM	B	3	ORGANIC
JNL033 04+50E	8/8/2017		assay	map		544781	6840809			0-20	10-20CM	B	3	ORGANIC
JNL033 05+00E	8/8/2017		assay	GPS		544831	6840811			0-20	20-30CM	B	2	ROCKY
JNL033 05+50E	8/8/2017		assay	map		544881	6840812			0-20	20-30CM	B	2	ROCKY
JNL033 06+00E	8/8/2017		assay	map		544931	6840814			0-20	30-40CM	B	2	ROCKY
JNL033 06+50E	8/8/2017		assay	map		544981	6840815			0-20	20-30CM	B	3	ROCKY
JNL033 07+00E	8/8/2017		assay	map		545031	6840816			0-20	20-30CM	B	3	SWAMPY
JNL033 07+50E	8/8/2017		assay	map		545081	6840818			0-20	10-20CM	B	1	ORGANIC
JNL033 08+00E	8/8/2017		assay	map		545131	6840819			0-20	0-10CM	B	1	ORGANIC
JNL033 08+50E	8/8/2017		assay	map		545181	6840820			0-20	10-20CM	B	1	SWAMPY
JNL033 09+00E	8/8/2017		assay	map		545231	6840822			0-20	10-20CM	B	1	SWAMPY
JNL033 09+50E	8/8/2017		assay	map		545281	6840823			0-20	0-10CM	B	1	SWAMPY
JNL033 10+00E	8/8/2017		assay	GPS		545331	6840825			0-20	10-20CM	B	2	ORGANIC
JNL033 10+50E	8/8/2017		assay	map		545381	6840826			0-20	10-20CM	B	3	ROCKY
JNL033 11+00E	8/8/2017		assay	map		545431	6840827			0-20	10-20CM	B	3	ROCKY
JNL033 11+50E	8/8/2017		assay	map		545481	6840829			0-20	30-40CM	B	3	ORGANIC
JNL033 12+00E	8/8/2017		assay	no sample		545530	6840830			0-20	40-50CM	B		NO SAMPLE
JNL033 12+50E	8/8/2017		assay	map		545580	6840831			20-40	40-50CM	B	3	ORGANIC
JNL033 13+00E	8/8/2017		assay	map		545630	6840833			20-40	30-40CM	B	3	ORGANIC
JNL033 13+50E	8/8/2017		assay	map		545680	6840834			20-40	10-20CM	B	2	ORGANIC
JNL033 14+00E	8/8/2017		assay	map		545730	6840836			20-40	10-20CM	B	3	ORGANIC

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL033 14+50E	8/8/2017		assay	map		545780	6840837			0-20	10-20CM	B	1	ORGANIC
JNL033 15+00E	8/8/2017		assay	no sample		545830	6840838			20-40	0-10CM	B		NO SAMPLE
JNL033 15+50E	8/8/2017		assay	no sample		545880	6840840			20-40	10-20CM	B		NO SAMPLE
JNL033 16+00E	8/8/2017		assay	map		545930	6840841			20-40	10-20CM	B	3	ORGANIC
JNL033 16+50E	8/8/2017		assay	map		546130	6840847			40-60	40-50CM	B	4	ORGANIC
JNL033 17+00E	8/8/2017		assay	map		546080	6840845			40-60	10-20CM	B	5	
JNL033 17+50E	8/8/2017		assay	map		546030	6840844			40-60	10-50CM	B	4	ORGANIC
JNL033 18+00E	8/8/2017		assay	GPS		545980	6840842			40-60	0-10CM	B	1	ORGANIC
JNL034 00+00	8/8/2017		assay	GPS		544837	6840750			0-20	10-20CM	B	3	LINE START
JNL034 00+25W	8/8/2017		assay	map		544812	6840749			20-40	20-30CM	B	3	ROCKY
JNL034 00+50W	8/8/2017		assay	map		544787	6840748			0-20	40-50CM	B	4	
JNL034 00+75W	8/8/2017		assay	map		544762	6840747			0-20	20-30CM	B	3	
JNL034 01+00W	8/8/2017		assay	map		544737	6840746			0-20	10-20CM	B	3	
JNL034 01+25W	8/8/2017		assay	map		544712	6840745			0-20	10-20CM	B	3	TALUS
JNL034 01+50W	8/8/2017		assay	map		544687	6840744			0-20	10-20CM	B	3	
JNL034 01+75W	8/8/2017		assay	map		544662	6840743			0-20	10-20CM	B	3	
JNL034 02+00W	8/8/2017		assay	map		544637	6840742			0-20	10-20CM	B	2	ROCKY
JNL034 02+25W	8/8/2017		assay	map		544612	6840741			0-20	10-20CM	B	3	
JNL034 02+50W	8/8/2017		assay	GPS		544587	6840740			0-20	10-20CM	B	3	
JNL034 02+75W	8/8/2017		assay	map		544562	6840739			40-60	10-20CM	B	2	ORGANIC
JNL034 03+00W	8/8/2017		assay	map		544537	6840738			0-20	20-30CM	B	4	
JNL034 03+25W	8/8/2017		assay	map		544512	6840737			0-20	20-30CM	B	3	
JNL034 03+50W	8/8/2017		assay	map		544487	6840736			0-20	10-20CM	B	2	ORGANIC
JNL034 03+75W	8/8/2017		assay	map		544462	6840735			0-20	10-20CM	B	3	
JNL034 04+00W	8/8/2017		assay	map		544437	6840734			20-40	10-20CM	B	3	
JNL034 04+25W	8/8/2017		assay	map		544412	6840733			20-40	10-20CM	B	4	ROCKY
JNL034 04+50W	8/8/2017		assay	map		544387	6840732			20-40	10-20CM	B	3	
JNL034 04+75W	8/8/2017		assay	map		544362	6840731			20-40	10-20CM	B	3	TALUS
JNL034 05+00W	8/8/2017		assay	GPS		544337	6840730			20-40	10-20CM	B	3	LINE END
JNL035 00+00	8/8/2017		assay	GPS		544338	6840673			0-20	30-40CM	B	3	LINE START
JNL035 00+25E	8/8/2017		assay	map		544363	6840674			0-20	30-40CM	B	3	ROCKY

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JNL035 00+50E	8/8/2017		assay	map		544388	6840675			0-20	30-40CM	B	3	ROCKY
JNL035 00+75E	8/8/2017		assay	map		544413	6840675			0-20	30-40CM	B	3	ROCKY
JNL035 01+00E	8/8/2017		assay	map		544438	6840676			0-20	30-40CM	B	3	ROCKY
JNL035 01+25E	8/8/2017		assay	map		544463	6840677			0-20	30-40CM	B	3	ROCKY
JNL035 01+50E	8/8/2017		assay	map		544488	6840678			0-20	40-50CM	B	3	ROCKY
JNL035 01+75E	8/8/2017		assay	map		544513	6840679			0-20	40-50CM	B	3	ROCKY
JNL035 02+00E	8/8/2017		assay	GPS		544538	6840680			0-20	40-50CM	B	3	ROCKY
JNL035 02+25E	8/8/2017		assay	map		544563	6840680			0-20	40-50CM	B	2	ROCKY
JNL035 02+50E	8/8/2017		assay	map		544588	6840681			0-20	40-50CM	B	3	ROCKY
JNL035 02+75E	8/8/2017		assay	map		544613	6840682			0-20	40-50CM	B	3	ROCKY
JNL035 03+00E	8/8/2017		assay	map		544638	6840683			0-20	40-50CM	B	3	ROCKY
JNL035 03+25E	8/8/2017		assay	map		544663	6840684			0-20	50-60CM	B	3	ROCKY
JNL035 03+50E	8/8/2017		assay	map		544688	6840684			0-20	60-70CM	B	2	ROCKY
JNL035 03+75E	8/8/2017		assay	map		544713	6840685			0-20	50-60CM	B	3	ROCKY
JNL035 04+00E	8/8/2017		assay	GPS		544738	6840686			0-20	50-60CM	B	3	LINE END
JNL036 00+00	8/8/2017		assay	GPS		544836	6840632			0-20	40-50CM	B	4	LINE START
JNL036 00+25W	8/8/2017		assay	map		544809	6840631			0-20	40-50CM	B	4	
JNL036 00+50W	8/8/2017		assay	map		544784	6840630			0-20	40-50CM	B	3	ROCKY
JNL036 00+75W	8/8/2017		assay	map		544759	6840629			0-20	30-40CM	B	3	ROCKY
JNL036 01+00W	8/8/2017		assay	map		544734	6840628			0-20	40-50CM	B	3	ROCKY
JNL036 01+25W	8/8/2017		assay	map		544709	6840628			0-20	40-50CM	B	3	ROCKY
JNL036 01+50W	8/8/2017		assay	map		544684	6840627			0-20	40-50CM	B	3	ROCKY
JNL036 01+75W	8/8/2017		assay	map		544659	6840626			0-20	40-50CM	B	3	ROCKY
JNL036 02+00W	8/8/2017		assay	map		544634	6840625			0-20	40-50CM	B	3	ROCKY
JNL036 02+25W	8/8/2017		assay	map		544609	6840625			0-20	50-60CM	B	2	ROCKY
JNL036 02+50W	8/8/2017		assay	GPS		544584	6840624			0-20	30-40CM	B	4	
JNL036 02+75W	8/8/2017		assay	map		544559	6840623			0-20	40-50CM	B	3	ROCKY
JNL036 03+00W	8/8/2017		assay	map		544534	6840622			0-20	40-50CM	B	3	ROCKY
JNL036 03+25W	8/8/2017		assay	map		544509	6840622			0-20	50-60CM	B	3	ROCKY
JNL036 03+50W	8/8/2017		assay	map		544484	6840621			0-20	50-60CM	B	3	ROCKY
JNL036 03+75W	8/8/2017		assay	map		544459	6840620			0-20	30-40CM	B	3	ROCKY

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL036 04+00W	8/8/2017		assay	map		544434	6840619			0-20	30-40CM	B	4	ROCKY
JNL036 04+25W	8/8/2017		assay	map		544409	6840619			0-20	40-50CM	B	3	ROCKY
JNL036 04+50W	8/8/2017		assay	map		544384	6840618			0-20	40-50CM	B	3	ROCKY
JNL036 04+75W	8/8/2017		assay	map		544359	6840617			0-20	30-40CM	B	4	
JNL036 05+00W	8/8/2017		assay	GPS		544340	6840618			0-20	40-50CM	B	3	END OF LINE
JNL037 00+00	8/8/2017		assay	GPS		544333	6840558			0-20	40-50CM	B	3	LINE START
JNL037 00+50E	8/8/2017		assay	map		544383	6840560			0-20	50-60CM	B	3	ROCKY
JNL037 01+00E	8/8/2017		assay	map		544433	6840562			0-20	40-50CM	B	3	ROCKY
JNL037 01+50E	8/8/2017		assay	map		544483	6840564			0-20	40-50CM	B	3	ROCKY
JNL037 02+00E	8/8/2017		assay	map		544532	6840566			0-20	40-50CM	B	3	ROCKY
JNL037 02+50E	8/8/2017		assay	map		544582	6840568			0-20	50-60CM	B	3	ROCKY
JNL037 03+00E	8/8/2017		assay	map		544632	6840569			0-20	50-60CM	B	3	ROCKY
JNL037 03+50E	8/8/2017		assay	map		544682	6840571			0-20	50-60CM	B	3	ROCKY
JNL037 04+00E	8/8/2017		assay	map		544732	6840573			0-20	40-50CM	B	3	ROCKY
JNL037 04+50E	8/8/2017		assay	map		544782	6840575			0-20	40-50CM	B	3	ROCKY
JNL037 05+00E	8/8/2017		assay	map		544832	6840577			0-20	50-60CM	B	3	ROCKY
JNL037 05+50E	8/8/2017		assay	map		544882	6840579			0-20	50-60CM	B	3	ROCKY
JNL037 06+00E	8/8/2017		assay	GPS		544932	6840581			0-20	50-60CM	B	3	ROCKY
JNL037 06+50E	8/8/2017		assay	map		544982	6840583			0-20	40-50CM	B	4	ROCKY
JNL037 07+00E	8/8/2017		assay	map		545032	6840585			0-20	50-60CM	B	3	ROCKY
JNL037 07+50E	8/8/2017		assay	map		545082	6840587			0-20	50-60CM	B	3	ROCKY
JNL037 08+00E	8/8/2017		assay	map		545132	6840589			0-20	40-50CM	B	3	ROCKY
JNL037 08+50E	8/8/2017		assay	map		545182	6840591			0-20	50-60CM	B	3	ROCKY
JNL037 09+00E	8/8/2017		assay	map		545232	6840593			20-40	50-60CM	B	4	ROCKY
JNL037 09+50E	8/8/2017		assay	map		545282	6840594			0-20	50-60CM	B	3	ROCKY
JNL037 10+00E	8/8/2017		assay	GPS		545332	6840596			0-20	40-50CM	B	3	ROCKY
JNL037 10+50E	8/8/2017		assay	map		545382	6840598			0-20	30-40CM	B	4	
JNL037 11+00E	8/8/2017		assay	GPS		545432	6840600			0-20	30-40CM	B	3	END OF LINE
JNL038 00+00	8/8/2017		assay	GPS		544325	6840467			20-40	10-20CM	B	4	LINE START
JNL038 00+50E	8/8/2017		assay	map		544375	6840469			20-40	0-10CM	B	3	ROCKY
JNL038 01+00E	8/8/2017		assay	map		544425	6840471			40-60	10-20CM	B	3	ROCKY

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL038 01+50E	8/8/2017		assay	map		544475	6840473			40-60	10-20CM	B	3	ROCKY
JNL038 02+00E	8/8/2017		assay	map		544525	6840475			20-40	10-20CM	B	2	ROCKY
JNL038 02+50E	8/8/2017		assay	map		544575	6840476			20-40	0-10CM	B	2	ROCKY
JNL038 03+00E	8/8/2017		assay	map		544625	6840478			20-40	0-10CM	B	3	ROCKY
JNL038 03+50E	8/8/2017		assay	map		544675	6840480			20-40	10-20CM	B	3	ROCKY
JNL038 04+00E	8/8/2017		assay	GPS		544725	6840482			0-20	10-20CM	B	3	ROCKY
JNL038 04+50E	8/8/2017		assay	map		544775	6840484			0-20	20-30CM	B	2	ROCKY
JNL038 05+00E	8/8/2017		assay	map		544825	6840486			0-20	10-20CM	B	3	
JNL038 05+50E	8/8/2017		assay	map		544875	6840488			0-20	30-40CM	B	2	ORGANIC
JNL038 06+00E	8/8/2017		assay	map		544925	6840490			0-20	30-40CM	B	3	
JNL038 06+50E	8/8/2017		assay	map		544975	6840492			0-20	40-50CM	B	3	
JNL038 07+00E	8/8/2017		assay	map		545025	6840493			0-20	30-40CM	B	3	ROCKY
JNL038 07+50E	8/8/2017		assay	map		545075	6840495			0-20	40-50CM	B	3	CLAY
JNL038 08+00E	8/8/2017		assay	GPS		545125	6840497			0-20	30-40CM	B	3	LINE END
JNL039 00+00	8/9/2017		assay	GPS		544341	6840361			20-40	10-20CM	B	2	LINE START
JNL039 00+50E	8/9/2017		assay	map		544391	6840363			20-40	0-10CM	B	2	ROCKY
JNL039 01+00E	8/9/2017		assay	map		544441	6840365			20-40	0-10CM	B	4	ROCKY
JNL039 01+50E	8/9/2017		assay	map		544491	6840367			20-40	0-10CM	B	3	ROCKY
JNL039 02+00E	8/9/2017		assay	map		544541	6840369			20-40	10-20CM	B	2	ROCKY
JNL039 02+50E	8/9/2017		assay	map		544591	6840371			0-20	10-20CM	B	3	ROCKY
JNL039 03+00E	8/9/2017		assay	map		544641	6840372			20-40	10-20CM	B	3	ROCKY
JNL039 03+50E	8/9/2017		assay	map		544691	6840374			40-60	10-20CM	B	4	
JNL039 04+00E	8/9/2017		assay	map		544741	6840376			20-40	20-30CM	B	3	
JNL039 04+50E	8/9/2017		assay	GPS		544791	6840378			20-40	10-20CM	B	3	
JNL039 05+00E	8/9/2017		assay	map		544841	6840380			0-20	10-20CM	B	4	
JNL039 05+50E	8/9/2017		assay	map		544891	6840382			0-20	20-30CM	B	3	
JNL039 06+00E	8/9/2017		assay	map		544941	6840384			0-20	70-80CM	B	2	ORGANIC
JNL039 06+50E	8/9/2017		assay	map		544991	6840386			0-20	50-60CM	B	2	ORGANIC
JNL039 07+00E	8/9/2017		assay	map		545041	6840388			0-20	30-40CM	B	3	
JNL039 07+50E	8/9/2017		assay	map		545091	6840390			0-20	20-30CM	B	3	
JNL039 08+00E	8/9/2017		assay	map		545141	6840392			0-20	10-20CM	B	4	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL039 08+50E	8/9/2017		assay	map		545191	6840394			0-20	20-30CM	B	2	CLAY
JNL039 09+00E	8/9/2017		assay	GPS		545241	6840396			20-40	20-30CM	B	4	
JNL039 09+50E	8/9/2017		assay	map		545291	6840397			0-20	10-20CM	B	3	
JNL039 10+00E	8/9/2017		assay	map		545341	6840399			0-20	10-20CM	B	5	
JNL039 10+50E	8/9/2017		assay	map		545391	6840401			0-20	20-30CM	B	3	
JNL039 11+00E	8/9/2017		assay	map		545441	6840403			0-20	10-20CM	B	4	
JNL039 11+50E	8/9/2017		assay	map		545490	6840405			0-20	20-30CM	B	3	
JNL039 12+00E	8/9/2017		assay	map		545540	6840407			0-20	10-20CM	B	3	
JNL039 12+50E	8/9/2017		assay	map		545590	6840409			0-20	30-40CM	B	4	
JNL039 13+00E	8/9/2017		assay	GPS		545640	6840411			0-20	10-20CM	B	3	LINE END
JNL040 00+00	8/9/2017		assay	GPS		544663	6840165			0-20	10-20CM	B	3	ROCKY
JNL040 00+50E	8/9/2017		assay	map		544713	6840167			0-20	10-20CM	B	3	ROCKY
JNL040 01+00E	8/9/2017		assay	map		544763	6840169			0-20	10-20CM	B	3	TALUS FINES
JNL040 01+50E	8/9/2017		assay	map		544813	6840171			20-40	10-20CM	B	2	CLAY
JNL040 02+00E	8/9/2017		assay	map		544863	6840173			20-40	10-20CM	B	3	CLAY
JNL040 02+50E	8/9/2017		assay	map		544913	6840175			20-40	20-30CM	B	3	CLAY
JNL040 03+00E	8/9/2017		assay	map		544963	6840177			20-40	10-20CM	B	3	ROCKY
JNL040 03+50E	8/9/2017		assay	map		545013	6840179			0-20	10-20CM	B	3	CROSSED CREEK
JNL040 04+00E	8/9/2017		assay	GPS		545063	6840181			0-20	10-20CM	B	3	ROCKY
JNL040 04+50E	8/9/2017		assay	map		545113	6840182			0-20	10-20CM	B	3	ROCKY
JNL040 05+00E	8/9/2017		assay	map		545163	6840184			0-20	10-20CM	B	3	ROCKY
JNL040 05+50E	8/9/2017		assay	map		545213	6840186			0-20	10-20CM	B	3	ROCKY
JNL040 06+00E	8/9/2017		assay	map		545263	6840188			0-20	10-20CM	B	2	ROCKY
JNL040 06+50E	8/9/2017		assay	no sample		545313	6840190			20-40	N/A	N/A		NO SAMPLE
JNL040 07+00E	8/9/2017		assay	map		545363	6840192			20-40	10-20CM	B	2	TALUS FINES
JNL040 07+50E	8/9/2017		assay	map		545413	6840194			0-20	10-20CM	B	1	ROCKY
JNL040 08+00E	8/9/2017		assay	GPS		545462	6840196			0-20	20-30CM	B	1	SANDY
JNL040 08+50E	8/9/2017		assay	map		545512	6840198			0-20	20-30CM	B	4	ROCKY
JNL040 09+00E	8/9/2017		assay	map		545562	6840200			0-20	20-30CM	B	3	ROCKY
JNL040 09+50E	8/9/2017		assay	map		545612	6840202			0-20	20-30CM	B	2	SANDY
JNL040 10+00E	8/9/2017		assay	map		545662	6840204			0-20	20-30CM	B	3	SANDY

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL040 10+50E	8/9/2017		assay	map		545712	6840206			0-20	40-50CM	B	2	ROCKY
JNL040 11+00E	8/9/2017		assay	GPS		545762	6840207			0-20	20-30CM	B	3	SANDY
JNL041 00+00	8/9/2017		assay	GPS		544676	6839948			0-20	30-40CM	B	3	LINE START
JNL041 00+50E	8/9/2017		assay	map		544726	6839950			0-20	30-40CM	B	3	ROCKY
JNL041 01+00E	8/9/2017		assay	map		544776	6839952			0-20	30-40CM	B	3	ROCKY
JNL041 01+50E	8/9/2017		assay	map		544826	6839954			0-20	40-50CM	B	3	ROCKY
JNL041 02+00E	8/9/2017		assay	map		544876	6839956			0-20	30-40CM	B	4	
JNL041 02+50E	8/9/2017		assay	map		544926	6839958			0-20	30-40CM	B	3	ROCKY
JNL041 03+00E	8/9/2017		assay	map		544976	6839960			0-20	30-40CM	B	4	
JNL041 03+50E	8/9/2017		assay	map		545026	6839962			0-20	30-40CM	B	4	
JNL041 04+00E	8/9/2017		assay	map		545076	6839964			0-20	30-40CM	B	3	ROCKY
JNL041 04+50E	8/9/2017		assay	map		545126	6839966			0-20	30-40CM	B	4	
JNL041 05+00E	8/9/2017		assay	GPS		545176	6839968			0-20	30-40CM	B	3	ROCKY
JNL041 05+50E	8/9/2017		assay	map		545226	6839970			0-20	30-40CM	B	4	
JNL041 06+00E	8/9/2017		assay	map		545276	6839972			0-20	30-40CM	B	4	
JNL041 06+50E	8/9/2017		assay	map		545326	6839975			0-20	30-40CM	B	3	ROCKY
JNL041 07+00E	8/9/2017		assay	map		545375	6839977			0-20	30-40CM	B	4	
JNL041 07+50E	8/9/2017		assay	map		545425	6839979			0-20	30-40CM	B	4	
JNL041 08+00E	8/9/2017		assay	map		545475	6839981			0-20	30-40CM	B	4	
JNL041 08+50E	8/9/2017		assay	map		545525	6839983			0-20	30-40CM	B	4	
JNL041 09+00E	8/9/2017		assay	map		545575	6839985			0-20	30-40CM	B	4	
JNL041 09+50E	8/9/2017		assay	map		545625	6839987			0-20	30-40CM	B	3	ROCKY
JNL041 10+00E	8/9/2017		assay	GPS		545675	6839989			0-20	30-40CM	B	3	ROCKY
JNL041 10+50E	8/9/2017		assay	map		545725	6839991			0-20	40-50CM	B	3	ROCKY
JNL041 11+00E	8/9/2017		assay	map		545775	6839993			0-20	40-50CM	B	3	ROCKY
JNL041 11+50E	8/9/2017		assay	map		545825	6839995			0-20	40-50CM	B	3	ROCKY
JNL041 12+00E	8/9/2017		assay	map		545875	6839997			0-20	50-60CM	B	3	ROCKY
JNL041 12+50E	8/9/2017		assay	map		545925	6839999			0-20	50-60CM	B	3	ROCKY
JNL041 13+00E	8/9/2017		assay	map		545975	6840001			0-20	30-40CM	B	4	
JNL041 13+50E	8/9/2017		assay	map		546025	6840003			0-20	30-40CM	B	4	
JNL041 14+00E	8/9/2017		assay	map		546075	6840005			0-20	30-40CM	B	4	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
JNL041 14+50E	8/9/2017		assay	map		546125	6840007			0-20	30-40CM	B	3	ROCKY
JNL041 15+00E	8/9/2017		assay	GPS		546175	6840009			0-20	30-40CM	B	3	LINE END
JNL042 00+00	8/10/2017		assay	GPS		549331	6837304			40-60	40-50CM	B	4	
JNL042 00+50W	8/10/2017		assay	map		549281	6837307			20-40	30-40CM	B	4	
JNL042 01+00W	8/10/2017		assay	map		549231	6837310			0-20	20-30CM	B	3	ROCKY
JNL042 01+50W	8/10/2017		assay	map		549181	6837312			0-20	30-40CM	B	2	ORGANIC
JNL042 02+00W	8/10/2017		assay	map		549131	6837315			0-20	30-40CM	B	3	ORGANIC
JNL042 02+50W	8/10/2017		assay	GPS		549081	6837318			20-40	20-30CM	B	1	ORGANIC
JNL042 03+00W	8/10/2017		assay	map		549032	6837320			40-60	10-20CM	B	2	ORGANIC
JNL042 03+50W	8/10/2017		assay	map		548982	6837323			60+	40-50CM	B	1	ORGANIC
JNL042 04+00W	8/10/2017		assay	map		548932	6837326			40-60	0-10CM	B	2	TALUS FINES
JNL042 04+50W	8/10/2017		assay	map		548882	6837328			40-60	0-10CM	B	1	ORGANIC
JNL042 05+00W	8/10/2017		assay	GPS		548832	6837331			40-60	10-20CM	B	1	ORGANIC
JNL043 00+00	8/10/2017		assay	GPS		549388	6837035			40-60	30-40	B	2	LINE START
JNL043 00+50W	8/10/2017		assay	no sample		549338	6837037			N/A	N/A	N/A		NO SAMPLE
JNL043 01+00W	8/10/2017		assay	map		549288	6837040			40-60	30-40	B/C	2	MIX OF B/C
JNL043 01+50W	8/10/2017		assay	map		549238	6837043			40-60	30-40	B	2	ROCKY
JNL043 02+00W	8/10/2017		assay	map		549188	6837045			40-60	30-40	B	2	ROCKY
JNL043 02+50W	8/10/2017		assay	GPS		549138	6837048			40-60	30-40	B	3	ORGANIC
JNL043 03+00W	8/10/2017		assay	map		549088	6837051			20-40	30-40	B	3	ROCKY
JNL043 03+50W	8/10/2017		assay	map		549039	6837053			20-40	30-40	B	2	ROCKY
JNL043 04+00W	8/10/2017		assay	map		548989	6837056			20-40	30-40	B	3	ROCKY
JNL043 04+50W	8/10/2017		assay	map		548939	6837059			20-40	30-40	B	3	ROCKY
JNL043 05+00W	8/10/2017		assay	GPS		548889	6837062			0-20	30-40	B	3	LINE END
JNL044 00+00	8/10/2017		assay	no sample		549381	6836986			40-60	N/A	B	1	LINE START
JNL044 00+50W	8/10/2017		assay	map		549331	6836989			20-40	30-40CM	B	1	ORGANIC
JNL044 01+00W	8/10/2017		assay	map		549282	6836991			20-40	110-120CM	B	2	ORGANIC
JNL044 01+50W	8/10/2017		assay	map		549232	6836994			20-40	20-30CM	B	4	
JNL044 02+00W	8/10/2017		assay	map		549182	6836997			20-40	80-90CM	B	3	ORGANIC
JNL044 02+50W	8/10/2017		assay	GPS		549132	6836999			20-40	70-80CM	B	3	
JNL044 03+00W	8/10/2017		assay	map		549082	6837002			20-40	40-50CM	B	3	

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JNL044 03+50W	8/10/2017		assay	map		549032	6837005			20-40	30-40CM	B	4	
JNL044 04+00W	8/10/2017		assay	map		548982	6837008			20-40	30-40CM	B	3	
JNL044 04+50W	8/10/2017		assay	map		548932	6837010			0-20	40-50CM	B	2	ORGANIC
JNL044 05+00W	8/10/2017		assay	GPS		548882	6837013			20-40	30-40CM	B	3	LINE END
JNL045 00+00	8/10/2017		assay	GPS		548877	6836965			20-40	30-40	B	3	LINE START
JNL045 00+50E	8/10/2017		assay	map		548927	6836962			0-20	30-40	B	3	ROCKY
JNL045 01+00E	8/10/2017		assay	map		548977	6836960			0-20	30-40	B	3	ROCKY
JNL045 01+50E	8/10/2017		assay	map		549027	6836957			0-20	30-40	B	3	ROCKY
JNL045 02+00E	8/10/2017		assay	map		549077	6836954			0-20	40-50	B	3	ROCKY
JNL045 02+50E	8/10/2017		assay	GPS		549127	6836952			0-20	40-50	B	3	ROCKY
JNL045 03+00E	8/10/2017		assay	map		549177	6836949			0-20	40-50	B	4	
JNL045 03+50E	8/10/2017		assay	map		549227	6836946			0-20	40-50	B	3	ORGANIC
JNL045 04+00E	8/10/2017		assay	map		549277	6836944			0-20	50-60	B	3	ROCKY
JNL045 04+50E	8/10/2017		assay	no sample		549327	6836941			N/A	N/A	N/A		NO SAMPLE
JNL045 05+00E	8/10/2017		assay	no sample		549377	6836938			N/A	N/A	N/A		NO SAMPLE

Appendix 4
Silt Sample Location and Description Log

Sample Number	Sampler	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	UTM Zone	Accuracy	Depth	Size	Quality	Turbidity	Description
BRJNS001	BR	9/19/2017	silt	assay	GPS		544909	6840645	09N	4	10 - 20		4	slow	
BRJNS002	BR	9/21/2017	silt	assay	GPS		544561	6840631	09N	10	10 - 20		4	slow	Small low flowing creek

Appendix 4
Rock Sample Location and Description Log

Thursday, January 18, 2018

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
BRJNR001	9/18/2017	grab	assay	GPS		544753	6840695	3			quartz			fine-medium	Random grab sample of quartz vein material - subcrop. White-grey, vitreous and crystalline quartz vein material. Fe-carbonate nodules up to 3 cm are often corroded, remnant subhedral crystals observed. Trace pyrite, galena, arsenopyrite and chalcopyrite observed within the vein. Galena occurs as subhedral crystal masses which form wispy trails within the quartz. Pyrite and chalcopyrite are intergrown, where chalcopyrite is observed and occurs as blebby crystal masses. Arsenopyrite crystals are subhedral and rarely twinned crystals are observed.
BRJNR002	9/18/2017	grab	assay	GPS		544753	6840695	3			phyllite			fine	Phyllite. Light grey - green in color, soft, friable, poker chip type rubble in the bottom of the test pit.
BRJNR003	9/18/2017	grab	assay	GPS		544753	6840695	3			quartz			fine-medium	High grade sample of the vein material described above. The vein material can be deceiving as many time you break the rock and only see white quartz, hovever clots of mineralization are iregularly distributed through out the vein. Break lots of rocks in this area and make sure every piece is carefully inspected for mineralization.
BRJNR004	9/19/2017	panel	assay	GPS		544827	6840669	3			quartz	sandstone		fine-coarse	Panel sample 1.0 m x 1.0 m square. The sample was designed to capture the main vein which caps the top of the outcrop and a series of en echelon veinlets which were observed in the FW of the main vein structure. The en echelon veins are interpreted to be a strike extension of the veins sampled in JNTR17-001. Fine-medium grained crystals of arsenopyrite are observed in both vein sets. The host sandstone is pervasively sericite and silica altered. The iron staining is the result of carbonate leaching from the vein. Weathered surfaces are pitted, and weakly-strongly oxidixed.
BRJNR005	9/19/2017	panel	assay	GPS		544827	6840669	3			sandstone			fine-coarse	Panel sample 1.0 m x 1.0 m square. The sample was designed to capture a series of en echelon veinlets which were observed in the FW of the main vein structure. The en echelon veins are interpreted to be a strike extension of the veins sampled in JNTR17-001. The veins extend through the sandstone down to a contact with a phyllite where they are truncated. Fine-medium grained crystals of arsenopyrite are observed in both vein sets. The host sandstone is pervasively sericite and silica altered. The iron staining is the result of carbonate leaching from the vein. Weathered surfaces are pitted, and weakly-strongly oxidixed.
BRJNR006	9/19/2017	chip	assay	GPS	1443	544824	6840667	4	1.5	15	sandstone	vein		fine-coarse	Coarse gritty sandstone to pebble conglomerate containing up to 5 veins per meter, 1-3 cm wide. Iron carbonate is common through out the quartz veins. Vein orientation 110/76 - moderate quality. Extension of the vein swarm exposed in JNTR17-001. Trace pyrite and arsenopyrite observed within the veinlets.
BRJNR007	9/20/2017	grab	assay	GPS		544955	6839936	4			quartz				Quartz float in talus field, small amount of pyrite.
MMJNR115	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 38
MMJNR116	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 38
MMJNR117	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 10
MMJNR118	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 32
MMJNR119	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 36
MMJNR120	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 42
MMJNR121	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 24
MMJNR122	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	0.5	215	sandstone	phyllite	dark grey	fine-coarse	Incl 36

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMJNR123	9/17/2017	channel	assay	GPS	1439	544821	6840679	3	1	215	sandstone	phyllite	dark grey	fine-coarse	Incl 25
MMJNR124	9/18/2017	channel	assay	GPS	1440	544827	6840669	3	0.7	90	sandstone	phyllite	dark brown	coarse-fine	Incl 49
MMJNR125	9/18/2017	channel	assay	GPS	1440	544827	6840669	3	1.3	125	sandstone	phyllite	dark brown	coarse-fine	Incl 62
MMJNR126	9/18/2017	channel	assay	GPS	1440	544827	6840669	3	1	125	sandstone	phyllite	dark brown	coarse-fine	Incl 62
MMJNR127	9/18/2017	channel	assay	GPS	1439	544828	6840672	3	1.2	135	sandstone	vein	pale brown	medium-fine	Incl 45
MMJNR128	9/18/2017	channel	assay	GPS	1439	544828	6840672	3	0.9	130	sandstone	vein	pale brown	medium-fine	Incl 40
MMJNR129	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	195	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 40
MMJNR130	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	195	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 30
MMJNR131	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	195	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 30
MMJNR132	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	195	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 0
MMJNR133	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	185	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 10
MMJNR134	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1	200	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 0
MMJNR135	9/18/2017	channel	assay	GPS	1434	544869	6840662	3	1.1	200	sandstone	pebble conglomerate	pale brown	fine-coarse	Incl 0
MMJNR136	9/18/2017	grab	assay	GPS	1441	544848	6840668	3			vein	sandstone	greyish brown	medium-fine	Sampled to determine Au grade.
MMJNR137	9/19/2017	grab	assay	GPS	1455	545565	6840057	3			conglomerate	vein			
MMJNR138	9/19/2017	grab	assay	GPS	1453	546019	6839665	5			vein				
MMJNR139	9/20/2017	composite	assay	GPS	1444	544847	6840637	6			pebble conglomerate		greyish brown	coarse	Composite grab of quartz vein material.
MMJNR140	9/20/2017	grab	assay	GPS	1465	544565	6840905	7			pebble conglomerate		light grayish brown (reddish)	medium-fine	
MMJNR141	9/20/2017	grab	assay	GPS	1550	544175	6841038	3			sandstone		light grey	medium-fine	
MMJNR142	9/20/2017	chip	assay	GPS	1605	544037	6841015	11	0.6	315	phyllite	sandstone			
MMJNR143	9/20/2017	chip	assay	GPS	1452	544772	6840643	7	0.6	180	phyllite	vein	very pale green	fine	
MMJNR144	9/21/2017	grab	assay	GPS	1459	544784	6840634	5			vein		light grey	medium-fine	

Appendix 4
Till Sample Location and Description

Thursday, January 18, 2018

Sample Number	Date	Easting	Northing	Depth (cm)	Quality	Note
MMJNT001	9/21/2017	544753	6840695	0 - 30	4	Dirt/till sample collected for Au grain and heavy indicator mineral classification.

Appendix V

Analytic Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

CERTIFICATE WH17212350

Project: 1004241- TELOEX

P.O. No.: JN2017- 1

This report is for 45 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30- SEP- 2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
WSH- 21	"Wash" crushers
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 32m	Pulverize 500g - 85%<75um
BAG- 01	Bulk Master for Storage
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
Au- AA23	Au 30g FA- AA finish	AAS

To: TERRALOGIC EXPLORATION SERVICES INC.
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.02	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
MMJNR115		2.25	0.160	0.04	0.14	1005	0.14	<10	10	0.06	0.48	0.09	0.02	7.11	4.1	18
MMJNR116		2.29	0.124	0.04	0.15	428	0.08	<10	10	0.06	0.63	0.04	0.06	9.08	3.2	16
MMJNR117		2.61	0.019	0.01	0.22	113.5	0.02	<10	10	0.12	0.08	0.03	0.02	20.9	2.1	16
MMJNR118		4.42	0.013	0.01	0.35	138.5	0.02	<10	20	0.13	0.03	0.08	0.02	18.75	2.9	15
MMJNR119		3.36	0.052	0.02	0.14	410	0.03	<10	10	0.07	0.17	0.07	0.03	11.45	2.0	17
MMJNR120		4.53	0.007	0.06	0.21	458	<0.02	<10	10	0.12	0.16	0.05	0.03	15.25	4.4	17
MMJNR120S		0.09	1.170	29.1	0.34	28.3	1.08	<10	200	0.18	1.84	1.20	3.18	14.35	7.1	30
MMJNR121		4.58	0.016	0.04	0.45	451	0.04	<10	20	0.12	0.20	0.05	0.02	29.4	3.0	16
MMJNR121B		0.04	<0.005	0.05	0.81	0.9	<0.02	<10	160	0.12	0.22	0.32	0.06	17.60	3.5	10
MMJNR122		2.75	0.031	0.02	0.63	71.5	0.02	<10	40	0.19	0.12	0.04	0.03	40.7	4.7	11
MMJNR123		3.38	0.021	0.01	0.51	226	<0.02	<10	30	0.19	0.09	0.09	0.03	37.2	3.8	15
MMJNR124		1.70	0.083	0.03	1.23	76.6	0.05	<10	60	0.42	0.83	0.06	0.03	67.8	12.7	24
MMJNR125		4.25	0.005	0.10	0.29	977	<0.02	<10	10	0.09	0.24	0.01	<0.01	21.9	1.6	15
MMJNR125B		0.04	<0.005	0.04	0.82	1.4	0.03	<10	160	0.13	0.25	0.32	0.05	18.20	3.7	10
MMJNR126		3.43	0.022	0.07	0.47	1265	0.02	<10	10	0.10	0.40	0.02	0.01	17.05	4.6	18
MMJNR126S		0.09	1.010	11.65	1.73	15.3	0.87	<10	180	0.41	1.22	2.44	0.36	17.35	17.4	62
MMJNR127		3.69	0.005	0.13	0.29	59.3	<0.02	<10	10	0.10	0.30	0.01	0.01	27.3	0.9	13
MMJNR128		2.87	0.015	0.08	0.13	560	0.03	<10	10	0.06	0.51	0.02	0.01	15.90	2.6	16
MMJNR128B		0.04	<0.005	0.05	0.92	1.1	<0.02	<10	170	0.14	0.12	0.35	0.04	16.55	3.4	9
MMJNR129		2.33	0.126	0.02	0.42	234	0.08	<10	20	0.16	0.41	0.60	0.06	62.9	3.1	18
MMJNR129S		0.09	0.977	12.10	1.77	14.9	0.86	<10	180	0.42	1.23	2.49	0.35	17.70	18.0	63
MMJNR130		3.46	0.106	0.02	0.61	807	0.08	<10	20	0.13	0.22	0.15	0.02	26.4	3.6	16
MMJNR131		3.18	1.525	0.22	0.21	2550	1.68	<10	10	0.06	0.61	0.04	0.02	29.6	2.6	19
MMJNR131S		0.09	1.215	30.2	0.34	29.4	1.07	<10	180	0.16	1.77	1.18	3.08	14.10	7.0	29
MMJNR132		3.46	1.530	0.14	0.28	4580	1.32	<10	10	0.08	0.20	0.06	0.03	15.20	3.6	19
MMJNR133		4.56	4.77	0.40	0.12	>10000	4.15	<10	10	<0.05	0.54	0.14	0.03	9.31	8.7	19
MMJNR133B		0.04	0.005	0.05	0.82	18.4	<0.02	<10	160	0.12	0.23	0.33	0.07	18.35	3.6	11
MMJNR134		4.01	0.614	0.05	0.29	2420	0.62	<10	20	0.09	1.04	0.03	0.02	24.1	4.0	17
MMJNR135		3.16	0.018	0.01	0.36	213	0.02	<10	20	0.12	0.22	0.03	0.03	26.4	2.0	19
MMJNR136		2.54	0.058	0.02	0.06	1505	0.07	<10	<10	<0.05	0.54	0.03	0.02	10.60	4.0	16
MMJNR137		1.59	<0.005	0.34	0.19	7.1	<0.02	<10	30	0.07	0.71	0.01	0.02	15.00	1.9	15
MMJNR138		1.67	0.007	0.05	0.34	22.3	<0.02	<10	20	0.14	0.11	0.11	0.04	9.93	3.2	19
MMJNR139		2.37	<0.005	0.01	0.07	6.7	<0.02	<10	<10	<0.05	0.01	0.03	0.01	4.19	0.6	21
MMJNR140		2.08	0.028	0.46	0.22	7290	0.03	<10	10	0.09	7.25	0.02	0.04	92.6	37.7	10
MMJNR141		1.67	<0.005	0.02	0.51	10.9	<0.02	<10	40	0.12	0.06	1.91	0.03	39.7	2.6	11
MMJNR142		1.53	<0.005	0.02	0.66	14.0	<0.02	<10	40	0.22	0.06	0.44	0.01	36.4	3.7	12
MMJNR143		1.65	<0.005	0.01	0.09	7.0	<0.02	<10	<10	<0.05	0.01	0.16	0.06	2.26	0.7	17
MMJNR144		1.97	<0.005	0.02	0.11	23.1	<0.02	<10	10	<0.05	0.10	0.36	0.03	11.65	1.9	17
BRJNR001		3.88	0.005	0.02	0.04	44.1	<0.02	<10	<10	<0.05	0.04	0.01	0.01	2.43	0.8	18
BRJNR002		2.35	0.014	0.08	1.10	127.0	<0.02	<10	50	0.35	0.37	0.04	0.09	59.8	15.7	22

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

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44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
MMJNR115	0.29	15.5	1.22	0.60	0.10	0.04	<0.01	0.005	0.04	3.3	2.1	0.03	155	0.39	0.01
MMJNR116	0.29	18.2	1.22	0.65	0.09	0.04	<0.01	0.011	0.05	4.3	2.6	0.03	186	0.37	0.01
MMJNR117	0.43	10.4	1.27	0.92	0.11	0.06	0.01	0.008	0.08	10.0	2.7	0.03	193	0.38	0.03
MMJNR118	0.35	9.5	1.50	1.28	0.09	0.07	<0.01	0.008	0.07	9.7	6.9	0.07	318	0.28	0.02
MMJNR119	0.26	15.0	1.25	0.66	0.09	0.05	<0.01	0.006	0.04	5.3	2.2	0.03	201	0.42	0.02
MMJNR120	0.49	27.2	1.57	0.96	0.09	0.05	<0.01	0.013	0.07	7.1	3.2	0.05	128	0.34	0.03
MMJNR120S	1.18	3260	2.26	1.53	0.10	0.07	3.29	0.028	0.16	6.7	1.6	0.14	382	721	0.04
MMJNR121	0.52	20.2	1.60	1.83	0.11	0.09	<0.01	0.010	0.10	14.1	9.2	0.11	156	0.55	0.03
MMJNR121B	0.88	19.7	1.74	3.11	0.15	0.09	0.01	0.011	0.30	8.4	10.7	0.31	359	1.28	0.12
MMJNR122	0.70	7.7	1.32	2.35	0.12	0.12	<0.01	0.006	0.20	20.4	10.8	0.11	123	0.31	0.03
MMJNR123	0.52	7.3	1.31	2.06	0.11	0.11	<0.01	0.007	0.14	18.1	9.6	0.11	180	0.30	0.03
MMJNR124	1.51	53.1	4.12	4.27	0.15	0.06	<0.01	0.020	0.29	36.6	23.9	0.27	163	0.51	0.02
MMJNR125	0.69	27.2	1.99	1.41	0.10	0.05	<0.01	0.012	0.11	10.6	2.6	0.03	99	0.50	0.03
MMJNR125B	0.94	20.6	1.76	3.31	0.15	0.08	0.02	0.008	0.30	8.5	11.4	0.32	360	1.28	0.12
MMJNR126	1.83	30.8	2.08	2.16	0.10	0.07	<0.01	0.017	0.11	6.7	9.8	0.16	161	0.33	0.04
MMJNR126S	1.33	3470	3.33	6.23	0.16	0.27	2.27	0.027	0.48	8.9	22.7	1.42	667	172.5	0.12
MMJNR127	0.71	39.2	2.19	1.25	0.10	0.05	<0.01	0.018	0.12	13.3	2.2	0.02	102	0.55	0.04
MMJNR128	0.39	18.2	1.28	0.55	0.09	0.03	<0.01	0.009	0.06	7.9	0.9	0.01	97	0.43	0.02
MMJNR128B	1.03	21.4	1.78	3.39	0.14	0.08	0.02	0.012	0.31	7.5	9.5	0.30	464	1.14	0.16
MMJNR129	0.80	18.3	1.70	2.09	0.14	0.13	<0.01	0.016	0.08	30.1	8.2	0.11	263	0.31	0.04
MMJNR129S	1.36	3540	3.39	6.45	0.16	0.29	2.32	0.028	0.48	9.1	22.7	1.44	686	176.5	0.12
MMJNR130	0.61	10.5	1.91	2.40	0.11	0.06	0.01	0.008	0.10	12.4	16.1	0.19	222	0.51	0.03
MMJNR131	0.45	13.8	1.52	1.00	0.11	0.05	<0.01	0.008	0.06	13.7	3.2	0.04	143	0.45	0.03
MMJNR131S	1.18	3160	2.21	1.54	0.09	0.07	3.13	0.027	0.16	6.6	1.6	0.14	374	731	0.04
MMJNR132	0.34	9.3	1.72	1.16	0.09	0.03	0.01	0.007	0.04	6.6	6.3	0.11	239	0.82	0.02
MMJNR133	0.15	6.4	2.58	0.55	0.10	0.06	0.01	0.008	0.02	4.2	1.7	0.03	142	0.71	0.01
MMJNR133B	0.91	19.6	1.76	3.25	0.13	0.08	0.01	0.008	0.30	8.5	10.5	0.31	358	1.25	0.12
MMJNR134	0.94	8.1	1.40	1.47	0.10	0.05	0.01	0.011	0.09	10.8	2.8	0.04	129	0.43	0.02
MMJNR135	1.58	5.5	1.49	1.76	0.10	0.07	<0.01	0.010	0.10	10.6	3.8	0.08	209	0.25	0.04
MMJNR136	0.23	7.3	1.01	0.33	0.08	0.03	<0.01	0.007	0.03	5.0	1.1	0.01	115	0.36	0.01
MMJNR137	0.38	48.9	2.56	0.65	0.09	0.03	0.02	0.016	0.11	6.7	1.0	0.01	220	0.23	0.01
MMJNR138	0.51	19.9	2.02	1.29	0.09	0.08	<0.01	0.011	0.08	4.6	6.0	0.12	253	0.34	0.01
MMJNR139	0.15	3.9	0.94	0.30	0.08	<0.02	<0.01	<0.005	0.02	2.0	1.1	0.01	130	0.25	0.02
MMJNR140	0.42	324	12.85	1.25	0.20	0.04	0.02	0.015	0.08	42.3	2.3	0.02	78	0.29	0.01
MMJNR141	0.33	3.7	1.54	2.56	0.12	0.15	<0.01	0.011	0.16	18.1	9.0	0.17	343	0.26	0.04
MMJNR142	0.33	17.0	1.35	2.40	0.11	0.15	<0.01	0.006	0.15	17.1	14.9	0.20	125	0.25	0.02
MMJNR143	0.06	2.8	0.97	0.34	0.08	<0.02	<0.01	<0.005	0.01	1.1	2.4	0.04	200	0.26	0.01
MMJNR144	0.21	6.4	0.93	0.51	0.09	0.03	<0.01	0.006	0.03	5.2	1.5	0.02	266	0.36	0.02
BRJNR001	0.08	4.1	1.01	0.20	0.07	<0.02	<0.01	<0.005	0.01	1.1	0.5	<0.01	107	0.25	0.01
BRJNR002	0.68	51.5	2.79	3.56	0.14	0.09	<0.01	0.019	0.22	31.6	18.6	0.22	225	0.31	0.02

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
MMJNR115		<0.05	7.9	140	2.0	2.7	<0.001	0.08	0.78	0.4	<0.2	0.9	6.3	<0.01	0.08	1.6
MMJNR116		<0.05	5.4	100	2.3	2.9	<0.001	0.05	0.43	0.5	<0.2	0.7	4.3	<0.01	0.02	2.0
MMJNR117		<0.05	5.6	70	1.6	5.7	0.001	<0.01	0.39	0.8	<0.2	1.0	4.7	<0.01	0.01	5.0
MMJNR118		<0.05	8.2	70	2.1	3.9	<0.001	0.02	0.29	1.1	<0.2	0.5	4.7	<0.01	<0.01	6.6
MMJNR119		<0.05	4.7	70	1.6	2.6	<0.001	0.06	0.41	0.4	<0.2	0.8	4.5	<0.01	0.03	2.8
MMJNR120		<0.05	6.0	90	3.5	6.0	<0.001	0.16	0.44	0.5	<0.2	1.6	5.8	<0.01	0.02	4.5
MMJNR120S		0.07	17.3	420	84.2	4.6	0.196	1.05	70.4	0.8	0.6	1.9	280	<0.01	6.98	1.1
MMJNR121		<0.05	7.3	70	2.2	6.4	<0.001	0.08	0.63	0.8	<0.2	0.9	5.0	<0.01	0.02	8.5
MMJNR121B		0.34	2.7	230	6.4	15.8	<0.001	0.03	0.07	3.7	<0.2	0.7	27.6	<0.01	0.02	4.7
MMJNR122		<0.05	9.8	120	6.0	9.0	<0.001	0.07	0.47	0.9	<0.2	0.4	7.5	<0.01	0.01	9.4
MMJNR123		<0.05	9.2	290	3.2	6.9	<0.001	0.02	0.29	0.9	<0.2	0.5	8.5	0.01	0.01	8.1
MMJNR124		<0.05	36.6	610	6.0	18.2	<0.001	0.02	0.96	1.8	<0.2	0.8	12.5	<0.01	0.04	14.3
MMJNR125		<0.05	3.8	80	4.0	10.5	<0.001	0.08	0.51	0.8	<0.2	1.6	3.1	<0.01	0.03	6.3
MMJNR125B		0.35	3.0	230	6.4	16.7	<0.001	<0.01	0.06	3.9	<0.2	0.7	28.9	<0.01	0.01	5.0
MMJNR126		<0.05	5.0	70	3.4	13.1	<0.001	0.08	0.67	1.2	<0.2	1.7	3.4	<0.01	0.03	6.3
MMJNR126S		0.11	28.8	1070	40.5	22.5	0.194	0.76	21.6	7.4	1.0	0.8	101.5	<0.01	4.87	1.4
MMJNR127		<0.05	2.9	70	5.2	11.8	<0.001	0.05	0.35	0.7	<0.2	2.3	4.7	<0.01	0.02	6.3
MMJNR128		<0.05	3.9	110	3.8	5.4	<0.001	0.09	0.60	0.3	<0.2	1.4	4.1	<0.01	0.02	2.8
MMJNR128B		0.33	2.6	220	4.1	15.3	<0.001	0.01	0.06	4.2	<0.2	0.9	46.8	<0.01	0.01	4.9
MMJNR129		<0.05	11.0	610	1.6	6.3	<0.001	0.07	0.73	1.3	<0.2	1.7	24.4	<0.01	0.01	15.6
MMJNR129S		0.13	29.9	1100	40.7	23.0	0.192	0.77	22.0	7.6	0.8	0.7	104.5	<0.01	4.90	1.5
MMJNR130		<0.05	11.0	170	1.0	6.2	0.001	0.05	0.50	0.9	<0.2	0.7	7.4	<0.01	0.03	6.5
MMJNR131		<0.05	6.8	250	1.8	4.2	<0.001	0.12	1.45	0.5	0.2	0.9	7.0	<0.01	0.05	6.7
MMJNR131S		0.05	17.0	410	81.0	4.5	0.209	1.01	68.1	0.8	0.6	2.3	273	<0.01	6.94	0.9
MMJNR132		<0.05	10.7	290	3.2	2.8	<0.001	0.19	2.79	0.6	<0.2	0.7	5.7	<0.01	0.13	4.3
MMJNR133		<0.05	35.2	800	6.3	1.4	0.001	0.83	11.90	0.4	1.0	0.7	10.7	<0.01	0.46	2.2
MMJNR133B		0.36	2.8	230	6.1	16.8	<0.001	<0.01	0.07	3.7	<0.2	0.7	28.7	<0.01	0.02	4.6
MMJNR134		<0.05	10.4	150	1.7	6.3	<0.001	0.08	1.15	0.8	0.2	1.1	4.8	<0.01	0.09	7.1
MMJNR135		<0.05	6.4	70	1.8	9.1	<0.001	<0.01	0.29	1.4	<0.2	2.9	5.3	<0.01	0.01	7.6
MMJNR136		<0.05	5.6	50	1.2	2.2	<0.001	0.07	0.82	0.3	<0.2	0.7	3.3	<0.01	0.08	2.6
MMJNR137		<0.05	4.3	70	9.2	7.1	<0.001	0.35	1.31	0.8	<0.2	1.4	2.7	<0.01	0.01	4.7
MMJNR138		<0.05	6.4	230	5.1	4.5	<0.001	0.22	0.38	1.6	<0.2	0.7	5.3	<0.01	0.01	2.3
MMJNR139		<0.05	2.4	90	0.7	1.2	<0.001	<0.01	0.21	0.2	<0.2	<0.2	2.0	<0.01	<0.01	0.8
MMJNR140		<0.05	19.8	60	13.7	4.8	<0.001	9.79	3.43	0.9	1.0	3.5	2.4	<0.01	0.09	3.7
MMJNR141		<0.05	7.0	160	9.4	7.4	<0.001	0.05	0.13	1.7	<0.2	<0.2	88.9	<0.01	<0.01	12.7
MMJNR142		<0.05	9.2	110	3.4	6.8	<0.001	0.01	0.16	0.7	<0.2	0.4	27.7	<0.01	0.01	11.3
MMJNR143		<0.05	3.0	10	9.2	0.4	<0.001	<0.01	0.09	0.3	<0.2	<0.2	11.7	<0.01	<0.01	0.6
MMJNR144		<0.05	3.9	70	1.2	1.5	<0.001	0.01	0.29	0.4	<0.2	0.6	12.4	<0.01	0.01	1.7
BRJNR001		<0.05	2.4	50	3.4	0.5	<0.001	0.01	0.26	0.2	<0.2	<0.2	1.6	<0.01	0.02	0.4
BRJNR002		<0.05	35.2	220	13.3	10.0	<0.001	<0.01	1.08	1.6	<0.2	0.3	9.7	<0.01	0.03	14.0

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description / Method / Analyte / Units / LOR	ME- MS41 Ti % 0.005	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5
MMJNR115	<0.005	0.02	0.14	2	0.09	1.13	5	2.2
MMJNR116	<0.005	0.02	0.16	2	0.06	0.97	25	2.5
MMJNR117	<0.005	0.04	0.31	3	0.05	1.32	9	2.8
MMJNR118	<0.005	0.03	0.34	4	0.05	1.70	17	4.0
MMJNR119	<0.005	0.02	0.15	2	0.05	0.93	7	2.7
MMJNR120	<0.005	0.05	0.25	3	<0.05	1.16	9	2.7
MMJNR120S	0.008	0.06	1.54	15	5.47	3.67	93	1.6
MMJNR121	<0.005	0.05	0.42	6	<0.05	1.54	14	3.8
MMJNR121B	0.103	0.11	1.38	29	0.57	10.25	28	1.7
MMJNR122	<0.005	0.06	0.69	6	<0.05	1.86	18	5.5
MMJNR123	<0.005	0.05	0.57	6	0.05	2.27	19	5.2
MMJNR124	<0.005	0.14	0.73	16	0.06	2.98	59	4.2
MMJNR125	<0.005	0.08	0.32	6	0.05	1.31	8	2.4
MMJNR125B	0.103	0.12	1.31	30	0.61	10.75	28	1.7
MMJNR126	0.005	0.12	0.38	7	0.05	1.49	11	2.7
MMJNR126S	0.181	0.08	0.76	148	1.50	8.97	72	8.2
MMJNR127	<0.005	0.09	0.27	5	<0.05	1.58	9	2.0
MMJNR128	<0.005	0.04	0.16	2	0.05	0.98	5	1.5
MMJNR128B	0.102	0.13	1.31	26	0.47	9.99	30	1.5
MMJNR129	<0.005	0.07	0.77	6	0.08	5.13	20	4.8
MMJNR129S	0.186	0.09	0.78	151	1.50	9.33	73	8.4
MMJNR130	<0.005	0.05	0.39	8	0.05	1.87	22	2.9
MMJNR131	<0.005	0.04	0.32	2	0.08	1.70	5	2.5
MMJNR131S	0.007	0.06	1.30	15	5.66	3.61	91	1.6
MMJNR132	<0.005	0.02	0.22	3	0.07	1.42	10	1.9
MMJNR133	<0.005	0.02	0.15	2	0.12	2.31	4	2.6
MMJNR133B	0.105	0.12	1.32	29	0.60	10.85	28	1.7
MMJNR134	<0.005	0.06	0.31	6	0.05	1.33	10	2.5
MMJNR135	0.006	0.08	0.45	10	<0.05	2.04	15	3.2
MMJNR136	<0.005	0.02	0.13	1	<0.05	0.88	5	1.5
MMJNR137	<0.005	0.09	0.48	4	0.05	1.55	13	1.1
MMJNR138	<0.005	0.04	0.27	5	<0.05	2.49	14	2.8
MMJNR139	<0.005	<0.02	0.06	1	<0.05	0.50	4	0.6
MMJNR140	<0.005	0.25	0.44	4	0.18	3.65	5	1.3
MMJNR141	<0.005	0.06	0.51	8	<0.05	3.91	17	4.2
MMJNR142	<0.005	0.05	0.53	4	<0.05	2.47	14	5.1
MMJNR143	<0.005	<0.02	0.05	1	<0.05	0.58	11	1.1
MMJNR144	<0.005	0.02	0.10	1	<0.05	1.19	7	1.1
BRJNR001	<0.005	<0.02	0.06	1	<0.05	0.35	5	0.6
BRJNR002	<0.005	0.07	1.53	13	<0.05	2.48	82	4.0

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	WEI- 21	Au- AA23	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
BRJNR003		2.26	0.005	7.27	0.03	24.1	<0.02	<10	<10	<0.05	11.45	0.01	0.16	1.57	1.0	17
BRJNR004		7.17	0.014	0.06	0.20	1145	0.02	<10	10	0.07	0.24	0.02	0.02	12.00	1.8	21
BRJNR005		6.89	0.006	0.09	0.16	170.5	<0.02	<10	10	0.05	0.22	0.02	0.03	10.95	1.4	18
BRJNR006		5.95	0.012	0.03	0.21	570	<0.02	<10	10	0.08	0.16	0.01	0.01	20.6	1.8	15
BRJNR007		1.20	<0.005	0.02	0.08	3.7	<0.02	<10	<10	<0.05	0.02	0.05	0.04	0.72	1.5	16

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CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
BRJNR003		0.05	7.6	1.00	0.16	0.10	<0.02	<0.01	0.005	0.01	0.8	0.3	<0.01	96	0.25	0.01
BRJNR004		0.54	12.9	1.37	0.82	0.09	0.04	<0.01	0.010	0.04	5.1	3.8	0.07	184	0.24	0.02
BRJNR005		0.39	25.7	1.44	0.69	0.09	0.03	<0.01	0.012	0.04	5.1	2.0	0.04	144	0.29	0.02
BRJNR006		0.58	21.1	1.42	0.87	0.09	0.04	<0.01	0.010	0.10	10.2	1.1	0.02	83	0.32	0.03
BRJNR007		0.17	4.7	0.76	0.41	0.08	<0.02	<0.01	<0.005	0.01	0.4	1.7	0.03	104	0.30	0.01

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CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
BRJNR003		<0.05	3.0	30	3400	0.5	<0.001	0.16	1.69	0.1	7.5	<0.2	1.0	<0.01	0.07	0.4
BRJNR004		<0.05	3.9	40	10.3	4.3	<0.001	0.04	0.57	0.7	<0.2	0.4	2.5	<0.01	0.04	3.4
BRJNR005		<0.05	3.3	50	4.4	4.2	<0.001	0.02	0.29	0.6	<0.2	0.8	2.4	<0.01	0.01	3.0
BRJNR006		<0.05	3.1	70	1.7	10.3	<0.001	0.02	0.45	0.7	<0.2	1.3	4.2	<0.01	0.02	6.0
BRJNR007		<0.05	3.4	30	5.3	0.8	<0.001	<0.01	0.16	0.2	<0.2	0.5	4.2	<0.01	<0.01	0.2

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

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

To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
BRJNR003		<0.005	<0.02	0.06	1	<0.05	0.24	3	<0.5
BRJNR004		<0.005	0.04	0.21	2	<0.05	1.00	8	1.4
BRJNR005		<0.005	0.03	0.18	2	<0.05	0.91	8	1.3
BRJNR006		<0.005	0.08	0.36	4	<0.05	1.37	11	1.7
BRJNR007		<0.005	<0.02	<0.05	1	<0.05	0.44	8	<0.5

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

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To: TERRALOGIC EXPLORATION SERVICES INC.
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23- OCT- 2017
Account: TELOEX

Project: 1004241- TELOEX

CERTIFICATE OF ANALYSIS WH17212350

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

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

BAG- 01	CRU- 31	CRU- QC	LOG- 22
LOG- 23	PUL- 32m	PUL- QC	SPL- 21
WEI- 21	WSH- 21		

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

Au- AA23	ME- MS41

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 13-NOV-2017
Account: TELOEX

CERTIFICATE WH17232284

Project: 1004241-TELOEX

P.O. No.: JN2017-1

This report is for 27 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25-OCT-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SCR-21	Screen1kg to 106 to 106um
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: MIKE MCCUAIG
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 13-NOV-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17232284

Sample Description	Method Analyte Units LOR	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
MMJNR115		0.14	<0.05	0.15	<0.001	3.56	609.9	0.15	0.14
MMJNR116		0.14	<0.05	0.14	0.001	23.25	692.6	0.14	0.14
MMJNR117		<0.05	<0.05	<0.05	<0.001	57.91	965.7	0.03	0.02
MMJNR118		<0.05	<0.05	<0.05	<0.001	46.96	971.6	0.01	0.01
MMJNR119		0.06	<0.05	0.07	<0.001	35.32	981.7	0.07	0.06
MMJNR120		<0.05	<0.05	<0.05	<0.001	52.42	955.0	0.01	<0.01
MMJNR121		<0.05	<0.05	<0.05	<0.001	36.93	1072.5	0.01	0.01
MMJNR122		<0.05	<0.05	<0.05	<0.001	69.09	1016.0	0.02	0.02
MMJNR123		<0.05	<0.05	<0.05	<0.001	13.23	869.4	0.02	0.02
MMJNR124		0.08	<0.05	0.08	<0.001	0.39	50.5	0.08	0.08
MMJNR125		<0.05	<0.05	<0.05	<0.001	32.80	940.9	0.03	<0.01
MMJNR126		<0.05	<0.05	<0.05	<0.001	19.26	910.1	0.02	0.02
MMJNR127		<0.05	<0.05	<0.05	<0.001	57.26	1009.0	<0.01	<0.01
MMJNR128		<0.05	<0.05	<0.05	<0.001	23.49	961.4	0.01	0.04
MMJNR129		0.11	1.66	0.10	0.014	8.46	688.3	0.09	0.10
MMJNR130		0.11	0.10	0.11	0.003	29.14	885.5	0.10	0.12
MMJNR131		1.40	0.30	1.43	0.009	30.02	974.3	1.50	1.36
MMJNR132		1.48	0.46	1.51	0.016	35.08	1046.0	1.49	1.53
MMJNR133		4.56	1.53	4.71	0.077	50.24	1045.0	4.72	4.70
MMJNR134		0.58	0.24	0.60	0.013	54.57	1048.0	0.61	0.58
MMJNR135		<0.05	<0.05	<0.05	<0.001	46.79	1000.0	0.02	0.02
BRJNR001		<0.05	<0.05	<0.05	<0.001	40.43	974.7	<0.01	0.01
BRJNR002		<0.05	<0.05	<0.05	<0.001	22.58	665.2	0.01	0.01
BRJNR003		<0.05	<0.05	<0.05	<0.001	12.21	645.4	<0.01	<0.01
BRJNR004		<0.05	<0.05	<0.05	<0.001	35.80	1000.5	0.01	0.02
BRJNR005		<0.05	<0.05	<0.05	<0.001	24.89	941.5	<0.01	<0.01
BRJNR006		<0.05	<0.05	<0.05	<0.001	52.91	1029.0	<0.01	0.01

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

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 13-NOV-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17232284

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	FND-03	SPL-21		

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

Applies to Method:	Au-AA25	Au-AA25D	Au-SCR21	BAG-01
	PUL-32	PUL-QC	SCR-21	

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

QC CERTIFICATE WH17212350

Project: 1004241-TELOEX

P.O. No.: JN2017-1

This report is for 45 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-SEP-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
WSH-21	"Wash" crushers
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	Au-AA23	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
STANDARDS																
G912-1		7.42														
Target Range - Lower Bound		6.85														
Upper Bound		7.73														
JK-17		1.965														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
LEA-16		0.531														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MRGeo08			4.31	2.59	33.2	<0.02	<10	430	0.75	0.62	1.04	2.25	73.1	17.8	90	10.45
Target Range - Lower Bound			4.00	2.44	29.6	<0.02	<10	370	0.67	0.60	1.00	2.01	66.2	17.0	81	9.40
Upper Bound			4.92	3.00	36.4	0.04	20	530	0.95	0.76	1.24	2.47	81.0	21.0	102	11.60
OGGeo08			18.75	2.14	115.5	0.06	<10	80	0.73	10.25	0.85	19.40	60.2	91.1	79	8.82
Target Range - Lower Bound			18.15	2.05	107.0	0.03	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68
Upper Bound			22.2	2.53	131.0	0.11	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70
OREAS 503b		0.678														
Target Range - Lower Bound		0.648														
Upper Bound		0.742														
OREAS 905			0.49	0.77	33.1	0.37	<10	240	0.88	5.40	0.33	0.35	77.0	13.7	17	1.18
Target Range - Lower Bound			0.45	0.73	28.4	0.33	<10	200	0.78	5.16	0.29	0.30	72.0	12.4	15	1.14
Upper Bound			0.58	0.91	35.0	0.45	20	300	1.08	6.32	0.38	0.38	88.0	15.4	20	1.50
OREAS 920			0.08	2.31	4.8	<0.02	<10	80	0.66	0.72	0.31	0.08	73.2	13.9	41	1.87
Target Range - Lower Bound			0.07	2.18	3.8	<0.02	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84
Upper Bound			0.12	2.68	4.9	0.04	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Upper Bound			0.02	0.02	0.2	0.04	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10

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

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
G912-1																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		614	3.53	9.51	0.24	0.70	0.06	0.158	1.23	36.1	31.0	1.12	412	14.55	0.33	0.95
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.79
Upper Bound		675	3.96	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.09
OGGeo08		8260	4.98	8.10	0.24	0.78	0.45	1.425	1.02	29.2	30.3	0.93	381	868	0.29	1.05
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1565	3.44	6.11	0.19	1.15	0.02	0.563	0.30	38.2	4.5	0.15	365	3.04	0.09	0.29
Target Range - Lower Bound		1450	3.14	5.74	<0.05	1.08	<0.01	0.517	0.28	35.6	4.3	0.13	310	2.65	0.07	0.19
Upper Bound		1670	3.86	7.12	0.22	1.36	0.04	0.643	0.36	44.0	5.5	0.19	390	3.35	0.12	0.43
OREAS 920		114.5	3.57	6.64	0.18	0.55	<0.01	0.031	0.39	36.6	19.8	1.06	505	0.40	0.02	0.32
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.22	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	0.07	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	0.06	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS																
G912-1																
Target Range - Lower Bound																
Upper Bound																
JK-17																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		679	1000	1030	139.5	0.007	0.30	3.16	6.9	1.0	3.3	77.6	0.01	0.02	21.3	0.371
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.9	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		760	1130	1175	162.0	0.010	0.35	3.90	8.4	1.9	4.0	88.5	0.03	0.04	23.7	0.424
OGGeo08		8660	780	7030	115.5	1.360	2.69	19.75	6.1	10.3	12.8	60.9	<0.01	0.15	16.1	0.302
Target Range - Lower Bound		7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound		9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		8.8	240	15.5	17.5	<0.001	0.07	1.05	1.7	2.3	1.2	12.2	<0.01	0.06	7.9	0.019
Target Range - Lower Bound		7.8		15.2	17.3	<0.001	0.04	0.90	1.6	1.8	0.8	10.9	<0.01	0.04	7.8	0.008
Upper Bound		10.0		19.0	21.3	0.002	0.09	1.34	2.2	2.8	1.7	13.7	0.02	0.09	10.0	0.030
OREAS 920		38.0	710	19.5	23.3	<0.001	0.02	0.61	2.8	<0.2	1.0	16.9	0.01	0.02	15.6	0.117
Target Range - Lower Bound		34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound		42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.04	17.0	0.140
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010

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

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
STANDARDS								
G912-1								
Target Range - Lower Bound								
Upper Bound								
JK-17								
Target Range - Lower Bound								
Upper Bound								
LEA-16								
Target Range - Lower Bound								
Upper Bound								
MRGeo08		0.82	5.14	99	2.93	19.25	767	21.9
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7
OGGeo08		1.35	4.49	76	3.12	16.20	6820	22.6
Target Range - Lower Bound		1.14	4.45	70	2.58	15.35	6500	19.5
Upper Bound		1.58	5.55	88	3.60	18.85	7950	27.5
OREAS 503b								
Target Range - Lower Bound								
Upper Bound								
OREAS 905		0.11	2.09	6	0.58	6.78	64	43.4
Target Range - Lower Bound		0.06	2.08	4	0.44	6.32	58	39.9
Upper Bound		0.16	2.66	8	0.76	7.84	76	55.1
OREAS 920		0.15	1.98	24	0.49	17.30	102	20.4
Target Range - Lower Bound		0.07	1.89	23	0.31	16.85	93	17.6
Upper Bound		0.18	2.42	30	0.61	20.7	119	25.0
BLANKS								
BLANK								
BLANK								
Target Range - Lower Bound								
Upper Bound								
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0

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Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	Au-AA23	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
DUPLICATES																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.036														
DUP		0.035														
Target Range - Lower Bound		0.029														
Upper Bound		0.042														
MMJNR122		0.031	0.02	0.63	71.5	0.02	<10	40	0.19	0.12	0.04	0.03	40.7	4.7	11	0.70
DUP		0.022	0.02	0.62	72.8	<0.02	<10	40	0.19	0.13	0.04	0.03	41.3	4.6	11	0.70
Target Range - Lower Bound		0.020	<0.01	0.58	68.4	<0.02	<10	30	0.13	0.11	0.03	0.02	38.9	4.3	9	0.62
Upper Bound		0.033	0.03	0.67	75.9	0.04	20	50	0.25	0.14	0.05	0.04	43.1	5.0	13	0.79
MMJNR136		0.058														
DUP		0.053														
Target Range - Lower Bound		0.048														
Upper Bound		0.063														
BRJNR007		<0.005	0.02	0.08	3.7	<0.02	<10	<10	<0.05	0.02	0.05	0.04	0.72	1.5	16	0.17
DUP		<0.005	0.02	0.08	3.2	<0.02	<10	<10	<0.05	0.02	0.05	0.04	0.67	1.5	17	0.17
Target Range - Lower Bound		<0.005	<0.01	0.07	3.2	<0.02	<10	<10	<0.05	<0.01	0.04	0.03	0.64	1.3	15	0.11
Upper Bound		0.010	0.03	0.09	3.7	0.04	20	20	0.10	0.03	0.06	0.05	0.75	1.7	18	0.23

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Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
MMJNR122		7.7	1.32	2.35	0.12	0.12	<0.01	0.006	0.20	20.4	10.8	0.11	123	0.31	0.03	<0.05
DUP		7.7	1.30	2.28	0.12	0.11	<0.01	0.005	0.19	20.5	9.9	0.11	121	0.23	0.03	<0.05
Target Range - Lower Bound		7.2	1.23	2.15	0.06	0.09	<0.01	<0.005	0.18	19.2	9.7	0.09	111	0.21	0.02	<0.05
Upper Bound		8.2	1.39	2.48	0.18	0.14	0.02	0.010	0.21	21.7	11.0	0.13	133	0.33	0.04	0.10
MMJNR136																
DUP																
Target Range - Lower Bound																
Upper Bound																
BRJNR007		4.7	0.76	0.41	0.08	<0.02	<0.01	<0.005	0.01	0.4	1.7	0.03	104	0.30	0.01	<0.05
DUP		4.7	0.75	0.40	0.07	<0.02	<0.01	<0.005	0.01	0.4	1.6	0.03	104	0.30	0.01	<0.05
Target Range - Lower Bound		4.3	0.71	0.33	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	1.5	0.02	94	0.24	<0.01	<0.05
Upper Bound		5.1	0.80	0.48	0.10	0.04	0.02	0.010	0.02	0.6	1.8	0.04	114	0.37	0.02	0.10

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description / Method / Analyte / Units / LOR	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
MMJNR122	9.8	120	6.0	9.0	<0.001	0.07	0.47	0.9	<0.2	0.4	7.5	<0.01	0.01	9.4	<0.005
DUP	9.6	120	6.0	9.0	<0.001	0.06	0.45	0.8	<0.2	0.4	7.5	<0.01	0.01	9.2	<0.005
Target Range - Lower Bound	9.0	100	5.5	8.5	<0.001	0.05	0.38	0.7	<0.2	<0.2	6.9	<0.01	<0.01	8.6	<0.005
Upper Bound	10.4	140	6.5	9.6	0.002	0.08	0.54	1.0	0.4	0.6	8.1	0.02	0.02	10.0	0.010
MMJNR136															
DUP															
Target Range - Lower Bound															
Upper Bound															
BRJNR007	3.4	30	5.3	0.8	<0.001	<0.01	0.16	0.2	<0.2	0.5	4.2	<0.01	<0.01	0.2	<0.005
DUP	3.5	30	5.4	0.8	<0.001	<0.01	0.17	0.2	<0.2	0.5	4.2	<0.01	<0.01	0.2	<0.005
Target Range - Lower Bound	3.1	20	4.9	0.7	<0.001	<0.01	0.10	<0.1	<0.2	0.3	3.8	<0.01	<0.01	<0.2	<0.005
Upper Bound	3.8	40	5.8	0.9	0.002	0.02	0.23	0.3	0.4	0.7	4.6	0.02	0.02	0.4	0.010

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 23-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
DUPLICATES								
ORIGINAL								
DUP								
Target Range - Lower Bound								
Upper Bound								
ORIGINAL								
DUP								
Target Range - Lower Bound								
Upper Bound								
ORIGINAL								
DUP								
Target Range - Lower Bound								
Upper Bound								
MMJNR122		0.06	0.69	6	<0.05	1.86	18	5.5
DUP		0.07	0.73	6	0.05	1.86	18	5.4
Target Range - Lower Bound		0.04	0.62	5	<0.05	1.72	15	4.5
Upper Bound		0.09	0.80	7	0.10	2.00	21	6.4
MMJNR136								
DUP								
Target Range - Lower Bound								
Upper Bound								
BRJNR007		<0.02	<0.05	1	<0.05	0.44	8	<0.5
DUP		<0.02	<0.05	1	<0.05	0.43	8	<0.5
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	0.36	6	<0.5
Upper Bound		0.04	0.10	2	0.10	0.51	10	1.0

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Finalized Date: 23-OCT-2017
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Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17212350

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

LABORATORY ADDRESSES

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

BAG-01	CRU-31	CRU-QC	LOG-22
LOG-23	PUL-32m	PUL-QC	SPL-21
WEI-21	WSH-21		

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

Au-AA23	ME-MS41

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44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

CERTIFICATE WH17226187

Project: 1004241 - TELOEX

P.O. No.: JN2017-1 (JN17-003)

This report is for 6 Soil samples submitted to our lab in Whitehorse, YT, Canada on 30-SEP-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AROR43	Au AR Overrange - 25g	ICP-MS

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30-OCT-2017
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Project: 1004241 - TELOEX

CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
BRJND001		1.02	0.0174	0.20	1.80	558	<0.02	<10	30	0.58	1.07	0.14	0.46	61.9	28.9	28
BRJND002		0.79	0.0179	0.05	1.62	328	0.02	<10	30	0.42	1.16	0.10	0.18	41.8	14.7	26
BRJND003		0.61	0.0030	0.12	0.37	40.5	<0.02	<10	20	0.10	0.22	0.07	0.08	17.30	1.9	7
BRJND004		0.66	>0.1000	0.23	0.76	674	0.76	<10	10	0.21	0.69	0.03	0.11	46.1	11.0	17
BRJNS001		0.57	0.0275	0.54	1.56	260	0.02	<10	50	0.78	0.63	0.81	0.21	36.2	12.7	19
BRJNS002		0.51	0.0037	0.21	1.61	27.9	<0.02	<10	30	0.47	0.39	0.34	0.20	27.3	11.4	22

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Project: 1004241 - TELOEX

CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
BRJND001		1.31	56.8	5.44	5.61	0.09	0.04	0.19	0.077	0.03	32.5	59.7	0.72	574	0.67	<0.01
BRJND002		3.05	41.0	5.11	5.89	0.05	0.02	0.12	0.043	0.04	21.6	40.2	0.65	373	0.96	<0.01
BRJND003		2.60	8.0	0.76	2.33	<0.05	<0.02	0.09	0.007	0.03	9.5	3.8	0.07	54	0.72	<0.01
BRJND004		0.78	30.4	3.65	2.81	0.05	<0.02	0.06	0.023	0.02	23.6	16.9	0.21	390	0.80	<0.01
BRJNS001		5.81	45.3	3.62	3.94	0.10	0.10	0.10	0.035	0.05	65.1	31.7	0.41	500	0.58	<0.01
BRJNS002		1.55	28.3	3.23	4.58	0.05	0.08	0.05	0.034	0.03	15.2	52.0	0.58	287	0.44	<0.01

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CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
BRJND001		0.16	47.5	570	163.0	3.1	<0.001	<0.01	2.64	1.9	0.3	0.3	16.9	<0.01	0.07	11.8
BRJND002		0.37	35.4	460	43.8	8.1	<0.001	0.01	2.14	1.5	0.3	0.5	14.7	<0.01	0.08	5.1
BRJND003		0.28	6.1	490	6.8	4.6	<0.001	0.03	0.37	0.4	0.2	0.3	9.4	<0.01	0.02	0.5
BRJND004		0.13	25.9	430	67.6	2.9	<0.001	0.01	1.59	1.0	0.3	0.2	6.0	<0.01	0.05	5.9
BRJNS001		0.35	32.5	870	33.2	6.5	<0.001	0.08	1.97	2.2	0.9	0.4	78.6	<0.01	0.05	4.1
BRJNS002		0.11	29.0	550	34.2	4.2	<0.001	0.04	1.22	1.5	0.3	0.2	42.9	<0.01	0.02	5.9

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

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

To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AROR43
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
BRJND001		0.005	0.11	0.86	17	0.10	5.55	231	2.2	
BRJND002		0.008	0.12	0.79	22	0.12	4.04	105	0.6	
BRJND003		0.008	0.06	0.46	10	0.09	1.22	20	<0.5	
BRJND004		<0.005	0.04	0.90	12	0.06	2.49	67	<0.5	0.69
BRJNS001		0.006	0.08	5.99	15	0.12	29.3	94	2.8	
BRJNS002		<0.005	0.04	5.56	13	0.08	5.83	96	2.2	

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Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

CERTIFICATE OF ANALYSIS WH17226187

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

LABORATORY ADDRESSES

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

Applies to Method:			
	LOG-22	SCR-41	WEI-21

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

Applies to Method:			
	Au-AROR43	Au-ST43	ME-MS41

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

QC CERTIFICATE WH17226187

Project: 1004241 - TELOEX

P.O. No.: JN2017-1 (JN17-003)

This report is for 6 Soil samples submitted to our lab in Whitehorse, YT, Canada on 30-SEP-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AROR43	Au AR Overrange - 25g	ICP-MS

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

QC CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
STANDARDS																
GLG908-5		0.0531														
Target Range - Lower Bound		0.0442														
Upper Bound		0.0600														
OGGeo08			19.60	2.16	121.5	0.07	<10	70	0.74	10.50	0.85	19.90	62.0	98.0	80	9.41
Target Range - Lower Bound			18.15	2.05	107.0	0.03	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68
Upper Bound			22.2	2.53	131.0	0.11	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70
OREAS 920			0.10	2.37	4.6	<0.02	<10	80	0.73	0.60	0.31	0.07	74.1	14.0	42	1.86
Target Range - Lower Bound			0.07	2.18	3.8	<0.02	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84
Upper Bound			0.12	2.68	4.9	0.04	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36
OREAS-23a		0.0018														
Target Range - Lower Bound		0.0016														
Upper Bound		0.0024														
BLANKS																
BLANK		<0.0001														
Target Range - Lower Bound		<0.0001														
Upper Bound		0.0002														
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Upper Bound			0.02	0.02	0.2	0.04	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10
DUPLICATES																
ORIGINAL			1.85	0.47	144.0	0.39	<10	70	0.21	0.04	9.70	7.38	8.97	12.3	7	0.39
DUP			1.83	0.49	147.0	0.40	<10	70	0.20	0.03	9.83	7.54	9.29	12.5	6	0.42
Target Range - Lower Bound			1.74	0.45	138.0	0.36	<10	50	0.14	0.02	9.27	7.08	8.65	11.7	5	0.33
Upper Bound			1.94	0.51	153.0	0.43	20	90	0.27	0.05	10.25	7.84	9.61	13.1	8	0.48

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

QC CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
GLG908-5																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		8320	5.03	8.53	0.17	0.84	0.52	1.460	1.06	29.8	30.4	0.93	378	860	0.27	1.09
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 920		114.0	3.56	6.56	0.10	0.54	<0.01	0.031	0.40	36.7	21.1	1.05	495	0.35	0.01	0.32
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.22	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55
OREAS-23a																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
DUPLICATES																
ORIGINAL		10.8	0.94	1.49	<0.05	0.08	32.2	0.018	0.06	3.7	2.6	0.07	91	2.88	<0.01	<0.05
DUP		10.5	0.96	1.51	<0.05	0.08	32.6	0.019	0.06	3.7	2.8	0.08	94	2.91	<0.01	<0.05
Target Range - Lower Bound		10.1	0.89	1.38	<0.05	0.06	30.0	0.013	0.05	3.3	2.5	0.06	83	2.70	<0.01	<0.05
Upper Bound		11.2	1.01	1.63	0.10	0.10	34.8	0.024	0.07	4.1	2.9	0.09	102	3.09	0.02	0.10

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

QC CERTIFICATE OF ANALYSIS WH17226187

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS																
GLG908-5																
Target Range - Lower Bound																
Upper Bound																
OGGeo08		8750	780	7030	119.5	1.390	2.70	18.95	6.1	10.0	13.6	63.1	0.01	0.15	16.5	0.301
Target Range - Lower Bound		7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound		9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 920		37.8	700	21.1	22.6	<0.001	0.02	0.62	2.6	0.2	1.1	17.1	0.01	0.01	15.7	0.108
Target Range - Lower Bound		34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound		42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.04	17.0	0.140
OREAS-23a																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010
DUPLICATES																
ORIGINAL		16.8	220	490	2.7	<0.001	0.04	30.7	1.6	1.5	0.4	147.5	<0.01	0.09	0.8	<0.005
DUP		17.1	230	511	2.8	<0.001	0.04	31.0	1.6	1.7	0.4	152.0	<0.01	0.08	0.8	<0.005
Target Range - Lower Bound		15.9	200	475	2.5	<0.001	0.03	28.5	1.4	1.3	<0.2	142.0	<0.01	0.07	0.6	<0.005
Upper Bound		18.0	250	526	3.0	0.002	0.05	33.2	1.8	1.9	0.6	157.5	0.02	0.10	1.0	0.010

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

QC CERTIFICATE OF ANALYSIS WH17226187

Sample Description / Method / Analyte / Units / LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-AROR43 Au ppm 0.01
STANDARDS								
GLG908-5								0.05
Target Range - Lower Bound								
Upper Bound								
OGGeo08	1.43	4.52	77	3.28	16.65	6790	23.0	
Target Range - Lower Bound	1.14	4.45	70	2.58	15.35	6500	19.5	
Upper Bound	1.58	5.55	88	3.60	18.85	7950	27.5	
OREAS 920	0.15	1.94	24	0.49	16.95	102	19.4	
Target Range - Lower Bound	0.07	1.89	23	0.31	16.85	93	17.6	
Upper Bound	0.18	2.42	30	0.61	20.7	119	25.0	
OREAS-23a								<0.01
Target Range - Lower Bound								
Upper Bound								
BLANKS								
BLANK								<0.01
Target Range - Lower Bound								
Upper Bound								
BLANK	<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Target Range - Lower Bound	<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Upper Bound	0.04	0.10	2	0.10	0.10	4	1.0	
DUPLICATES								
ORIGINAL	3.06	1.43	26	0.62	3.95	145	2.5	
DUP	3.12	1.47	27	0.47	4.05	148	2.5	
Target Range - Lower Bound	2.84	1.33	24	0.45	3.75	137	1.8	
Upper Bound	3.34	1.57	29	0.64	4.25	156	3.2	

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-OCT-2017
Account: TELOEX

Project: 1004241 - TELOEX

QC CERTIFICATE OF ANALYSIS WH17226187

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

Applies to Method: ME-MS41

LABORATORY ADDRESSES

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

Applies to Method:			
	LOG-22	SCR-41	WEI-21

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

Applies to Method:			
	Au-AROR43	Au-ST43	ME-MS41

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

CERTIFICATE WH17195215

Project: 1004241-TELOEX

P.O. No.: JN2017-1

This report is for 233 Soil samples submitted to our lab in Whitehorse, YT, Canada on 12-SEP-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL032 00+00		0.54	0.0006	0.08	1.24	8.2	<0.02	<10	50	0.27	0.28	0.25	0.07	29.3	5.8	14
JNL032 00+50E		0.70	0.0016	0.17	1.24	15.8	<0.02	<10	20	0.44	0.31	0.35	0.09	32.5	8.2	16
JNL032 01+00E		0.52	0.0015	0.10	1.61	20.5	<0.02	<10	30	0.44	0.39	0.28	0.13	31.1	12.8	23
JNL032 01+50E		0.58	0.0016	0.30	1.61	16.5	<0.02	<10	40	0.52	0.40	0.65	0.10	22.7	10.1	22
JNL032 02+00E		0.64	0.0014	0.05	1.83	21.3	<0.02	<10	40	0.26	0.41	0.21	0.08	29.0	12.8	27
JNL032 02+50E		0.54	0.0027	0.13	1.77	48.1	<0.02	<10	70	0.67	0.70	0.02	0.10	31.3	12.2	21
JNL032 03+00E		0.73	0.0028	0.07	1.49	57.2	<0.02	<10	30	0.30	0.43	0.11	0.09	42.1	11.9	25
JNL032 03+50E		0.62	0.0044	0.07	1.09	128.5	<0.02	<10	30	0.31	0.62	0.03	0.10	36.9	10.7	21
JNL032 04+00E		0.62	0.0036	0.12	1.22	75.3	<0.02	<10	40	0.40	0.47	0.37	0.08	34.6	12.8	20
JNL034 00+00		0.55	0.0026	0.13	1.45	37.0	<0.02	<10	30	0.45	0.59	0.10	0.30	32.8	20.3	18
JNL034 00+25W		0.63	0.0029	0.15	1.35	41.3	<0.02	<10	20	0.46	0.58	0.09	0.25	38.8	21.7	18
JNL034 00+50W		0.56	0.0025	0.07	0.87	109.0	<0.02	<10	20	0.18	0.84	0.03	0.11	32.4	12.0	13
JNL034 00+75W		0.50	0.0017	0.06	1.60	50.9	<0.02	<10	30	0.22	0.48	0.13	0.13	29.1	9.0	23
JNL034 01+00W		0.59	0.0054	0.16	1.82	48.6	<0.02	<10	50	0.50	0.41	0.15	0.09	32.6	12.1	23
JNL034 01+25W		0.48	0.0037	0.15	1.37	36.0	<0.02	<10	30	0.42	0.35	0.10	0.10	18.50	7.6	15
JNL034 01+50W		0.47	0.0029	0.07	1.64	26.2	<0.02	<10	30	0.30	0.38	0.09	0.12	29.9	11.8	24
JNL034 01+75W		0.63	0.0045	0.09	1.44	43.7	<0.02	<10	30	0.44	0.39	0.18	0.08	43.1	13.9	24
JNL034 02+00W		0.98	0.0031	0.10	1.65	27.5	<0.02	<10	20	0.38	0.37	0.14	0.11	52.9	15.3	26
JNL034 02+25W		0.86	0.0030	0.20	1.23	29.2	<0.02	<10	40	0.47	0.42	0.21	0.14	46.0	15.2	21
JNL034 02+50W		0.60	0.0024	0.08	1.26	25.3	<0.02	<10	40	0.34	0.37	0.23	0.10	45.3	10.4	22
JNL034 02+75W		0.46	0.0006	0.19	0.93	16.5	<0.02	<10	20	0.12	0.37	0.01	0.03	21.3	5.3	15
JNL034 03+00W		0.60	0.0013	0.03	2.07	20.0	<0.02	<10	30	0.32	0.40	0.02	0.09	36.7	11.1	28
JNL034 03+25W		0.59	0.0004	0.11	1.58	24.2	<0.02	<10	20	0.13	0.48	0.01	0.07	22.4	6.1	24
JNL034 03+50W		0.48	0.0010	0.12	1.05	11.6	<0.02	<10	20	0.10	0.22	0.01	0.03	18.85	3.1	14
JNL034 03+75W		0.63	0.0014	0.17	1.23	19.3	<0.02	<10	20	0.16	0.27	0.01	0.04	25.1	5.2	17
JNL034 04+00W		0.58	0.0021	0.09	1.30	27.0	<0.02	<10	10	0.16	0.33	0.01	0.04	22.4	6.3	19
JNL034 04+25W		0.70	0.0021	0.06	1.79	30.8	<0.02	<10	20	0.31	0.39	0.01	0.07	31.7	12.7	25
JNL034 04+50W		0.66	0.0008	0.03	1.41	13.9	<0.02	<10	30	0.36	0.28	0.01	0.08	19.30	8.5	18
JNL034 04+75W		0.49	0.0007	0.08	1.40	16.3	<0.02	<10	50	0.25	0.34	0.07	0.23	21.6	8.5	20
JNL034 05+00W		0.50	0.0005	0.04	0.98	6.8	<0.02	<10	10	0.12	0.22	0.02	0.04	12.95	4.3	14
JNL035 00+00		0.44	0.0014	0.02	1.82	28.9	<0.02	<10	30	0.43	0.37	0.02	0.13	28.7	10.9	23
JNL035 00+25E		0.43	0.0009	0.09	1.37	15.8	<0.02	<10	20	0.28	0.34	0.01	0.07	27.4	7.7	18
JNL035 00+50E		0.39	0.0003	0.05	0.64	3.5	<0.02	<10	20	0.08	0.13	0.01	0.03	18.35	2.5	8
JNL035 00+75E		0.36	0.0008	0.13	0.84	12.0	<0.02	<10	30	0.17	0.32	0.01	0.04	24.8	5.4	12
JNL035 01+00E		0.42	0.0006	0.06	1.36	16.2	<0.02	<10	20	0.13	0.36	0.01	0.06	32.6	5.0	17
JNL035 01+25E		0.38	0.0007	0.07	1.18	12.1	<0.02	<10	20	0.18	0.37	0.02	0.04	29.7	5.4	16
JNL035 01+50E		0.42	0.0004	0.08	0.98	9.4	<0.02	<10	10	0.10	0.22	0.01	0.03	25.5	4.3	14
JNL035 01+75E		0.63	0.0023	0.13	1.95	17.2	<0.02	<10	20	0.58	0.43	0.16	0.06	50.5	19.9	27
JNL035 02+00E		0.41	0.0013	0.57	1.94	12.9	<0.02	<10	70	0.56	0.38	0.42	0.09	20.9	17.2	21
JNL035 02+25E		0.46	0.0013	0.12	1.89	10.6	<0.02	<10	40	0.32	0.30	0.36	0.06	22.3	8.0	26

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL032 00+00		0.73	16.3	2.73	4.97	<0.05	0.03	0.01	0.017	0.04	15.7	22.8	0.32	154	0.32	<0.01
JNL032 00+50E		0.74	23.3	2.83	3.62	0.05	0.11	0.02	0.025	0.03	17.2	32.4	0.44	259	0.40	<0.01
JNL032 01+00E		0.61	27.9	3.54	4.88	0.06	0.15	0.02	0.025	0.04	16.3	44.2	0.61	406	0.45	<0.01
JNL032 01+50E		0.79	30.5	3.22	4.67	<0.05	0.15	0.03	0.027	0.04	12.5	43.1	0.56	294	0.42	<0.01
JNL032 02+00E		0.71	21.4	3.70	6.07	<0.05	0.08	0.01	0.021	0.03	16.2	60.9	0.74	371	0.52	<0.01
JNL032 02+50E		3.39	55.6	3.43	5.50	<0.05	0.10	0.02	0.045	0.07	18.4	31.1	0.34	388	0.89	<0.01
JNL032 03+00E		0.69	26.3	3.56	4.83	0.06	0.03	0.01	0.021	0.04	23.2	44.9	0.58	338	0.54	<0.01
JNL032 03+50E		0.79	29.1	3.74	3.75	0.05	0.02	0.01	0.024	0.05	20.0	23.1	0.32	259	0.60	<0.01
JNL032 04+00E		0.79	28.0	3.10	4.04	<0.05	0.07	0.02	0.026	0.05	17.0	29.4	0.38	306	0.64	<0.01
JNL034 00+00		0.54	39.8	4.20	3.77	0.06	0.05	0.04	0.047	0.03	15.0	26.1	0.44	994	0.49	<0.01
JNL034 00+25W		0.46	42.5	3.93	3.85	0.06	0.05	0.03	0.046	0.03	18.0	27.2	0.45	1080	0.67	<0.01
JNL034 00+50W		0.80	19.6	3.93	6.11	<0.05	<0.02	0.02	0.036	0.02	15.9	13.9	0.26	763	0.88	<0.01
JNL034 00+75W		1.59	18.2	3.56	5.26	<0.05	0.07	0.02	0.025	0.04	16.3	40.7	0.56	277	0.67	<0.01
JNL034 01+00W		1.78	30.1	3.54	5.54	<0.05	0.07	0.01	0.028	0.04	19.0	49.4	0.61	326	0.52	<0.01
JNL034 01+25W		1.66	21.4	2.58	4.07	<0.05	0.04	0.02	0.023	0.03	10.9	30.1	0.38	200	0.46	0.01
JNL034 01+50W		1.05	20.2	3.60	5.19	0.05	0.08	0.01	0.026	0.03	16.0	48.3	0.60	423	0.60	<0.01
JNL034 01+75W		0.83	33.7	3.46	4.48	0.06	0.06	0.02	0.023	0.05	23.6	39.1	0.52	339	0.46	<0.01
JNL034 02+00W		0.70	35.2	3.69	5.28	0.07	0.05	0.01	0.025	0.03	28.8	52.8	0.68	363	0.43	<0.01
JNL034 02+25W		1.00	40.6	3.43	3.97	0.05	0.04	0.03	0.034	0.05	25.3	30.0	0.38	364	0.64	<0.01
JNL034 02+50W		1.13	39.0	3.32	4.61	0.05	0.02	0.02	0.030	0.06	25.4	26.5	0.35	206	0.58	<0.01
JNL034 02+75W		0.79	18.1	2.25	4.75	<0.05	0.02	0.04	0.014	0.03	12.1	21.6	0.28	139	0.41	<0.01
JNL034 03+00W		0.63	23.0	4.37	5.97	0.05	0.09	0.01	0.026	0.03	19.8	58.4	0.71	350	0.31	<0.01
JNL034 03+25W		0.86	18.8	4.19	7.38	<0.05	0.03	0.02	0.019	0.02	13.0	38.9	0.47	203	0.47	<0.01
JNL034 03+50W		0.89	11.9	1.97	4.77	<0.05	<0.02	0.02	0.011	0.02	10.3	22.3	0.24	102	0.64	<0.01
JNL034 03+75W		0.88	16.3	2.48	4.64	<0.05	0.04	0.02	0.014	0.02	14.1	33.4	0.36	153	0.39	<0.01
JNL034 04+00W		0.80	22.2	3.04	5.02	<0.05	0.04	0.02	0.017	0.02	13.0	39.0	0.42	198	0.42	<0.01
JNL034 04+25W		1.03	31.6	3.90	5.77	<0.05	0.05	0.01	0.023	0.02	18.4	60.6	0.61	411	0.48	<0.01
JNL034 04+50W		0.63	22.0	2.98	4.00	<0.05	0.08	0.01	0.022	0.02	10.1	41.6	0.45	268	0.33	<0.01
JNL034 04+75W		1.25	19.0	3.18	5.73	<0.05	0.03	0.02	0.026	0.03	11.8	36.0	0.42	362	0.74	<0.01
JNL034 05+00W		0.75	11.8	2.04	3.73	<0.05	0.02	0.02	0.012	0.02	7.0	26.8	0.29	140	0.35	<0.01
JNL035 00+00		1.08	27.2	3.59	5.00	<0.05	0.14	0.01	0.029	0.03	15.3	50.8	0.58	343	0.44	<0.01
JNL035 00+25E		0.68	22.0	3.24	4.93	<0.05	0.06	0.02	0.020	0.02	15.0	30.8	0.39	202	0.45	<0.01
JNL035 00+50E		0.86	6.9	1.12	3.12	<0.05	<0.02	0.02	0.007	0.03	9.5	11.7	0.15	94	0.40	<0.01
JNL035 00+75E		1.21	15.7	2.28	4.71	<0.05	<0.02	0.03	0.016	0.04	13.2	7.4	0.11	285	0.58	<0.01
JNL035 01+00E		1.39	17.5	2.78	5.94	<0.05	0.02	0.02	0.015	0.02	18.4	27.0	0.32	159	0.36	<0.01
JNL035 01+25E		0.99	15.5	2.34	5.07	<0.05	<0.02	0.02	0.014	0.03	15.9	26.3	0.32	229	0.49	<0.01
JNL035 01+50E		0.80	12.5	2.11	4.40	<0.05	0.03	0.02	0.010	0.02	14.2	23.9	0.29	116	0.29	<0.01
JNL035 01+75E		1.45	48.9	4.44	5.27	0.06	0.03	0.01	0.028	0.02	29.1	64.1	0.76	688	0.72	<0.01
JNL035 02+00E		1.33	26.1	3.34	5.03	<0.05	0.11	0.04	0.025	0.03	10.9	45.9	0.50	1860	1.26	<0.01
JNL035 02+25E		0.70	17.1	3.37	5.39	<0.05	0.10	0.01	0.018	0.02	12.3	67.2	0.70	253	0.53	<0.01

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL032 00+00		0.33	16.8	490	16.6	5.7	<0.001	0.02	0.73	0.8	<0.2	0.2	17.5	<0.01	0.02	2.3
JNL032 00+50E		0.08	24.5	500	30.7	3.2	<0.001	0.03	1.58	2.1	0.9	<0.2	29.0	<0.01	0.02	6.1
JNL032 01+00E		0.10	30.3	470	30.4	3.4	<0.001	0.02	1.27	2.0	0.6	<0.2	25.7	<0.01	0.03	6.2
JNL032 01+50E		0.13	28.1	650	28.5	4.1	<0.001	0.05	1.05	2.0	1.4	<0.2	50.5	<0.01	0.02	4.5
JNL032 02+00E		0.18	32.4	430	24.3	4.5	<0.001	0.01	1.00	1.4	0.2	0.2	21.0	<0.01	0.04	5.0
JNL032 02+50E		0.27	26.5	840	53.5	9.5	<0.001	0.03	1.77	1.4	0.4	0.7	14.3	<0.01	0.07	4.1
JNL032 03+00E		0.16	31.9	370	19.4	3.6	<0.001	0.01	1.28	1.6	0.3	0.2	15.7	<0.01	0.02	7.0
JNL032 03+50E		0.20	28.5	400	21.7	5.1	<0.001	0.01	1.43	1.5	0.3	0.4	9.3	<0.01	0.04	5.7
JNL032 04+00E		0.35	28.4	390	22.2	4.4	<0.001	0.02	1.19	1.8	0.4	0.3	33.6	<0.01	0.03	5.7
JNL034 00+00		0.14	28.7	750	69.2	4.1	<0.001	0.02	2.23	2.2	0.7	<0.2	9.1	<0.01	0.04	6.8
JNL034 00+25W		0.21	30.3	770	73.8	3.1	<0.001	0.02	2.31	2.2	0.5	<0.2	8.3	<0.01	0.03	7.5
JNL034 00+50W		0.55	17.1	550	57.1	4.3	<0.001	0.02	2.44	0.9	0.4	0.4	5.6	<0.01	0.05	2.4
JNL034 00+75W		0.16	25.4	490	26.6	4.9	<0.001	0.02	1.01	1.2	0.3	0.2	14.5	<0.01	0.04	5.0
JNL034 01+00W		0.13	30.5	460	32.5	6.3	<0.001	0.02	1.09	1.6	0.4	0.2	19.8	<0.01	0.04	6.7
JNL034 01+25W		0.25	18.4	410	31.5	4.6	<0.001	0.02	1.09	1.0	0.4	0.2	15.6	<0.01	0.02	3.2
JNL034 01+50W		0.13	28.7	470	34.1	4.5	<0.001	0.01	1.07	1.4	0.2	0.2	14.4	<0.01	0.04	5.8
JNL034 01+75W		0.19	32.5	350	25.1	3.5	<0.001	0.01	1.30	2.0	0.4	0.2	22.3	<0.01	0.03	9.2
JNL034 02+00W		0.10	37.9	400	28.5	2.5	<0.001	<0.01	1.29	1.9	0.3	0.2	19.2	<0.01	0.03	10.3
JNL034 02+25W		0.24	35.5	470	33.7	4.2	<0.001	0.02	2.07	2.1	0.7	0.3	36.9	<0.01	0.06	7.6
JNL034 02+50W		0.42	28.9	350	25.1	5.3	<0.001	0.01	1.92	1.8	0.4	0.4	30.0	<0.01	0.05	6.2
JNL034 02+75W		0.28	15.0	760	16.6	4.8	<0.001	0.03	0.86	0.4	0.2	0.2	3.9	<0.01	0.03	0.6
JNL034 03+00W		0.16	31.4	380	32.9	4.9	<0.001	0.01	0.99	1.4	0.2	<0.2	5.2	<0.01	0.04	6.6
JNL034 03+25W		0.60	21.4	620	16.6	3.2	<0.001	0.03	0.94	0.8	0.5	0.2	5.6	<0.01	0.05	1.8
JNL034 03+50W		0.19	13.0	660	13.7	4.2	<0.001	0.03	0.50	0.2	0.3	0.3	3.3	<0.01	0.03	0.2
JNL034 03+75W		0.15	17.6	570	16.0	3.9	<0.001	0.02	0.79	0.6	0.3	0.2	2.7	<0.01	0.04	2.5
JNL034 04+00W		0.12	20.2	600	18.3	3.2	<0.001	0.02	1.10	0.6	0.2	<0.2	3.0	<0.01	0.04	2.0
JNL034 04+25W		0.09	29.2	500	27.1	3.3	<0.001	0.02	1.44	1.1	0.3	<0.2	3.1	<0.01	0.04	4.6
JNL034 04+50W		0.12	22.3	620	25.1	3.3	<0.001	0.02	0.82	0.8	<0.2	<0.2	4.3	<0.01	0.03	2.4
JNL034 04+75W		0.42	21.1	770	20.5	6.1	<0.001	0.04	0.98	0.6	0.2	0.3	11.0	<0.01	0.04	1.1
JNL034 05+00W		0.18	13.5	530	12.3	2.7	<0.001	0.02	0.35	0.3	<0.2	0.2	3.1	<0.01	0.02	0.5
JNL035 00+00		0.17	29.0	580	42.0	4.4	<0.001	0.02	1.13	1.3	0.3	0.2	5.1	<0.01	0.03	4.6
JNL035 00+25E		0.12	22.0	830	26.6	4.2	<0.001	0.02	1.14	0.8	0.2	0.2	4.2	<0.01	0.02	2.9
JNL035 00+50E		0.07	7.9	640	8.6	4.7	<0.001	0.02	0.27	0.2	0.2	0.2	3.4	<0.01	0.02	0.3
JNL035 00+75E		0.14	9.9	1220	22.8	6.9	<0.001	0.05	0.86	0.1	0.2	0.3	3.6	<0.01	0.03	<0.2
JNL035 01+00E		0.30	15.1	540	16.6	5.4	<0.001	0.02	1.00	0.6	0.3	0.3	3.3	<0.01	0.04	2.0
JNL035 01+25E		0.30	15.9	550	26.6	4.5	<0.001	0.02	0.62	0.4	0.2	0.4	4.3	<0.01	0.03	0.8
JNL035 01+50E		0.11	14.6	460	10.3	4.3	<0.001	0.02	0.60	0.5	<0.2	<0.2	3.1	<0.01	0.02	2.2
JNL035 01+75E		<0.05	42.2	480	30.4	2.6	<0.001	0.01	1.40	2.1	0.4	<0.2	16.5	<0.01	0.03	8.4
JNL035 02+00E		0.15	24.6	1320	33.0	5.0	<0.001	0.07	0.85	1.0	0.5	0.2	36.1	<0.01	0.03	2.5
JNL035 02+25E		0.09	30.7	440	16.2	3.3	<0.001	0.03	0.46	1.2	0.2	<0.2	33.8	<0.01	0.02	4.6

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL032 00+00		0.005	0.05	0.48	14	<0.05	2.28	58	0.9
JNL032 00+50E		<0.005	0.03	2.53	8	<0.05	10.15	82	3.6
JNL032 01+00E		<0.005	0.03	2.72	12	<0.05	7.71	96	4.7
JNL032 01+50E		<0.005	0.03	3.59	11	<0.05	9.78	86	4.6
JNL032 02+00E		<0.005	0.03	0.95	17	<0.05	2.66	91	2.4
JNL032 02+50E		<0.005	0.12	1.51	18	0.16	4.49	82	3.0
JNL032 03+00E		<0.005	0.05	1.03	16	0.11	3.60	82	1.3
JNL032 03+50E		<0.005	0.08	1.26	17	0.20	3.45	82	0.6
JNL032 04+00E		0.006	0.06	2.28	15	0.14	4.95	82	2.6
JNL034 00+00		<0.005	0.04	0.69	10	<0.05	7.10	104	1.6
JNL034 00+25W		<0.005	0.05	0.71	11	<0.05	5.73	94	1.7
JNL034 00+50W		0.010	0.05	0.62	23	0.18	2.23	74	<0.5
JNL034 00+75W		<0.005	0.05	0.91	16	0.06	2.25	87	2.0
JNL034 01+00W		<0.005	0.06	1.94	14	0.05	5.57	87	2.2
JNL034 01+25W		0.005	0.04	2.68	12	<0.05	4.14	68	1.6
JNL034 01+50W		<0.005	0.03	0.95	15	0.06	3.03	91	2.4
JNL034 01+75W		<0.005	0.05	1.49	16	0.14	6.35	84	2.4
JNL034 02+00W		<0.005	0.05	1.43	16	0.10	5.83	92	2.3
JNL034 02+25W		<0.005	0.09	1.90	16	0.24	8.01	94	1.4
JNL034 02+50W		<0.005	0.08	0.96	20	0.20	4.90	85	0.6
JNL034 02+75W		0.006	0.04	0.41	17	0.06	1.27	44	0.7
JNL034 03+00W		<0.005	0.03	0.51	16	0.06	2.48	84	2.7
JNL034 03+25W		0.010	0.03	0.46	24	0.08	1.54	59	0.9
JNL034 03+50W		<0.005	0.05	0.39	14	0.07	0.98	35	<0.5
JNL034 03+75W		<0.005	0.04	0.42	13	<0.05	1.36	50	1.1
JNL034 04+00W		0.005	0.04	0.45	15	<0.05	1.44	60	1.0
JNL034 04+25W		<0.005	0.04	0.62	16	<0.05	2.33	85	1.6
JNL034 04+50W		<0.005	0.03	0.57	11	<0.05	2.47	67	1.8
JNL034 04+75W		0.010	0.05	0.61	19	0.08	2.27	79	0.8
JNL034 05+00W		0.007	0.04	0.31	12	<0.05	0.88	39	0.6
JNL035 00+00		<0.005	0.04	1.41	14	<0.05	3.97	99	2.8
JNL035 00+25E		<0.005	0.04	0.58	14	<0.05	2.44	71	1.4
JNL035 00+50E		<0.005	0.03	0.30	9	<0.05	0.96	25	<0.5
JNL035 00+75E		<0.005	0.08	0.53	20	0.11	1.58	40	<0.5
JNL035 01+00E		0.005	0.05	0.45	17	0.05	1.57	51	0.5
JNL035 01+25E		0.009	0.05	0.44	17	0.11	1.71	47	<0.5
JNL035 01+50E		<0.005	0.03	0.33	12	<0.05	1.14	41	0.7
JNL035 01+75E		<0.005	0.03	2.35	16	<0.05	6.61	108	1.4
JNL035 02+00E		<0.005	0.07	1.62	15	<0.05	3.94	66	2.9
JNL035 02+25E		<0.005	0.03	0.84	14	<0.05	2.83	83	2.5

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL035 02+50E		0.55	0.0019	0.15	1.54	19.9	<0.02	<10	20	0.35	0.34	0.13	0.14	33.0	12.9	23
JNL035 02+75E		0.57	0.0043	0.22	1.71	36.9	<0.02	<10	30	0.46	0.38	0.21	0.14	28.9	10.9	23
JNL035 03+00E		0.32	0.0038	0.21	1.29	34.0	<0.02	<10	50	0.49	0.35	0.17	0.06	16.30	8.8	14
JNL035 03+25E		0.38	0.0055	0.19	1.21	48.2	<0.02	<10	40	0.40	0.33	0.26	0.06	15.25	8.7	13
JNL035 03+50E		0.49	0.0026	0.14	1.46	25.6	<0.02	<10	20	0.22	0.39	0.03	0.07	32.6	7.5	20
JNL035 03+75E		0.51	0.0029	0.05	1.89	31.6	<0.02	<10	20	0.35	0.40	0.06	0.10	51.5	11.7	28
JNL035 04+00E		0.46	0.0029	0.09	1.25	58.6	<0.02	<10	40	0.34	0.46	0.13	0.14	27.2	13.7	20
JNL036 00+00		0.34	0.0135	0.15	1.60	172.0	<0.02	<10	70	0.51	0.57	0.21	0.06	33.2	14.7	22
JNL036 00+25W		0.51	0.0165	0.08	1.54	120.0	0.03	<10	40	0.40	0.48	0.13	0.11	36.0	13.1	23
JNL036 00+50W		0.37	0.0229	0.66	1.56	555	0.02	<10	70	0.70	0.48	0.72	0.11	30.0	13.2	14
JNL036 00+75W		0.32	0.0111	0.62	2.30	77.8	<0.02	<10	100	1.67	0.74	0.12	0.22	48.8	18.4	27
JNL036 01+00W		0.34	0.0015	0.12	1.03	11.2	<0.02	<10	30	0.22	0.22	0.12	0.06	20.9	4.8	15
JNL036 01+25W		0.44	0.0026	0.05	2.02	23.7	<0.02	<10	30	0.39	0.36	0.09	0.07	44.6	13.7	29
JNL036 01+50W		0.45	0.0030	0.08	1.97	31.0	<0.02	<10	30	0.38	0.38	0.12	0.11	46.5	14.7	28
JNL036 01+75W		0.46	0.0032	0.09	2.09	27.0	<0.02	<10	40	0.49	0.37	0.12	0.10	42.3	14.1	30
JNL036 02+00W		0.55	0.0041	0.08	1.79	28.2	<0.02	<10	20	0.34	0.34	0.07	0.13	49.6	16.0	25
JNL036 02+25W		0.31	0.0054	0.07	1.18	49.0	<0.02	<10	20	0.37	0.41	0.07	0.06	19.85	9.4	15
JNL036 02+50W		0.35	0.0089	0.11	1.53	72.5	<0.02	<10	20	0.36	0.57	0.11	0.06	29.9	9.3	19
JNL036 02+75W		0.51	0.0073	0.32	1.84	48.5	<0.02	<10	40	0.64	0.45	0.16	0.25	31.3	13.9	25
JNL036 03+00W		0.42	0.0010	0.23	1.16	6.1	<0.02	<10	20	0.25	0.17	0.05	0.05	15.40	7.2	13
JNL036 03+25W		0.52	0.0020	0.11	2.00	18.9	<0.02	<10	20	0.41	0.35	0.13	0.10	32.4	16.9	29
JNL036 03+50W		0.51	0.0018	0.08	2.01	21.6	<0.02	<10	20	0.34	0.38	0.05	0.09	32.0	14.7	29
JNL036 03+75W		0.42	0.0007	0.08	1.60	11.9	<0.02	<10	20	0.15	0.36	0.01	0.03	26.8	6.7	23
JNL036 04+00W		0.41	0.0009	0.11	1.59	18.3	<0.02	<10	20	0.19	0.40	0.01	0.07	24.8	5.3	20
JNL036 04+25W		0.39	0.0004	0.14	1.05	8.7	<0.02	<10	30	0.14	0.25	0.01	0.05	24.3	3.3	10
JNL036 04+50W		0.43	0.0008	0.30	1.29	14.0	<0.02	<10	30	0.27	0.33	0.05	0.08	27.8	10.1	17
JNL036 04+75W		0.43	0.0011	0.12	1.69	16.5	<0.02	<10	30	0.31	0.35	0.02	0.10	26.0	8.1	21
JNL036 05+00W		0.51	0.0005	0.08	1.33	12.5	<0.02	<10	20	0.18	0.34	0.02	0.05	26.1	6.9	19
JNL037 00+00		0.46	0.0015	0.21	1.65	21.9	<0.02	<10	40	0.37	0.34	0.05	0.18	25.8	7.9	19
JNL037 00+50E		0.37	0.0009	0.10	1.42	13.2	<0.02	<10	30	0.25	0.29	0.02	0.11	26.6	6.9	17
JNL037 01+00E		0.37	0.0010	0.19	1.48	14.4	<0.02	<10	30	0.24	0.29	0.07	0.12	23.3	7.2	20
JNL037 01+50E		0.61	0.0019	0.15	1.73	12.9	<0.02	<10	50	0.44	0.33	0.17	0.11	31.3	8.9	22
JNL037 02+00E		0.48	0.0105	0.14	1.61	77.9	<0.02	<10	20	0.44	0.56	0.04	0.10	33.3	16.8	22
JNL037 02+50E		0.34	0.0254	0.16	1.55	168.0	0.03	<10	30	0.86	0.53	0.09	0.09	21.9	20.9	20
JNL037 03+00E		0.55	0.0042	0.13	1.99	25.7	<0.02	<10	20	0.49	0.33	0.19	0.09	52.9	15.1	29
JNL037 03+50E		0.49	0.0026	0.11	1.95	17.3	<0.02	<10	30	0.43	0.30	0.10	0.04	37.5	11.8	28
JNL037 04+00E		0.42	0.0013	0.03	1.81	23.0	<0.02	<10	20	0.24	0.37	0.03	0.07	35.9	11.4	28
JNL037 04+50E		0.39	0.0053	0.23	1.91	40.4	<0.02	<10	80	0.70	0.46	0.45	0.09	30.0	13.6	24
JNL037 05+00E		0.36	0.0250	0.04	0.72	312	<0.02	<10	20	0.13	0.62	0.01	0.04	32.3	7.8	15
JNL037 05+50E		0.42	0.0167	0.34	1.55	193.5	<0.02	<10	60	0.67	0.83	0.46	0.19	37.1	13.4	20

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL035 02+50E		0.68	29.7	3.38	4.49	<0.05	0.06	0.02	0.023	0.03	17.9	53.3	0.59	308	0.54	<0.01
JNL035 02+75E		1.71	29.7	3.44	4.77	<0.05	0.09	0.02	0.031	0.03	16.2	52.2	0.59	319	0.62	<0.01
JNL035 03+00E		1.93	21.9	2.42	4.32	<0.05	0.03	0.02	0.025	0.03	9.3	28.4	0.33	225	0.65	0.01
JNL035 03+25E		1.78	25.8	2.29	3.74	<0.05	0.05	0.02	0.022	0.03	9.1	24.4	0.32	281	0.53	0.01
JNL035 03+50E		1.25	21.7	3.04	4.89	<0.05	0.04	0.01	0.021	0.04	18.6	40.2	0.49	233	0.61	<0.01
JNL035 03+75E		0.97	25.5	4.00	5.52	0.05	0.06	0.01	0.025	0.03	28.7	61.3	0.74	380	0.57	<0.01
JNL035 04+00E		1.34	25.7	3.29	4.30	<0.05	0.04	0.02	0.027	0.04	14.6	33.8	0.39	437	0.91	<0.01
JNL036 00+00		1.22	23.9	3.80	4.67	<0.05	0.07	0.02	0.033	0.04	18.5	38.5	0.45	503	0.97	<0.01
JNL036 00+25W		0.78	28.8	4.04	4.38	<0.05	0.05	0.01	0.025	0.03	19.1	47.0	0.55	638	0.49	<0.01
JNL036 00+50W		4.46	47.6	2.74	3.73	<0.05	0.07	0.04	0.031	0.06	20.6	30.2	0.24	626	0.64	0.01
JNL036 00+75W		6.97	130.5	4.68	5.40	0.07	0.13	0.09	0.067	0.07	44.3	44.4	0.41	406	1.21	<0.01
JNL036 01+00W		1.30	12.5	1.81	3.60	<0.05	0.05	0.02	0.014	0.03	12.1	24.7	0.30	138	0.62	<0.01
JNL036 01+25W		2.01	26.4	3.92	5.77	<0.05	0.09	0.01	0.025	0.03	25.1	66.2	0.80	400	0.62	<0.01
JNL036 01+50W		1.23	29.4	4.06	5.67	0.05	0.07	0.01	0.025	0.03	26.3	64.8	0.81	426	0.63	<0.01
JNL036 01+75W		1.45	31.7	4.06	5.96	<0.05	0.09	0.01	0.028	0.03	24.2	64.9	0.82	447	0.59	<0.01
JNL036 02+00W		0.80	29.4	3.82	5.18	0.06	0.03	0.01	0.028	0.03	27.7	55.8	0.72	458	0.44	<0.01
JNL036 02+25W		1.38	25.6	2.89	3.81	<0.05	0.04	0.01	0.021	0.03	11.5	24.0	0.35	238	0.65	0.01
JNL036 02+50W		1.59	31.2	4.10	4.66	<0.05	0.07	0.02	0.027	0.02	17.4	35.4	0.50	262	0.66	<0.01
JNL036 02+75W		2.62	41.6	3.82	4.95	<0.05	0.08	0.02	0.043	0.04	17.7	51.6	0.62	409	0.61	<0.01
JNL036 03+00W		0.52	15.6	1.84	3.53	0.07	0.04	0.02	0.012	0.02	8.4	28.8	0.34	203	0.80	0.01
JNL036 03+25W		0.78	31.4	4.13	5.85	0.10	0.06	0.02	0.019	0.02	17.7	66.3	0.82	510	0.40	<0.01
JNL036 03+50W		0.75	34.2	4.31	5.79	0.10	0.08	0.02	0.021	0.02	17.5	67.1	0.81	436	0.40	<0.01
JNL036 03+75W		0.82	17.5	3.74	5.76	0.07	0.04	0.03	0.016	0.02	14.7	41.8	0.52	230	0.49	<0.01
JNL036 04+00W		0.96	14.9	3.23	5.75	0.05	<0.02	0.03	0.021	0.02	13.4	31.7	0.38	180	0.58	<0.01
JNL036 04+25W		1.07	10.6	1.97	4.54	<0.05	<0.02	0.03	0.015	0.03	13.3	9.4	0.12	107	0.49	<0.01
JNL036 04+50W		0.80	15.7	4.03	5.06	0.05	0.04	0.03	0.025	0.03	11.4	20.7	0.29	1010	0.50	<0.01
JNL036 04+75W		0.94	44.8	3.86	4.95	0.05	0.03	0.04	0.032	0.03	12.7	31.9	0.42	328	0.51	<0.01
JNL036 05+00W		0.85	18.2	3.23	5.13	0.06	0.03	0.02	0.015	0.02	13.9	34.6	0.44	288	0.45	<0.01
JNL037 00+00		0.73	24.5	3.42	4.55	0.06	0.10	0.02	0.031	0.03	13.4	38.9	0.49	219	0.39	<0.01
JNL037 00+50E		0.70	19.4	3.29	4.68	0.05	0.05	0.02	0.021	0.02	14.3	28.8	0.40	223	0.56	<0.01
JNL037 01+00E		0.75	18.5	3.08	5.16	0.06	0.05	0.03	0.020	0.03	12.9	37.3	0.46	246	0.48	<0.01
JNL037 01+50E		0.80	22.9	3.21	4.88	0.06	0.11	0.02	0.024	0.03	16.6	50.8	0.62	215	0.47	<0.01
JNL037 02+00E		1.82	44.7	4.37	4.82	0.09	0.05	0.02	0.026	0.04	18.5	40.6	0.60	496	0.72	<0.01
JNL037 02+50E		2.90	59.4	4.40	4.28	0.05	0.05	0.02	0.036	0.04	14.5	37.7	0.54	701	0.59	<0.01
JNL037 03+00E		1.35	37.9	4.08	5.81	0.10	0.05	0.01	0.022	0.03	28.6	67.4	0.86	450	0.44	<0.01
JNL037 03+50E		1.86	22.8	3.65	5.63	0.07	0.11	0.01	0.022	0.03	21.2	62.0	0.80	329	0.56	<0.01
JNL037 04+00E		1.30	22.2	3.78	5.50	0.06	0.05	0.01	0.020	0.03	19.7	56.9	0.74	344	0.67	<0.01
JNL037 04+50E		2.12	44.7	3.51	4.95	0.06	0.10	0.03	0.029	0.04	22.6	50.4	0.57	519	0.92	0.01
JNL037 05+00E		0.81	26.5	3.09	4.26	0.05	0.02	0.02	0.019	0.02	17.6	11.6	0.16	144	0.40	<0.01
JNL037 05+50E		2.87	37.7	3.79	4.02	0.07	0.09	0.02	0.042	0.05	20.2	33.8	0.52	687	0.52	0.01

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL035 02+50E		0.09	33.6	400	27.1	2.7	<0.001	0.07	1.29	1.5	0.5	0.2	21.3	<0.01	0.04	7.0
JNL035 02+75E		0.14	30.6	510	35.8	4.4	<0.001	0.02	1.25	1.6	0.5	0.2	25.8	<0.01	0.03	5.9
JNL035 03+00E		0.24	17.7	580	27.6	5.6	<0.001	0.04	1.12	0.7	0.3	0.2	21.0	<0.01	0.03	2.1
JNL035 03+25E		0.15	18.1	510	27.7	5.5	<0.001	0.03	1.08	0.8	0.3	0.2	25.4	<0.01	0.03	2.9
JNL035 03+50E		0.10	24.7	490	21.3	4.7	<0.001	0.02	1.01	0.9	0.2	0.2	7.3	<0.01	0.04	3.9
JNL035 03+75E		0.09	34.8	370	28.1	4.0	<0.001	0.01	0.93	1.4	0.3	0.2	10.0	<0.01	0.03	8.6
JNL035 04+00E		0.27	24.8	640	30.9	5.8	<0.001	0.03	1.06	1.1	0.3	0.3	22.1	<0.01	0.05	3.6
JNL036 00+00		0.28	25.8	900	40.5	6.6	<0.001	0.05	0.88	1.6	0.6	0.4	31.3	<0.01	0.04	4.2
JNL036 00+25W		0.17	33.0	360	29.2	4.1	<0.001	0.02	1.23	1.4	0.4	0.3	19.1	<0.01	0.04	6.2
JNL036 00+50W		0.32	27.5	690	35.9	5.9	<0.001	0.05	1.31	1.5	1.1	0.4	92.4	<0.01	0.05	2.7
JNL036 00+75W		0.53	48.1	1280	59.3	9.0	0.001	0.07	2.08	3.4	2.3	0.6	34.3	<0.01	0.06	4.7
JNL036 01+00W		0.18	14.2	700	14.1	4.2	<0.001	0.04	0.35	0.7	0.3	0.2	16.1	<0.01	0.03	2.3
JNL036 01+25W		0.09	36.6	360	21.5	4.1	<0.001	0.01	0.81	1.5	0.2	0.2	16.0	<0.01	0.03	7.5
JNL036 01+50W		0.06	36.7	310	26.7	3.5	<0.001	0.01	0.98	1.4	0.2	0.2	17.9	<0.01	0.04	7.8
JNL036 01+75W		0.08	37.6	260	23.4	4.2	<0.001	0.01	0.82	1.5	0.3	<0.2	14.5	<0.01	0.03	7.4
JNL036 02+00W		0.05	34.6	420	33.3	2.5	<0.001	0.01	1.20	1.3	0.2	<0.2	9.4	<0.01	0.03	8.0
JNL036 02+25W		0.24	19.3	530	23.0	3.5	<0.001	0.04	2.06	0.7	<0.2	0.2	12.6	<0.01	0.04	2.5
JNL036 02+50W		0.21	26.1	520	33.2	3.2	<0.001	0.03	3.27	1.0	0.4	0.2	15.6	<0.01	0.07	6.2
JNL036 02+75W		0.12	34.3	550	52.3	5.1	<0.001	0.02	1.70	1.8	0.6	0.2	23.7	<0.01	0.04	6.4
JNL036 03+00W		0.19	17.0	380	16.0	2.2	0.001	0.03	0.36	0.7	0.3	<0.2	6.3	<0.01	0.02	1.6
JNL036 03+25W		0.05	37.1	420	35.5	2.9	<0.001	0.02	0.93	1.5	0.3	<0.2	12.1	<0.01	0.04	6.3
JNL036 03+50W		0.05	37.3	450	34.2	2.5	<0.001	0.02	1.11	1.4	0.3	<0.2	5.8	<0.01	0.04	6.9
JNL036 03+75W		0.23	21.5	830	13.5	3.0	<0.001	0.04	0.61	0.7	0.3	0.2	2.7	<0.01	0.04	1.7
JNL036 04+00W		0.45	16.3	650	19.9	4.1	<0.001	0.04	0.60	0.5	0.4	0.4	4.2	0.01	0.04	0.7
JNL036 04+25W		0.30	8.1	860	17.2	5.8	<0.001	0.04	0.58	0.3	0.4	0.3	4.2	<0.01	0.02	0.4
JNL036 04+50W		0.24	16.0	1200	46.4	5.6	<0.001	0.04	0.71	0.6	0.4	0.2	8.1	<0.01	0.03	1.3
JNL036 04+75W		0.39	19.7	780	42.4	5.7	<0.001	0.04	0.81	0.8	0.4	0.3	6.4	<0.01	0.03	1.4
JNL036 05+00W		0.22	20.6	480	18.4	4.7	<0.001	0.03	0.73	0.9	<0.2	0.2	3.4	<0.01	0.03	2.8
JNL037 00+00		0.14	24.9	670	47.2	4.0	<0.001	0.03	1.31	1.1	0.3	<0.2	7.5	<0.01	0.02	4.0
JNL037 00+50E		0.23	19.8	770	31.6	5.0	<0.001	0.03	1.11	0.8	0.2	0.2	6.7	<0.01	0.02	2.2
JNL037 01+00E		0.19	21.0	680	20.5	4.4	<0.001	0.03	0.77	0.8	0.5	0.2	9.0	<0.01	0.03	2.3
JNL037 01+50E		0.10	28.4	500	31.8	4.8	<0.001	0.03	0.71	1.8	0.5	<0.2	19.7	<0.01	0.02	5.4
JNL037 02+00E		0.11	30.7	550	35.4	3.7	<0.001	0.03	3.26	1.3	0.5	0.2	9.5	<0.01	0.07	8.0
JNL037 02+50E		<0.05	37.6	450	49.7	4.8	<0.001	0.03	2.60	1.8	0.5	<0.2	12.7	<0.01	0.06	6.7
JNL037 03+00E		<0.05	39.4	580	29.3	2.7	<0.001	0.02	0.88	1.7	0.5	<0.2	19.9	<0.01	0.04	9.4
JNL037 03+50E		0.10	33.5	360	13.6	3.5	<0.001	0.03	0.61	1.5	0.4	0.2	16.3	<0.01	0.03	6.3
JNL037 04+00E		0.11	31.1	320	19.8	4.2	<0.001	0.02	0.75	1.2	0.2	0.2	7.2	<0.01	0.04	6.2
JNL037 04+50E		0.22	30.7	950	30.3	5.8	<0.001	0.06	0.85	1.5	0.9	0.2	48.2	<0.01	0.04	4.0
JNL037 05+00E		0.19	21.4	570	16.2	3.3	<0.001	0.04	1.48	0.8	0.3	0.3	5.9	<0.01	0.05	2.6
JNL037 05+50E		0.24	30.4	840	96.6	8.1	<0.001	0.06	1.74	2.3	0.8	0.5	47.4	<0.01	0.04	5.0

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL035 02+50E		<0.005	0.04	1.90	13	0.12	5.08	90	2.1
JNL035 02+75E		<0.005	0.04	4.14	14	<0.05	6.58	103	2.4
JNL035 03+00E		<0.005	0.05	2.27	12	0.05	3.77	56	1.1
JNL035 03+25E		<0.005	0.05	1.20	10	<0.05	4.34	53	1.4
JNL035 03+50E		<0.005	0.05	0.71	15	0.07	2.23	71	0.8
JNL035 03+75E		<0.005	0.04	1.24	16	0.05	3.51	100	1.9
JNL035 04+00E		0.005	0.06	1.51	16	0.09	3.23	88	1.2
JNL036 00+00		0.005	0.09	2.71	17	0.13	5.48	80	1.8
JNL036 00+25W		<0.005	0.06	1.08	16	0.08	3.82	85	1.8
JNL036 00+50W		0.006	0.09	5.13	13	0.10	15.60	66	1.7
JNL036 00+75W		0.008	0.16	32.3	22	0.20	39.6	135	3.4
JNL036 01+00W		<0.005	0.05	1.29	11	<0.05	1.88	41	1.2
JNL036 01+25W		<0.005	0.03	1.25	16	<0.05	3.51	96	2.5
JNL036 01+50W		<0.005	0.03	1.12	16	<0.05	3.37	101	2.1
JNL036 01+75W		<0.005	0.04	1.57	17	<0.05	3.73	103	2.5
JNL036 02+00W		<0.005	0.02	1.06	14	<0.05	3.85	91	0.9
JNL036 02+25W		0.006	0.04	1.21	12	<0.05	3.03	55	0.9
JNL036 02+50W		<0.005	0.04	1.04	14	<0.05	2.77	72	2.1
JNL036 02+75W		<0.005	0.04	6.51	15	<0.05	9.21	129	2.2
JNL036 03+00W		0.009	0.02	0.45	10	<0.05	2.21	42	1.1
JNL036 03+25W		<0.005	0.02	0.61	16	<0.05	3.28	97	1.8
JNL036 03+50W		<0.005	0.03	0.58	16	<0.05	2.73	98	2.4
JNL036 03+75W		0.007	0.04	0.46	19	0.06	1.36	57	1.2
JNL036 04+00W		0.012	0.05	0.51	22	0.14	1.71	50	0.6
JNL036 04+25W		0.006	0.06	0.43	16	0.09	1.39	30	<0.5
JNL036 04+50W		0.010	0.05	0.59	19	0.13	2.55	53	1.2
JNL036 04+75W		0.011	0.06	0.71	19	0.13	2.51	74	1.0
JNL036 05+00W		0.007	0.04	0.44	17	0.05	1.61	62	0.9
JNL037 00+00		<0.005	0.04	0.64	12	<0.05	2.80	90	3.0
JNL037 00+50E		0.006	0.04	0.65	13	0.06	2.25	75	1.5
JNL037 01+00E		0.006	0.04	0.63	15	0.05	2.22	70	1.4
JNL037 01+50E		<0.005	0.04	1.16	12	<0.05	6.28	99	3.2
JNL037 02+00E		<0.005	0.04	1.35	14	<0.05	3.26	93	1.5
JNL037 02+50E		<0.005	0.05	2.21	11	<0.05	9.83	101	1.5
JNL037 03+00E		<0.005	0.02	1.62	16	<0.05	5.37	103	2.3
JNL037 03+50E		<0.005	0.03	1.44	16	<0.05	4.13	81	3.0
JNL037 04+00E		<0.005	0.03	0.63	17	0.05	2.10	88	1.7
JNL037 04+50E		<0.005	0.06	3.96	16	0.07	9.60	80	2.9
JNL037 05+00E		0.005	0.05	0.61	17	0.07	1.72	54	0.5
JNL037 05+50E		0.006	0.07	2.42	15	0.11	12.35	107	2.5

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL037 06+00E		0.40	0.0257	0.19	1.59	405	0.02	<10	60	0.76	0.36	0.34	0.15	43.9	11.3	21
JNL037 06+50E		0.36	0.0059	0.06	1.59	245	<0.02	<10	50	0.52	0.73	0.23	0.23	35.0	19.1	24
JNL037 07+00E		0.38	0.0046	0.13	1.58	58.8	<0.02	<10	60	0.52	0.43	0.35	0.10	28.8	12.1	22
JNL037 07+50E		0.41	0.0067	0.12	1.85	64.2	<0.02	<10	60	0.53	0.50	0.26	0.09	31.9	13.5	27
JNL037 08+00E		0.39	0.0004	0.04	0.88	29.3	<0.02	<10	30	0.12	0.47	0.02	0.06	28.6	5.0	11
JNL037 08+50E		0.40	0.0069	0.16	1.94	51.3	<0.02	<10	60	0.50	0.46	0.14	0.05	36.3	11.9	27
JNL037 09+00E		0.43	0.0017	0.16	1.44	38.3	<0.02	<10	20	0.37	0.56	0.12	0.16	29.7	11.5	20
JNL037 09+50E		0.48	0.0026	0.19	0.66	116.5	<0.02	<10	20	0.44	0.42	0.72	0.28	42.9	17.2	14
JNL037 10+00E		0.46	0.0022	0.23	0.67	141.5	<0.02	<10	30	0.48	0.48	0.80	0.28	41.7	18.1	15
JNL037 10+50E		0.53	0.0035	0.13	0.54	65.2	<0.02	<10	30	0.30	0.45	0.23	0.14	24.6	9.6	10
JNL037 11+00E		0.58	0.0070	0.41	0.73	105.0	<0.02	<10	30	0.51	0.63	0.23	0.59	42.1	19.7	14
JNL038 00+00		0.59	0.0080	0.23	1.81	88.6	<0.02	<10	20	0.60	0.51	0.02	0.29	27.0	30.5	23
JNL038 00+50E		0.53	0.0059	0.18	1.88	73.1	<0.02	<10	30	0.62	0.46	0.04	0.33	29.7	23.4	26
JNL038 01+00E		0.54	0.0145	0.07	2.03	300	<0.02	<10	20	0.58	0.56	0.04	0.15	22.8	33.6	25
JNL038 01+50E		0.64	0.0115	0.13	1.82	111.5	<0.02	<10	20	0.47	0.87	0.02	0.07	33.3	8.6	21
JNL038 02+00E		0.50	0.0140	0.23	1.47	88.3	<0.02	<10	20	0.44	0.49	0.02	0.12	36.3	16.3	21
JNL038 02+50E		0.34	0.0019	0.13	1.17	41.4	<0.02	<10	20	0.31	0.35	0.02	0.10	26.5	10.4	17
JNL038 03+00E		0.58	0.0105	0.47	1.52	86.6	<0.02	<10	20	0.56	0.66	0.07	0.13	43.5	30.1	22
JNL038 03+50E		0.51	0.0020	0.09	0.82	15.8	<0.02	<10	20	0.15	0.28	0.01	0.08	17.45	5.3	12
JNL038 04+00E		0.58	0.0040	0.09	1.87	31.7	<0.02	<10	20	0.30	0.41	0.07	0.06	45.6	13.0	28
JNL038 04+50E		0.52	0.0028	0.27	0.93	13.5	<0.02	<10	30	0.31	0.18	0.16	0.04	17.10	8.8	11
JNL038 05+00E		0.73	0.0095	0.10	1.55	54.8	<0.02	<10	30	0.48	0.49	0.13	0.26	37.3	17.2	23
JNL038 05+50E		0.94	0.0598	0.44	1.06	223	<0.02	<10	30	0.51	0.98	0.17	0.72	51.1	17.7	20
JNL038 06+00E		0.40	0.0060	0.20	1.48	40.3	<0.02	<10	60	0.54	0.39	0.32	0.08	25.3	10.6	16
JNL038 06+50E		0.53	0.0088	0.21	1.66	42.0	<0.02	<10	50	0.45	0.47	0.34	0.08	29.2	10.9	23
JNL038 07+00E		0.41	0.0068	0.15	1.60	34.9	<0.02	<10	50	0.36	0.39	0.35	0.14	26.2	9.6	22
JNL038 07+50E		0.57	0.0074	0.19	1.62	79.8	<0.02	<10	90	0.62	0.46	0.39	0.06	25.7	11.2	18
JNL038 08+00E		0.45	0.0098	0.09	1.83	64.0	<0.02	<10	70	0.32	0.50	0.16	0.05	32.1	7.3	25
JNL039 00+00		0.67	0.0154	0.29	1.85	134.5	0.02	<10	40	1.04	0.73	0.03	0.23	32.9	36.5	20
JNL039 00+50E		0.54	0.0061	0.20	1.28	70.1	<0.02	<10	20	0.37	0.38	0.02	0.15	16.55	13.8	16
JNL039 01+00E		0.64	0.0035	0.08	1.59	57.8	<0.02	<10	20	0.32	0.49	0.02	0.10	28.6	14.5	21
JNL039 01+50E		0.74	0.0091	0.09	1.47	70.1	<0.02	<10	20	0.37	0.47	0.01	0.05	34.1	10.4	18
JNL039 02+00E		0.47	0.0043	0.13	1.55	67.4	<0.02	<10	30	0.62	0.52	0.04	0.24	41.9	33.6	18
JNL039 02+50E		0.62	0.0028	0.06	1.88	71.5	<0.02	<10	30	0.44	0.49	0.01	0.17	37.8	16.2	23
JNL039 03+00E		0.71	0.0051	0.17	1.77	49.9	<0.02	<10	30	0.52	0.46	0.04	0.20	41.9	18.2	22
JNL039 03+50E		0.52	0.0023	0.09	1.89	27.8	<0.02	<10	20	0.32	0.43	0.01	0.09	35.4	11.0	26
JNL039 04+00E		0.69	0.0055	0.09	1.68	25.6	<0.02	<10	20	0.36	0.32	0.09	0.13	30.3	10.3	22
JNL039 04+50E		0.65	0.0037	0.15	1.82	50.9	<0.02	<10	30	0.47	0.40	0.14	0.15	33.6	26.0	24
JNL039 05+00E		0.73	0.0043	0.10	1.71	44.1	<0.02	<10	20	0.37	0.45	0.07	0.14	38.1	19.4	25
JNL039 05+50E		0.86	0.0046	0.17	1.75	29.0	<0.02	<10	30	0.40	0.35	0.22	0.13	35.0	12.2	23

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL037 06+00E		3.24	28.6	3.53	4.27	0.08	0.10	0.02	0.039	0.08	19.6	25.6	1.06	501	0.56	<0.01
JNL037 06+50E		2.20	29.5	4.42	4.61	0.05	0.09	0.01	0.048	0.06	16.6	36.8	0.57	847	0.66	<0.01
JNL037 07+00E		1.33	23.5	3.16	4.83	0.05	0.09	0.02	0.032	0.05	16.3	41.2	0.52	298	0.71	0.01
JNL037 07+50E		1.36	25.2	3.71	5.41	0.05	0.11	0.02	0.035	0.06	17.5	51.0	0.65	375	0.91	<0.01
JNL037 08+00E		0.72	11.6	2.78	6.31	<0.05	<0.02	0.01	0.019	0.02	14.9	9.8	0.21	231	0.60	<0.01
JNL037 08+50E		1.91	20.2	3.73	5.58	0.05	0.09	0.01	0.031	0.06	19.5	55.9	0.71	326	0.98	<0.01
JNL037 09+00E		0.72	24.9	4.57	4.19	0.05	0.05	0.03	0.035	0.03	13.1	25.4	0.44	644	0.60	<0.01
JNL037 09+50E		0.62	33.6	3.93	2.03	0.07	0.05	0.05	0.037	0.03	22.6	11.6	0.21	679	0.51	0.01
JNL037 10+00E		0.90	42.9	4.03	2.27	0.07	0.05	0.05	0.039	0.03	22.2	13.0	0.22	438	0.56	0.01
JNL037 10+50E		0.96	19.9	3.00	1.82	<0.05	0.03	0.04	0.033	0.02	13.2	6.9	0.09	209	0.48	<0.01
JNL037 11+00E		0.74	40.0	4.07	2.14	0.07	0.06	0.07	0.057	0.03	20.2	11.4	0.19	605	0.64	<0.01
JNL038 00+00		3.04	53.2	4.69	5.29	0.06	0.07	0.03	0.041	0.04	14.8	37.6	0.57	1140	1.21	0.01
JNL038 00+50E		2.25	45.8	4.15	5.31	0.06	0.07	0.03	0.039	0.03	16.5	45.2	0.69	878	0.81	0.01
JNL038 01+00E		2.10	62.1	5.06	5.65	0.06	0.08	0.03	0.035	0.03	12.9	40.9	0.60	1200	1.30	<0.01
JNL038 01+50E		1.89	51.7	5.43	5.21	0.07	0.05	0.02	0.041	0.03	19.1	35.4	0.60	422	1.25	0.01
JNL038 02+00E		1.80	44.9	4.13	4.65	0.07	0.08	0.02	0.027	0.03	20.1	38.3	0.55	486	1.39	<0.01
JNL038 02+50E		1.40	29.4	3.25	4.23	<0.05	0.03	0.03	0.026	0.03	14.2	24.6	0.34	455	0.79	0.01
JNL038 03+00E		1.32	58.2	4.91	4.79	0.08	0.05	0.03	0.034	0.03	23.0	42.6	0.58	791	1.18	<0.01
JNL038 03+50E		1.07	19.4	2.02	3.42	<0.05	0.02	0.01	0.014	0.02	9.6	20.9	0.27	163	0.36	0.01
JNL038 04+00E		1.21	35.8	4.17	5.73	0.06	0.03	0.01	0.023	0.03	24.2	59.0	0.74	348	0.54	<0.01
JNL038 04+50E		1.41	18.2	1.59	2.84	<0.05	0.05	0.02	0.015	0.02	10.4	22.4	0.26	255	0.35	0.01
JNL038 05+00E		1.40	39.9	4.13	4.50	0.06	0.07	0.01	0.050	0.04	19.7	46.3	0.58	482	0.60	0.01
JNL038 05+50E		1.18	50.3	3.98	3.45	0.08	0.05	0.03	0.067	0.05	26.8	27.0	0.35	363	0.56	<0.01
JNL038 06+00E		2.34	19.3	2.85	4.29	0.05	0.06	0.01	0.033	0.03	14.9	34.5	0.39	317	0.45	0.01
JNL038 06+50E		2.04	22.3	3.37	4.80	0.05	0.07	0.02	0.034	0.04	17.4	50.5	0.57	246	0.70	<0.01
JNL038 07+00E		1.42	19.1	2.97	4.84	0.05	0.06	0.03	0.027	0.05	15.0	44.6	0.54	299	0.66	<0.01
JNL038 07+50E		1.41	31.4	2.90	5.07	<0.05	0.13	0.03	0.029	0.08	14.3	31.4	0.35	391	1.13	0.01
JNL038 08+00E		1.60	14.6	3.37	5.81	0.05	0.07	0.01	0.026	0.06	18.2	47.3	0.60	219	1.27	<0.01
JNL039 00+00		3.48	62.9	4.85	5.31	0.06	0.03	0.02	0.043	0.03	18.7	44.9	0.60	1220	0.78	<0.01
JNL039 00+50E		1.84	34.1	3.17	4.27	<0.05	0.04	0.06	0.027	0.03	9.3	25.3	0.34	531	0.58	0.01
JNL039 01+00E		2.31	33.1	3.75	5.54	0.06	0.04	0.02	0.033	0.03	15.7	39.9	0.51	493	0.70	0.01
JNL039 01+50E		2.47	45.3	4.23	4.48	0.06	0.02	0.01	0.029	0.04	19.0	31.1	0.47	322	0.67	0.01
JNL039 02+00E		2.52	49.3	4.24	5.84	0.06	0.05	0.07	0.042	0.04	22.3	29.8	0.43	1690	0.71	<0.01
JNL039 02+50E		1.47	38.9	4.46	5.44	0.06	0.05	0.03	0.041	0.03	19.9	40.3	0.53	669	0.61	<0.01
JNL039 03+00E		0.87	34.1	4.00	4.94	0.07	0.06	0.01	0.037	0.03	22.2	47.8	0.65	572	0.39	<0.01
JNL039 03+50E		1.15	28.6	4.79	6.06	0.06	0.05	0.02	0.024	0.03	19.3	50.5	0.60	360	0.44	<0.01
JNL039 04+00E		1.28	21.9	3.47	4.75	0.05	0.06	0.01	0.027	0.02	16.5	51.5	0.66	289	0.37	<0.01
JNL039 04+50E		2.63	31.1	4.20	5.54	0.05	0.05	0.01	0.029	0.03	18.2	52.8	0.65	913	0.84	<0.01
JNL039 05+00E		1.00	39.0	4.19	5.12	0.06	0.04	0.02	0.032	0.03	19.6	54.9	0.68	525	0.47	<0.01
JNL039 05+50E		1.87	26.4	3.44	5.09	0.05	0.06	0.01	0.024	0.03	18.7	56.5	0.63	384	0.69	0.01

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL037 06+00E		0.13	29.8	1030	29.3	8.0	<0.001	0.03	1.64	3.0	0.6	0.3	34.7	<0.01	0.04	7.4
JNL037 06+50E		0.19	31.1	620	79.3	8.7	<0.001	0.04	1.92	2.0	0.7	0.4	27.5	<0.01	0.05	5.9
JNL037 07+00E		0.29	24.8	600	34.1	7.5	<0.001	0.05	0.78	1.6	0.6	0.4	37.3	<0.01	0.04	4.5
JNL037 07+50E		0.25	31.2	580	35.9	9.2	<0.001	0.04	0.80	1.8	0.5	0.4	30.2	<0.01	0.03	5.8
JNL037 08+00E		0.42	10.4	500	22.4	5.1	<0.001	0.03	1.10	0.7	0.3	0.4	4.3	<0.01	0.03	1.8
JNL037 08+50E		0.27	30.3	490	33.7	9.4	<0.001	0.03	0.70	1.8	0.7	0.3	19.5	<0.01	0.02	6.6
JNL037 09+00E		0.29	22.0	1090	66.0	5.4	<0.001	0.03	1.44	1.4	0.6	0.2	8.7	<0.01	0.04	5.4
JNL037 09+50E		0.14	40.3	750	33.8	2.5	0.001	0.08	2.62	3.0	1.3	0.3	51.2	<0.01	0.04	4.9
JNL037 10+00E		0.16	42.8	660	41.3	3.4	<0.001	0.05	3.38	3.0	1.0	0.3	56.4	<0.01	0.05	6.4
JNL037 10+50E		0.07	21.6	580	33.0	3.5	<0.001	0.03	3.42	1.6	0.6	0.3	35.3	<0.01	0.03	2.6
JNL037 11+00E		0.08	44.0	780	62.0	4.9	<0.001	0.03	5.02	3.7	1.0	0.3	55.6	<0.01	0.06	5.2
JNL038 00+00		0.16	35.4	1030	85.7	5.5	<0.001	0.05	3.67	1.2	0.7	0.2	3.8	<0.01	0.07	3.9
JNL038 00+50E		0.14	35.6	590	82.5	4.2	<0.001	0.04	2.69	1.6	0.6	0.2	6.8	<0.01	0.07	5.3
JNL038 01+00E		0.09	38.2	1070	40.1	4.2	<0.001	0.04	4.29	1.2	0.5	<0.2	7.3	<0.01	0.10	5.3
JNL038 01+50E		0.06	23.2	1140	57.4	4.1	<0.001	0.06	4.08	1.1	0.8	0.3	16.2	<0.01	0.08	7.9
JNL038 02+00E		0.08	33.8	530	28.1	3.7	0.001	0.04	3.23	1.3	0.3	0.2	5.1	<0.01	0.05	7.1
JNL038 02+50E		0.26	22.0	800	24.4	4.6	<0.001	0.05	2.07	0.8	0.4	0.2	3.9	<0.01	0.05	2.1
JNL038 03+00E		0.08	45.9	900	77.9	2.9	<0.001	0.04	5.96	1.5	0.6	<0.2	10.0	<0.01	0.06	6.2
JNL038 03+50E		0.16	14.3	540	17.0	2.7	<0.001	0.04	0.80	0.5	0.3	<0.2	3.2	<0.01	0.03	0.9
JNL038 04+00E		0.09	34.1	570	23.7	3.9	<0.001	0.03	1.13	1.4	0.4	0.2	8.5	<0.01	0.05	6.5
JNL038 04+50E		0.19	13.6	530	19.0	2.9	<0.001	0.04	0.42	0.7	0.4	<0.2	20.1	<0.01	0.02	1.5
JNL038 05+00E		0.28	36.8	490	42.9	4.7	<0.001	0.04	2.07	1.9	0.5	0.2	20.4	<0.01	0.05	6.8
JNL038 05+50E		0.16	40.0	460	114.0	4.7	<0.001	0.04	2.94	2.6	0.7	0.5	25.5	<0.01	0.06	9.5
JNL038 06+00E		0.35	22.5	640	33.6	5.7	<0.001	0.05	0.97	1.2	0.4	0.3	31.9	<0.01	0.04	2.6
JNL038 06+50E		0.24	29.7	620	32.5	6.9	<0.001	0.06	0.93	1.7	0.4	0.3	36.3	<0.01	0.02	4.7
JNL038 07+00E		0.29	24.5	530	26.8	7.0	<0.001	0.05	0.61	1.4	0.4	0.3	34.5	<0.01	0.02	4.2
JNL038 07+50E		0.39	21.5	910	30.8	9.5	<0.001	0.07	0.93	1.4	0.6	0.4	41.5	<0.01	0.04	3.5
JNL038 08+00E		0.29	25.3	460	18.9	8.1	<0.001	0.04	0.59	1.5	0.3	0.4	21.8	<0.01	0.03	4.8
JNL039 00+00		0.08	45.7	520	103.5	4.5	<0.001	0.03	4.82	2.1	0.7	0.2	6.6	<0.01	0.09	8.2
JNL039 00+50E		0.17	22.1	1030	36.2	5.1	<0.001	0.08	2.07	0.9	0.6	<0.2	3.5	<0.01	0.05	2.0
JNL039 01+00E		0.33	26.2	790	39.0	5.7	<0.001	0.04	2.26	1.1	0.5	0.3	6.7	<0.01	0.05	2.7
JNL039 01+50E		0.10	22.9	580	29.5	4.9	<0.001	0.04	3.87	1.3	0.5	0.2	4.9	<0.01	0.06	9.3
JNL039 02+00E		0.18	31.6	870	37.9	5.1	<0.001	0.06	2.58	1.1	0.6	0.4	6.1	<0.01	0.06	4.9
JNL039 02+50E		0.31	31.0	670	31.0	5.2	<0.001	0.04	2.23	1.2	0.4	0.2	3.9	<0.01	0.07	3.5
JNL039 03+00E		0.08	34.0	330	69.8	3.7	<0.001	0.02	1.83	1.6	0.5	<0.2	6.4	<0.01	0.06	8.0
JNL039 03+50E		0.28	29.1	600	33.1	5.4	<0.001	0.03	1.58	1.3	0.4	0.2	4.0	<0.01	0.04	4.5
JNL039 04+00E		0.09	31.7	390	24.8	3.4	<0.001	0.03	1.27	1.4	0.4	<0.2	11.7	<0.01	0.03	6.3
JNL039 04+50E		0.14	33.7	520	55.7	5.3	<0.001	0.03	1.92	1.4	0.5	0.2	15.4	<0.01	0.05	4.9
JNL039 05+00E		0.11	33.8	510	40.6	4.0	<0.001	0.02	1.55	1.4	0.5	0.2	10.8	<0.01	0.05	5.8
JNL039 05+50E		0.15	33.4	510	20.4	4.3	<0.001	0.03	1.17	1.4	0.6	<0.2	24.3	<0.01	0.03	4.9

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
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Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL037 06+00E		<0.005	0.09	1.33	14	0.08	9.33	87	3.5
JNL037 06+50E		0.005	0.09	1.32	17	0.12	4.07	137	2.7
JNL037 07+00E		0.007	0.08	1.97	17	0.12	4.58	77	2.4
JNL037 07+50E		0.006	0.08	2.13	19	0.13	5.13	97	2.9
JNL037 08+00E		0.010	0.06	0.47	23	0.09	1.57	48	<0.5
JNL037 08+50E		0.006	0.09	3.87	18	0.08	4.42	96	2.7
JNL037 09+00E		0.006	0.05	0.67	13	0.23	3.49	78	1.6
JNL037 09+50E		0.005	0.10	2.74	13	0.26	11.05	103	1.6
JNL037 10+00E		0.005	0.16	1.76	13	0.29	10.10	103	1.5
JNL037 10+50E		<0.005	0.17	1.58	11	0.31	5.32	77	0.7
JNL037 11+00E		<0.005	0.24	2.60	13	0.40	11.70	152	1.7
JNL038 00+00		0.006	0.07	2.99	17	<0.05	5.31	139	2.3
JNL038 00+50E		0.006	0.05	1.70	17	<0.05	5.40	137	1.9
JNL038 01+00E		<0.005	0.05	1.93	17	<0.05	5.05	125	2.5
JNL038 01+50E		<0.005	0.05	1.77	15	<0.05	3.62	83	1.8
JNL038 02+00E		<0.005	0.04	1.23	13	<0.05	3.03	91	2.2
JNL038 02+50E		0.009	0.05	0.83	16	0.07	2.60	67	1.1
JNL038 03+00E		<0.005	0.04	2.00	13	<0.05	5.07	116	1.5
JNL038 03+50E		0.008	0.03	0.51	13	0.05	1.78	38	0.5
JNL038 04+00E		<0.005	0.03	0.72	18	<0.05	2.98	80	0.9
JNL038 04+50E		0.007	0.03	1.59	9	<0.05	3.19	33	1.5
JNL038 05+00E		0.008	0.07	1.88	17	0.14	5.51	117	2.0
JNL038 05+50E		0.005	0.19	2.28	17	0.34	8.61	134	1.9
JNL038 06+00E		0.008	0.07	1.32	14	0.11	4.73	69	1.7
JNL038 06+50E		0.005	0.08	2.06	17	0.09	5.14	81	2.0
JNL038 07+00E		0.006	0.09	1.66	16	0.10	3.38	71	1.7
JNL038 07+50E		0.006	0.14	1.95	16	0.15	4.65	56	3.6
JNL038 08+00E		0.005	0.11	1.12	20	0.11	3.08	73	1.8
JNL039 00+00		<0.005	0.06	3.25	15	<0.05	8.79	160	0.9
JNL039 00+50E		0.006	0.06	1.43	14	0.05	3.32	83	1.2
JNL039 01+00E		0.010	0.06	1.15	19	0.09	3.13	89	1.1
JNL039 01+50E		<0.005	0.05	1.46	14	<0.05	3.08	81	0.8
JNL039 02+00E		0.005	0.05	1.64	18	0.06	4.37	96	1.5
JNL039 02+50E		0.009	0.06	1.09	18	0.08	3.82	104	1.6
JNL039 03+00E		<0.005	0.03	1.01	14	<0.05	5.92	122	1.8
JNL039 03+50E		0.005	0.06	0.65	19	0.08	2.54	91	1.4
JNL039 04+00E		<0.005	0.03	1.17	13	<0.05	3.65	101	2.0
JNL039 04+50E		<0.005	0.04	1.45	16	<0.05	3.86	106	1.4
JNL039 05+00E		<0.005	0.04	0.92	16	0.07	3.41	99	1.1
JNL039 05+50E		0.005	0.04	3.32	15	0.06	4.96	90	1.8

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL039 06+00E		0.92	0.0032	0.20	1.81	25.2	<0.02	<10	30	0.42	0.37	0.39	0.18	32.0	14.0	23
JNL039 06+50E		0.52	0.0007	0.10	0.84	7.4	<0.02	<10	20	0.17	0.13	0.64	0.05	10.15	2.4	7
JNL039 07+00E		0.54	0.0020	0.11	1.07	8.9	<0.02	<10	30	0.22	0.17	0.25	0.05	21.3	5.7	15
JNL039 07+50E		0.76	0.0047	0.16	1.58	28.1	<0.02	<10	40	0.29	0.36	0.22	0.05	31.7	7.4	21
JNL039 08+00E		0.56	0.0079	0.16	1.58	39.8	<0.02	<10	30	0.23	0.32	0.05	0.11	28.8	8.7	22
JNL039 08+50E		0.55	0.0021	0.22	0.55	104.5	<0.02	<10	30	0.42	0.50	0.59	0.31	38.6	18.8	13
JNL039 09+00E		0.75	0.0531	0.11	0.75	624	<0.02	<10	20	0.14	2.35	0.01	0.09	33.0	7.9	15
JNL039 09+50E		0.52	0.0017	0.13	0.59	120.5	<0.02	<10	20	0.15	0.65	0.01	0.11	22.6	9.3	13
JNL039 10+00E		0.57	0.0034	0.05	1.35	138.5	<0.02	<10	20	0.35	0.56	0.06	0.22	36.8	15.4	22
JNL039 10+50E		0.60	0.0008	0.21	0.58	18.4	<0.02	<10	20	0.07	0.35	0.01	0.03	25.1	3.0	8
JNL039 11+00E		0.51	0.0041	0.06	1.53	63.8	<0.02	<10	30	0.45	0.71	0.08	0.25	42.9	21.7	20
JNL039 11+50E		0.57	0.0010	0.08	0.91	17.1	<0.02	<10	40	0.15	0.38	0.03	0.05	35.6	3.6	10
JNL039 12+00E		0.71	0.0016	0.08	1.77	22.4	<0.02	<10	60	0.36	0.53	0.02	0.12	44.0	10.2	22
JNL039 12+50E		0.59	0.0037	0.10	0.79	47.0	<0.02	<10	20	0.45	0.34	0.06	0.23	36.7	20.8	15
JNL039 13+00E		0.62	0.0035	0.10	0.67	42.9	<0.02	<10	30	0.48	0.32	0.14	0.11	39.2	14.9	15
JNL043 00+00		0.42	0.0006	0.04	1.44	8.9	<0.02	<10	90	0.77	0.20	6.04	0.09	35.9	11.3	19
JNL043 00+50W		Listed, NR														
JNL043 01+00W		0.31	0.0004	0.03	0.83	5.6	<0.02	<10	40	0.62	0.12	1.59	0.06	45.0	5.8	11
JNL043 01+50W		0.34	0.0009	0.05	1.72	24.6	<0.02	<10	70	0.73	0.42	0.72	0.15	44.7	7.3	19
JNL043 02+00W		0.30	0.0004	0.06	0.70	10.8	<0.02	<10	40	0.24	0.14	1.37	0.08	13.00	2.6	6
JNL043 02+50W		0.35	0.0004	0.06	1.37	22.6	<0.02	<10	60	0.44	0.51	0.23	0.11	22.2	6.5	14
JNL043 03+00W		0.40	0.0003	0.08	0.93	29.4	<0.02	<10	40	0.30	0.70	0.11	0.09	30.0	6.5	13
JNL043 03+50W		0.33	0.0021	0.05	0.95	51.7	<0.02	<10	40	0.31	11.75	0.24	0.15	19.55	2.7	12
JNL043 04+00W		0.34	0.0021	0.12	0.35	22.4	<0.02	<10	20	0.10	1.14	0.05	0.13	6.84	1.5	4
JNL043 04+50W		0.38	0.0005	0.07	1.37	9.0	<0.02	<10	70	0.87	0.90	1.43	0.15	37.5	4.1	13
JNL043 05+00W		0.34	0.0012	0.07	1.28	50.0	<0.02	<10	70	0.50	0.77	0.44	0.13	21.9	7.0	12
JNL040 00+00		0.67	0.0048	0.08	1.91	42.8	<0.02	<10	20	0.33	0.40	0.02	0.16	35.6	13.0	24
JNL040 00+50E		0.62	0.0027	0.19	1.43	33.1	<0.02	<10	20	0.17	0.31	0.01	0.05	28.9	6.7	19
JNL040 01+00E		0.61	0.0029	0.14	1.76	46.4	<0.02	<10	20	0.27	0.45	0.02	0.09	35.0	11.0	23
JNL040 01+50E		0.84	0.0023	0.19	1.43	36.2	<0.02	<10	40	0.66	0.50	0.34	0.20	52.6	21.6	23
JNL040 02+00E		0.68	0.0039	0.17	0.88	104.0	<0.02	<10	30	0.35	0.59	0.07	0.31	40.4	15.3	16
JNL040 02+50E		0.69	0.0039	0.10	1.38	34.1	<0.02	<10	50	0.50	0.40	0.08	0.14	36.6	12.1	19
JNL040 03+00E		0.56	0.0018	0.07	0.99	33.4	<0.02	<10	30	0.29	0.46	0.03	0.11	26.8	8.5	15
JNL040 03+50E		0.69	0.0021	0.09	0.80	135.0	<0.02	<10	20	0.19	0.80	0.09	0.14	26.5	8.2	13
JNL040 04+00E		0.56	0.0022	0.12	1.29	130.5	<0.02	<10	30	0.15	0.78	0.02	0.13	24.5	8.9	22
JNL040 04+50E		0.67	0.0020	0.04	0.73	99.8	<0.02	<10	20	0.15	0.68	0.03	0.14	30.1	7.3	14
JNL040 05+00E		0.52	0.0014	0.17	1.32	78.1	<0.02	<10	20	0.19	0.50	0.04	0.09	23.3	5.9	40
JNL040 05+50E		0.62	0.0026	0.08	0.79	149.5	<0.02	<10	30	0.24	1.00	0.08	0.18	30.1	9.3	16
JNL040 06+00E		0.54	0.0017	0.06	2.13	28.3	<0.02	<10	170	0.42	0.38	0.21	0.08	32.1	16.1	112
JNL040 06+50E		Listed, NR														

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL039 06+00E		2.50	23.2	3.47	5.12	0.05	0.11	0.02	0.027	0.03	18.3	61.6	0.64	578	0.86	0.01
JNL039 06+50E		1.46	6.8	1.00	2.45	<0.05	0.05	0.02	0.009	0.02	5.9	15.9	0.17	74	0.26	0.03
JNL039 07+00E		1.20	10.2	1.75	3.67	<0.05	0.03	0.02	0.013	0.03	11.6	30.8	0.35	140	0.48	0.01
JNL039 07+50E		1.24	17.8	2.88	5.38	0.05	0.03	0.02	0.021	0.04	17.3	48.3	0.56	216	0.48	<0.01
JNL039 08+00E		0.86	13.5	3.07	5.09	0.05	0.03	0.02	0.021	0.04	15.7	44.6	0.55	194	0.49	<0.01
JNL039 08+50E		0.92	41.6	3.94	1.83	0.06	0.05	0.07	0.043	0.03	20.4	9.0	0.15	476	0.49	<0.01
JNL039 09+00E		1.26	36.4	7.67	6.71	0.06	<0.02	0.02	0.043	0.03	17.1	5.5	0.09	134	0.92	<0.01
JNL039 09+50E		1.66	20.1	4.66	3.57	<0.05	<0.02	0.01	0.042	0.02	11.9	2.5	0.05	262	0.89	<0.01
JNL039 10+00E		0.67	48.8	5.23	3.61	0.08	0.04	0.02	0.051	0.02	17.9	28.6	0.39	415	0.40	<0.01
JNL039 10+50E		0.95	8.7	1.61	3.86	<0.05	<0.02	0.02	0.013	0.02	13.2	5.6	0.09	111	0.40	<0.01
JNL039 11+00E		1.00	34.9	4.62	4.65	0.06	0.04	0.02	0.052	0.04	18.5	33.0	0.52	915	0.53	<0.01
JNL039 11+50E		1.47	10.2	1.93	4.99	0.05	<0.02	0.02	0.013	0.03	18.7	10.2	0.15	140	0.58	<0.01
JNL039 12+00E		1.40	17.1	3.81	5.97	0.05	0.05	0.02	0.028	0.04	22.4	36.3	0.45	331	0.77	<0.01
JNL039 12+50E		0.97	26.4	3.46	2.53	0.05	0.04	0.02	0.027	0.04	18.4	15.4	0.21	775	0.46	<0.01
JNL039 13+00E		0.92	30.0	3.39	2.27	0.05	0.04	0.02	0.028	0.03	19.7	14.9	0.22	435	0.44	<0.01
JNL043 00+00		1.66	13.8	2.14	4.63	0.05	0.11	0.02	0.026	0.13	16.7	18.2	1.33	426	0.63	<0.01
JNL043 00+50W																
JNL043 01+00W		0.74	9.3	1.34	2.99	0.06	0.06	0.03	0.027	0.08	22.8	12.0	0.64	216	0.36	<0.01
JNL043 01+50W		1.49	11.8	2.05	5.69	0.05	0.06	0.04	0.040	0.10	20.1	26.6	1.05	411	0.36	<0.01
JNL043 02+00W		0.69	6.8	0.72	2.23	<0.05	0.04	0.02	0.015	0.04	6.3	7.0	0.26	120	0.16	0.01
JNL043 02+50W		1.93	8.5	1.76	5.30	<0.05	0.03	0.01	0.036	0.08	9.5	20.0	0.76	458	0.39	<0.01
JNL043 03+00W		1.94	12.4	1.91	4.47	0.06	<0.02	0.01	0.038	0.08	14.6	13.5	0.71	361	0.44	<0.01
JNL043 03+50W		1.30	7.6	1.33	3.79	<0.05	0.06	0.02	0.035	0.07	7.3	11.6	0.73	183	0.40	<0.01
JNL043 04+00W		1.83	8.6	0.54	2.21	<0.05	<0.02	0.02	0.022	0.04	3.7	2.2	0.05	81	0.23	0.01
JNL043 04+50W		0.73	10.2	1.50	4.06	0.07	0.10	0.03	0.029	0.08	21.8	15.2	1.05	248	0.27	<0.01
JNL043 05+00W		4.23	12.7	1.64	5.55	0.05	<0.02	0.03	0.035	0.06	9.3	15.5	0.44	420	0.38	<0.01
JNL040 00+00		1.04	30.8	3.87	5.69	0.07	0.08	0.01	0.032	0.03	20.2	50.2	0.69	421	0.46	<0.01
JNL040 00+50E		1.10	17.7	3.02	5.09	0.06	0.05	0.03	0.021	0.03	16.5	32.9	0.44	220	0.48	<0.01
JNL040 01+00E		1.05	24.3	4.29	5.43	0.07	0.07	0.04	0.027	0.03	18.2	42.5	0.57	367	0.47	<0.01
JNL040 01+50E		1.30	53.0	3.88	4.51	0.10	0.08	0.03	0.034	0.06	28.9	39.0	0.50	407	0.42	<0.01
JNL040 02+00E		0.75	36.1	3.33	2.76	0.09	0.02	0.04	0.042	0.04	21.8	20.5	0.26	264	0.43	<0.01
JNL040 02+50E		1.34	32.5	3.27	3.98	0.06	0.05	0.04	0.037	0.05	19.2	31.6	0.37	317	0.46	<0.01
JNL040 03+00E		1.47	24.4	2.60	4.62	0.05	0.02	0.02	0.025	0.04	14.3	21.8	0.28	322	0.53	<0.01
JNL040 03+50E		1.11	24.3	3.41	4.73	0.06	<0.02	0.03	0.023	0.03	14.2	14.4	0.17	198	0.49	<0.01
JNL040 04+00E		0.80	28.0	5.51	5.36	0.07	<0.02	0.05	0.045	0.02	12.7	21.6	0.29	189	0.53	<0.01
JNL040 04+50E		1.30	21.2	3.17	5.62	0.05	<0.02	0.02	0.025	0.03	16.1	11.7	0.16	197	0.59	<0.01
JNL040 05+00E		1.52	18.4	3.57	7.26	0.06	<0.02	0.03	0.021	0.04	11.8	17.0	0.52	170	0.80	<0.01
JNL040 05+50E		1.67	23.7	3.46	6.38	0.05	<0.02	0.02	0.035	0.04	15.6	13.9	0.25	212	1.08	<0.01
JNL040 06+00E		1.72	24.3	5.78	11.25	0.10	0.12	0.04	0.026	0.10	16.7	34.6	1.71	532	1.55	<0.01
JNL040 06+50E																

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
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Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL039 06+00E		0.18	35.0	580	22.1	4.8	0.001	0.05	0.94	1.6	0.8	<0.2	36.7	<0.01	0.03	4.9
JNL039 06+50E		0.34	8.1	400	7.4	2.7	<0.001	0.08	0.24	0.5	0.5	<0.2	51.8	0.01	0.01	0.6
JNL039 07+00E		0.33	16.6	420	10.1	3.8	<0.001	0.05	0.38	0.8	0.3	<0.2	24.7	<0.01	0.02	2.1
JNL039 07+50E		0.24	24.2	420	21.1	6.0	<0.001	0.03	0.61	1.2	0.3	0.3	24.5	<0.01	0.03	3.9
JNL039 08+00E		0.36	23.9	460	22.2	4.9	<0.001	0.03	0.67	1.2	0.3	0.3	8.7	<0.01	0.03	3.9
JNL039 08+50E		0.14	44.7	790	35.3	3.0	<0.001	0.07	3.96	3.0	1.2	0.3	62.0	<0.01	0.05	6.6
JNL039 09+00E		0.69	17.8	870	43.4	4.9	<0.001	0.04	5.68	0.8	1.1	0.8	6.1	0.01	0.08	1.6
JNL039 09+50E		0.58	21.2	570	56.3	5.3	<0.001	0.03	4.38	0.8	0.6	0.6	25.9	<0.01	0.06	0.9
JNL039 10+00E		0.25	38.4	780	60.2	2.7	<0.001	0.03	2.09	1.8	0.7	0.2	12.5	<0.01	0.04	6.6
JNL039 10+50E		0.21	6.7	620	13.9	5.6	<0.001	0.03	0.69	0.4	0.2	0.3	6.8	<0.01	0.03	1.0
JNL039 11+00E		0.25	31.2	890	70.0	5.7	<0.001	0.03	1.78	1.7	0.5	0.2	9.7	<0.01	0.04	5.7
JNL039 11+50E		0.51	8.3	480	16.4	8.2	<0.001	0.01	0.71	0.5	0.4	0.4	6.7	<0.01	0.02	1.1
JNL039 12+00E		1.03	20.9	320	25.6	7.8	<0.001	<0.01	0.75	1.6	0.4	0.4	6.4	<0.01	0.02	7.3
JNL039 12+50E		0.23	24.6	630	34.9	5.0	<0.001	0.01	1.39	1.5	0.5	0.3	7.7	<0.01	0.03	5.7
JNL039 13+00E		0.19	27.4	510	30.4	4.1	<0.001	0.01	1.34	1.8	0.5	0.3	12.6	<0.01	0.03	7.7
JNL043 00+00		0.24	16.5	1240	11.3	10.4	<0.001	0.05	0.79	2.8	0.9	0.3	242	<0.01	0.01	3.4
JNL043 00+50W																
JNL043 01+00W		0.20	12.2	1760	10.6	7.7	<0.001	0.05	0.90	2.3	0.7	0.2	87.9	0.01	0.01	1.8
JNL043 01+50W		0.75	15.4	760	15.8	15.9	<0.001	0.02	0.80	2.9	0.5	0.8	47.6	<0.01	0.02	3.1
JNL043 02+00W		0.43	5.1	580	5.1	5.1	<0.001	0.05	0.38	0.8	0.3	0.3	80.3	<0.01	0.01	0.5
JNL043 02+50W		0.59	10.3	620	10.4	24.9	<0.001	0.03	0.63	0.8	0.3	1.1	20.3	<0.01	0.01	0.9
JNL043 03+00W		0.35	12.2	400	16.3	21.2	<0.001	0.01	0.69	0.9	<0.2	1.3	9.7	<0.01	0.01	1.7
JNL043 03+50W		0.35	6.7	1070	6.9	15.2	<0.001	0.05	0.26	1.1	<0.2	1.0	20.3	<0.01	0.05	1.3
JNL043 04+00W		0.21	3.8	470	2.9	8.1	<0.001	0.02	0.38	0.3	<0.2	1.5	7.5	<0.01	0.04	<0.2
JNL043 04+50W		0.23	9.5	1640	9.2	14.3	<0.001	0.07	0.23	2.3	0.3	0.5	88.0	<0.01	0.02	1.6
JNL043 05+00W		0.43	11.4	830	10.8	12.4	<0.001	0.05	0.76	0.7	<0.2	1.4	35.8	0.01	0.01	0.4
JNL040 00+00		0.21	32.2	370	38.0	4.3	<0.001	0.01	1.72	1.3	<0.2	0.2	4.6	<0.01	0.04	5.9
JNL040 00+50E		0.19	19.6	690	20.8	5.1	<0.001	0.02	1.29	0.8	<0.2	0.2	3.4	<0.01	0.04	2.7
JNL040 01+00E		0.26	27.5	590	36.3	4.6	<0.001	0.02	1.66	1.2	0.2	0.2	4.3	<0.01	0.05	4.7
JNL040 01+50E		0.16	44.3	580	49.9	4.0	<0.001	0.04	2.32	3.1	0.4	0.4	39.8	<0.01	0.07	11.6
JNL040 02+00E		0.12	31.3	440	47.9	3.5	<0.001	0.04	2.21	1.6	0.4	0.3	24.8	<0.01	0.05	7.4
JNL040 02+50E		0.28	29.9	510	35.3	5.9	<0.001	0.01	1.90	1.7	<0.2	0.4	26.2	<0.01	0.05	5.2
JNL040 03+00E		0.25	18.8	790	33.2	6.3	<0.001	0.03	1.44	0.8	<0.2	0.3	10.6	<0.01	0.06	1.5
JNL040 03+50E		0.26	20.6	750	22.4	6.4	<0.001	0.02	1.54	0.6	0.3	0.4	10.3	<0.01	0.05	0.7
JNL040 04+00E		0.68	25.3	720	54.6	4.5	<0.001	0.04	1.74	1.0	0.4	0.4	6.8	<0.01	0.06	1.6
JNL040 04+50E		0.43	16.0	590	27.0	7.0	<0.001	0.02	1.59	0.5	0.2	0.5	7.3	<0.01	0.05	0.7
JNL040 05+00E		0.47	16.5	540	30.8	5.6	<0.001	0.04	1.21	0.8	<0.2	1.2	7.7	<0.01	0.03	0.3
JNL040 05+50E		0.48	20.3	570	38.6	9.5	<0.001	0.03	1.80	0.8	0.2	0.6	14.8	<0.01	0.07	0.8
JNL040 06+00E		13.00	113.0	940	30.6	9.7	<0.001	0.04	0.67	2.6	0.4	1.1	30.8	0.01	0.04	2.6
JNL040 06+50E																

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL039 06+00E		0.005	0.05	4.04	15	0.05	6.03	93	3.2
JNL039 06+50E		0.012	0.04	2.30	7	<0.05	1.65	24	1.6
JNL039 07+00E		0.007	0.05	0.93	11	0.06	2.01	44	1.1
JNL039 07+50E		0.005	0.07	0.70	16	0.06	2.43	65	1.0
JNL039 08+00E		0.008	0.07	0.72	17	0.07	1.96	70	1.0
JNL039 08+50E		<0.005	0.16	2.32	12	0.33	9.83	107	1.7
JNL039 09+00E		0.020	0.37	0.56	25	0.22	1.81	56	<0.5
JNL039 09+50E		0.015	0.20	1.01	24	0.37	2.44	96	<0.5
JNL039 10+00E		0.006	0.08	1.09	15	0.18	4.72	113	1.2
JNL039 10+50E		0.006	0.08	0.42	13	0.23	1.17	28	<0.5
JNL039 11+00E		0.005	0.07	0.89	14	0.15	4.20	106	1.1
JNL039 11+50E		0.009	0.09	0.51	17	0.25	1.83	30	<0.5
JNL039 12+00E		0.011	0.11	0.73	21	0.49	3.06	62	1.5
JNL039 12+50E		0.005	0.17	1.30	12	0.20	5.70	96	1.1
JNL039 13+00E		<0.005	0.16	1.45	12	0.21	7.68	85	1.0
JNL043 00+00		0.005	0.11	0.46	14	<0.05	10.20	56	4.2
JNL043 00+50W									
JNL043 01+00W		<0.005	0.19	0.53	10	<0.05	12.05	37	2.0
JNL043 01+50W		0.014	0.11	0.55	18	0.10	9.63	56	2.1
JNL043 02+00W		0.012	0.05	0.36	9	<0.05	3.76	21	1.5
JNL043 02+50W		0.014	0.08	0.38	17	0.10	2.06	38	0.9
JNL043 03+00W		0.010	0.10	0.41	15	0.07	2.20	41	<0.5
JNL043 03+50W		0.009	0.06	0.38	12	0.06	2.23	34	1.5
JNL043 04+00W		0.011	0.06	0.25	9	0.09	0.71	15	<0.5
JNL043 04+50W		0.006	0.10	0.49	11	0.05	10.25	47	3.0
JNL043 05+00W		0.014	0.10	0.54	16	0.12	2.86	43	<0.5
JNL040 00+00		0.005	0.04	0.82	16	0.05	2.64	98	2.6
JNL040 00+50E		<0.005	0.05	0.59	15	<0.05	1.68	57	1.3
JNL040 01+00E		0.005	0.04	0.64	16	0.05	2.43	82	2.1
JNL040 01+50E		0.005	0.10	1.34	18	0.12	9.03	99	4.2
JNL040 02+00E		<0.005	0.10	1.49	12	0.28	5.05	97	0.5
JNL040 02+50E		<0.005	0.10	1.26	15	0.23	4.44	95	1.4
JNL040 03+00E		0.007	0.06	0.78	18	0.14	2.67	64	0.5
JNL040 03+50E		0.008	0.14	0.69	19	0.17	2.21	63	<0.5
JNL040 04+00E		0.011	0.11	0.72	20	0.19	2.40	80	<0.5
JNL040 04+50E		0.012	0.08	0.60	27	0.16	2.08	63	<0.5
JNL040 05+00E		0.022	0.10	0.66	38	0.16	2.09	53	<0.5
JNL040 05+50E		0.017	0.11	0.73	33	0.19	2.95	79	<0.5
JNL040 06+00E		0.277	0.08	0.68	76	0.10	3.59	73	7.0
JNL040 06+50E									

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL040 07+00E		0.66	0.0011	0.05	0.98	20.9	<0.02	<10	30	0.32	0.64	0.02	0.10	29.0	9.6	15
JNL040 07+50E		0.58	0.0018	0.10	0.82	59.7	<0.02	<10	30	0.31	0.44	0.09	0.07	21.7	8.3	10
JNL040 08+00E		0.58	0.0006	0.06	0.47	44.2	<0.02	<10	30	0.41	0.17	0.15	0.54	17.60	8.7	6
JNL040 08+50E		0.63	0.0115	0.03	1.07	102.0	<0.02	<10	30	0.15	0.74	0.08	0.14	31.1	5.0	15
JNL040 09+00E		0.72	0.0063	0.18	1.32	118.0	<0.02	<10	50	0.69	0.58	0.12	0.12	33.1	9.4	16
JNL040 09+50E		0.67	0.0235	0.13	1.24	210	<0.02	<10	40	0.26	0.88	0.04	0.13	30.3	9.6	19
JNL040 10+00E		0.58	0.0060	0.05	1.15	95.1	<0.02	<10	30	0.20	0.60	0.02	0.12	23.1	8.6	18
JNL040 10+50E		0.68	0.0056	0.17	1.62	95.4	<0.02	<10	40	1.10	0.46	0.42	0.34	45.7	11.4	21
JNL040 11+00E		0.66	0.0057	0.03	1.50	59.1	<0.02	<10	40	0.45	0.72	0.07	0.22	31.6	10.3	20
JNL042 00+00		0.65	0.0004	0.04	1.89	5.2	<0.02	<10	50	1.06	0.13	0.64	0.12	60.3	6.5	25
JNL042 00+50W		0.50	0.0003	0.03	1.70	5.3	<0.02	<10	40	1.09	0.11	0.66	0.22	84.3	7.7	21
JNL042 01+00W		0.57	0.0004	0.03	1.83	5.1	<0.02	<10	60	1.08	0.13	0.61	0.23	78.9	6.4	22
JNL042 01+50W		0.50	0.0002	0.02	1.30	2.6	<0.02	<10	50	0.54	0.08	0.76	0.14	33.0	2.7	10
JNL042 02+00W		0.51	0.0003	0.01	1.83	4.7	<0.02	<10	50	1.02	0.12	0.54	0.16	76.4	5.2	16
JNL042 02+50W		0.46	0.0004	0.02	1.79	7.4	<0.02	<10	110	0.81	0.20	0.62	0.15	49.4	6.1	17
JNL042 03+00W		0.48	0.0005	0.04	1.56	6.5	<0.02	<10	80	1.24	0.17	1.44	0.17	60.9	9.3	17
JNL042 03+50W		0.56	0.0008	0.05	1.62	7.4	<0.02	<10	70	1.11	0.16	2.12	0.09	45.8	6.7	18
JNL042 04+00W		0.55	0.0006	0.05	1.87	7.0	<0.02	<10	100	1.31	0.14	6.07	0.10	46.6	12.2	19
JNL042 04+50W		0.47	0.0004	0.03	1.89	3.5	<0.02	<10	50	1.05	0.08	4.55	0.13	41.8	7.9	20
JNL042 05+00W		0.49	0.0003	0.05	1.63	7.8	<0.02	<10	80	0.86	0.13	1.37	0.18	43.0	4.9	15
JNL041 00+00		0.45	0.0032	0.08	1.41	122.0	<0.02	<10	20	0.30	0.37	0.04	0.23	37.4	14.7	21
JNL041 00+50E		0.41	0.0008	0.11	0.60	18.1	<0.02	<10	30	0.13	0.18	0.02	0.08	13.95	6.1	10
JNL041 01+00E		0.44	0.0014	0.25	1.29	36.3	<0.02	<10	20	0.23	0.39	0.04	0.16	21.5	8.5	18
JNL041 01+50E		0.46	0.0054	0.11	0.64	301	<0.02	<10	20	0.44	0.57	0.07	0.17	43.4	20.4	15
JNL041 02+00E		0.53	0.0099	0.23	1.04	245	<0.02	<10	30	0.57	0.87	0.11	0.23	46.0	21.8	18
JNL041 02+50E		0.54	0.0025	0.14	1.34	57.1	<0.02	<10	50	0.47	0.47	0.24	0.10	33.2	9.5	18
JNL041 03+00E		0.40	0.0014	0.12	1.33	46.8	<0.02	<10	20	0.20	0.35	0.12	0.11	24.0	7.9	21
JNL041 03+50E		0.42	0.0063	0.18	1.99	209	<0.02	<10	70	1.24	0.78	0.14	0.28	40.1	34.4	23
JNL041 04+00E		0.42	0.0064	0.25	1.75	128.5	<0.02	<10	40	0.52	0.58	0.03	0.24	35.6	12.1	24
JNL041 04+50E		0.35	0.0050	0.40	1.02	223	<0.02	<10	40	0.32	0.90	0.05	0.33	31.0	11.2	20
JNL041 05+00E		0.40	0.0029	0.07	0.72	21.3	<0.02	<10	20	0.11	0.26	0.01	0.05	21.5	3.4	10
JNL041 05+50E		0.39	0.0008	0.03	1.46	59.6	<0.02	<10	20	0.14	0.61	0.01	0.05	30.0	6.7	24
JNL041 06+00E		0.48	0.0023	0.04	1.80	71.6	<0.02	<10	30	0.41	0.58	0.04	0.13	37.2	13.6	28
JNL041 06+50E		0.39	0.0016	0.12	1.21	84.7	<0.02	<10	30	0.16	0.44	0.02	0.08	27.8	5.7	20
JNL041 07+00E		0.51	0.0020	0.04	1.91	51.8	<0.02	<10	20	0.32	0.38	0.09	0.16	26.8	18.1	29
JNL041 07+50E		0.46	0.0011	0.16	1.44	40.1	<0.02	<10	40	0.27	0.51	0.05	0.09	30.7	8.2	34
JNL041 08+00E		0.45	0.0010	0.13	1.67	40.6	<0.02	<10	30	0.28	0.51	0.03	0.09	26.4	10.7	25
JNL041 08+50E		0.43	0.0019	0.03	1.70	161.0	<0.02	<10	30	0.35	0.94	0.01	0.08	34.3	13.7	25
JNL041 09+00E		0.39	0.0013	0.12	1.14	79.1	<0.02	<10	20	0.22	0.40	0.01	0.04	18.90	6.4	16
JNL041 09+50E		0.44	0.0011	0.14	1.76	27.7	<0.02	<10	30	0.32	0.44	0.02	0.05	29.3	8.8	27

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL040 07+00E		4.88	17.9	3.07	5.76	0.06	<0.02	0.02	0.019	0.03	15.1	15.7	0.18	762	1.34	<0.01
JNL040 07+50E		5.81	16.3	1.95	3.58	<0.05	<0.02	0.02	0.016	0.03	13.0	14.6	0.19	250	1.03	<0.01
JNL040 08+00E		1.15	10.6	3.75	3.08	<0.05	<0.02	0.01	0.017	0.01	7.5	8.0	0.13	4320	1.93	<0.01
JNL040 08+50E		1.98	11.2	2.83	6.18	0.06	<0.02	0.02	0.016	0.03	16.5	17.9	0.32	143	0.80	<0.01
JNL040 09+00E		4.57	22.4	3.18	4.63	0.07	0.02	0.02	0.028	0.04	17.2	28.3	0.50	316	0.75	<0.01
JNL040 09+50E		1.91	19.7	4.76	5.39	0.07	<0.02	0.04	0.034	0.03	14.6	20.1	0.31	400	0.82	<0.01
JNL040 10+00E		1.39	21.7	3.46	5.67	0.05	0.02	0.04	0.020	0.04	10.5	17.7	0.54	256	0.83	<0.01
JNL040 10+50E		14.35	48.7	3.40	3.98	0.10	0.13	0.04	0.041	0.06	33.0	31.4	0.70	603	0.98	<0.01
JNL040 11+00E		1.34	22.3	4.32	5.43	0.06	0.02	0.03	0.033	0.04	14.7	24.1	0.39	480	0.63	<0.01
JNL042 00+00		1.29	10.2	2.09	6.77	0.15	0.06	0.01	0.037	0.08	31.2	32.0	1.91	362	0.36	<0.01
JNL042 00+50W		1.48	8.5	2.07	5.66	0.15	0.06	0.01	0.038	0.08	25.7	29.1	1.75	537	0.37	<0.01
JNL042 01+00W		1.36	6.2	2.11	5.20	0.12	0.07	0.03	0.038	0.04	26.9	26.5	1.21	379	0.37	<0.01
JNL042 01+50W		0.76	5.3	1.08	3.75	0.09	0.06	0.02	0.018	0.04	13.3	15.8	0.76	165	0.15	0.01
JNL042 02+00W		1.25	4.0	1.71	4.70	0.10	0.07	0.02	0.039	0.04	21.0	22.6	1.00	268	0.28	<0.01
JNL042 02+50W		0.61	6.5	2.34	5.89	0.08	0.05	0.03	0.036	0.08	18.5	22.3	1.02	246	0.73	<0.01
JNL042 03+00W		0.65	11.3	2.28	4.58	0.12	0.10	0.02	0.036	0.13	31.9	19.9	1.44	326	0.56	<0.01
JNL042 03+50W		0.52	10.3	1.94	4.76	0.12	0.09	0.02	0.031	0.11	23.9	24.3	1.62	268	0.33	<0.01
JNL042 04+00W		0.44	11.4	2.10	5.13	0.11	0.21	0.02	0.027	0.13	21.6	25.4	2.09	352	0.49	<0.01
JNL042 04+50W		0.70	12.9	1.89	5.55	0.14	0.17	0.02	0.024	0.12	20.4	37.7	2.44	298	0.41	<0.01
JNL042 05+00W		0.60	8.6	1.59	4.74	0.11	0.10	0.03	0.034	0.08	22.7	22.1	1.56	294	0.24	0.01
JNL041 00+00		1.16	29.3	3.95	4.62	0.10	0.03	0.02	0.033	0.03	19.8	29.5	0.40	362	0.44	<0.01
JNL041 00+50E		0.95	14.6	1.71	2.86	0.07	<0.02	0.03	0.011	0.02	7.6	11.6	0.15	1380	0.35	0.01
JNL041 01+00E		1.32	23.6	4.09	4.69	0.08	0.04	0.02	0.023	0.03	11.9	24.3	0.33	223	0.51	<0.01
JNL041 01+50E		0.61	45.0	3.89	2.21	0.11	<0.02	0.02	0.024	0.04	22.7	13.1	0.20	477	0.31	<0.01
JNL041 02+00E		1.31	51.8	4.91	3.26	0.11	0.02	0.03	0.032	0.05	22.8	16.7	0.21	384	0.44	<0.01
JNL041 02+50E		2.31	23.9	2.98	5.18	0.09	0.02	0.02	0.034	0.04	17.4	29.5	0.30	357	0.70	<0.01
JNL041 03+00E		1.21	17.9	3.19	4.79	0.08	0.03	0.01	0.024	0.03	13.0	29.6	0.45	236	0.56	<0.01
JNL041 03+50E		4.84	79.9	4.78	5.35	0.11	0.09	0.03	0.073	0.07	21.7	39.2	0.49	886	0.93	<0.01
JNL041 04+00E		2.30	42.8	4.03	5.03	0.09	0.06	0.02	0.050	0.05	19.4	41.8	0.50	259	0.51	<0.01
JNL041 04+50E		1.95	44.2	3.75	4.95	0.08	0.02	0.02	0.090	0.06	14.7	12.8	0.18	323	0.62	<0.01
JNL041 05+00E		1.30	10.3	1.77	3.51	0.07	<0.02	0.02	0.013	0.03	11.8	8.6	0.11	123	0.44	<0.01
JNL041 05+50E		1.28	19.0	3.87	6.55	0.08	0.02	0.01	0.020	0.03	16.9	37.9	0.51	196	0.43	<0.01
JNL041 06+00E		1.34	41.5	4.40	5.87	0.10	0.05	0.02	0.031	0.04	20.5	58.1	0.74	317	0.63	<0.01
JNL041 06+50E		1.71	16.5	2.92	5.42	0.08	<0.02	0.02	0.023	0.03	15.1	23.1	0.30	167	0.89	<0.01
JNL041 07+00E		0.95	28.0	3.95	5.56	0.11	0.07	0.01	0.024	0.03	14.5	63.3	0.80	391	0.29	<0.01
JNL041 07+50E		2.21	20.8	3.45	6.75	0.08	<0.02	0.02	0.024	0.05	17.4	34.4	0.52	262	0.80	<0.01
JNL041 08+00E		1.95	21.7	4.02	5.86	0.09	0.02	0.02	0.025	0.03	14.5	45.2	0.58	362	0.59	<0.01
JNL041 08+50E		3.91	35.5	5.20	6.08	0.09	0.05	0.02	0.035	0.04	18.0	40.3	0.54	507	0.82	<0.01
JNL041 09+00E		2.56	21.4	2.61	4.06	0.07	0.03	0.03	0.018	0.03	10.5	25.1	0.34	258	0.53	0.01
JNL041 09+50E		2.50	27.7	3.56	6.04	0.09	0.04	0.03	0.021	0.04	16.5	50.8	0.64	272	0.54	<0.01

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL040 07+00E		0.70	14.4	480	39.3	9.4	<0.001	0.02	0.92	0.7	<0.2	0.8	5.7	<0.01	0.05	0.7
JNL040 07+50E		0.39	13.3	500	49.3	6.9	<0.001	0.02	1.23	0.6	0.2	0.4	14.8	<0.01	0.04	0.8
JNL040 08+00E		0.17	9.1	960	88.0	1.7	<0.001	0.03	1.09	0.8	<0.2	<0.2	20.0	<0.01	0.04	2.0
JNL040 08+50E		0.70	13.0	360	25.5	5.4	<0.001	0.02	0.82	0.7	<0.2	0.6	17.7	<0.01	0.04	0.7
JNL040 09+00E		0.46	17.5	720	37.4	6.7	<0.001	0.03	1.09	1.2	0.3	0.4	26.4	<0.01	0.04	1.5
JNL040 09+50E		0.70	19.4	820	65.3	6.8	<0.001	0.03	1.55	0.8	0.5	0.5	7.1	0.01	0.05	1.2
JNL040 10+00E		0.41	17.8	1000	24.8	8.4	<0.001	0.03	1.59	0.7	0.3	0.4	6.6	<0.01	0.05	0.9
JNL040 10+50E		0.25	25.8	1220	34.8	7.1	<0.001	0.06	1.39	3.8	1.4	0.2	51.5	<0.01	0.05	4.2
JNL040 11+00E		0.43	19.8	810	37.3	7.0	<0.001	0.04	1.10	1.0	0.2	0.4	9.0	<0.01	0.04	2.3
JNL042 00+00		0.18	16.5	1360	11.1	14.9	<0.001	0.02	0.25	5.3	0.8	0.3	49.7	<0.01	0.01	3.8
JNL042 00+50W		0.11	15.1	1670	14.1	11.8	<0.001	0.02	0.24	3.5	0.6	0.2	44.8	<0.01	0.01	4.5
JNL042 01+00W		0.22	12.4	1230	13.9	8.0	<0.001	0.03	0.21	3.6	0.6	0.3	42.9	<0.01	0.01	3.3
JNL042 01+50W		0.23	6.4	940	7.0	7.2	<0.001	0.04	0.15	1.8	0.4	0.2	49.4	0.01	0.01	0.9
JNL042 02+00W		0.18	9.4	980	12.1	6.4	<0.001	0.01	0.16	3.1	0.6	0.3	40.1	<0.01	0.01	4.5
JNL042 02+50W		0.41	10.5	410	14.7	12.1	<0.001	0.02	0.28	2.3	0.4	0.5	40.6	<0.01	0.01	3.4
JNL042 03+00W		0.17	17.6	1550	12.4	13.1	<0.001	0.06	0.31	3.4	0.7	0.3	88.7	<0.01	0.02	2.4
JNL042 03+50W		0.20	14.4	1260	10.8	10.4	<0.001	0.08	0.34	2.0	0.7	0.3	111.5	<0.01	0.01	1.4
JNL042 04+00W		0.13	17.0	1540	12.2	10.2	<0.001	0.06	0.40	3.0	0.7	0.3	325	<0.01	0.01	3.1
JNL042 04+50W		0.15	14.7	1540	9.3	12.0	<0.001	0.08	0.24	2.8	0.7	0.2	196.0	<0.01	0.01	2.2
JNL042 05+00W		0.22	10.6	1260	10.3	12.2	<0.001	0.09	0.19	2.0	0.7	0.3	73.8	<0.01	0.01	1.1
JNL041 00+00		0.62	29.8	700	39.3	3.5	<0.001	0.02	1.97	1.0	0.4	0.6	10.5	<0.01	0.04	2.6
JNL041 00+50E		0.09	11.2	960	15.8	3.1	<0.001	0.03	0.85	0.2	0.2	0.2	5.2	<0.01	0.02	<0.2
JNL041 01+00E		0.26	23.5	1100	38.2	4.0	<0.001	0.04	2.86	0.8	0.4	0.3	13.9	<0.01	0.06	1.5
JNL041 01+50E		0.08	39.8	470	26.2	2.5	<0.001	0.02	1.72	2.0	0.5	0.4	19.3	<0.01	0.04	6.9
JNL041 02+00E		0.32	45.0	590	36.0	5.6	<0.001	0.05	2.15	2.4	0.9	0.4	19.5	<0.01	0.05	5.0
JNL041 02+50E		0.41	22.5	880	42.2	10.6	<0.001	0.04	1.04	0.9	0.6	0.6	21.4	<0.01	0.04	1.2
JNL041 03+00E		0.40	23.6	480	28.3	5.4	<0.001	0.02	1.04	1.2	0.3	0.3	12.7	<0.01	0.03	2.0
JNL041 03+50E		0.29	49.9	800	98.9	12.5	<0.001	0.03	2.14	2.8	1.0	1.1	23.4	<0.01	0.07	7.6
JNL041 04+00E		0.34	35.6	500	62.5	7.6	<0.001	0.02	1.67	1.9	0.4	0.8	10.0	<0.01	0.04	7.3
JNL041 04+50E		0.28	28.9	1170	132.5	10.2	<0.001	0.05	2.18	0.8	0.5	0.7	16.5	<0.01	0.05	0.7
JNL041 05+00E		0.32	8.2	560	18.1	5.4	<0.001	0.02	0.62	0.3	0.2	0.4	4.5	<0.01	0.01	0.4
JNL041 05+50E		0.51	24.2	520	20.3	4.3	<0.001	0.03	0.90	0.9	0.3	0.4	5.2	<0.01	0.05	2.5
JNL041 06+00E		0.28	42.6	530	44.2	5.1	<0.001	0.02	1.51	1.5	0.3	0.3	9.5	<0.01	0.05	5.9
JNL041 06+50E		0.41	16.6	750	32.8	6.4	<0.001	0.04	0.72	0.5	0.4	0.4	9.4	<0.01	0.04	0.9
JNL041 07+00E		0.32	35.1	550	38.6	3.6	<0.001	0.01	0.79	1.5	0.3	0.2	12.8	<0.01	0.05	6.4
JNL041 07+50E		1.18	27.0	640	27.6	8.8	<0.001	0.05	0.86	0.6	0.4	0.5	10.9	<0.01	0.04	0.4
JNL041 08+00E		0.69	26.7	670	21.6	5.6	<0.001	0.03	0.88	1.0	0.4	0.4	7.5	0.01	0.06	2.5
JNL041 08+50E		0.47	27.3	720	35.2	8.8	<0.001	0.03	1.56	1.3	0.4	0.4	6.3	<0.01	0.08	4.9
JNL041 09+00E		0.29	15.8	750	20.6	4.0	<0.001	0.03	0.61	0.6	0.3	0.2	4.3	<0.01	0.08	1.5
JNL041 09+50E		0.43	27.8	580	28.1	7.4	<0.001	0.03	0.75	1.2	0.4	0.3	8.9	<0.01	0.06	3.7

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL040 07+00E		0.021	0.09	0.83	29	0.25	2.50	64	<0.5
JNL040 07+50E		0.011	0.08	0.96	18	0.14	3.00	48	<0.5
JNL040 08+00E		0.009	0.03	0.77	13	0.06	3.09	47	0.5
JNL040 08+50E		0.018	0.09	0.60	27	0.34	1.91	41	<0.5
JNL040 09+00E		0.012	0.13	1.21	18	0.17	6.13	53	<0.5
JNL040 09+50E		0.012	0.11	0.64	20	0.21	2.14	57	<0.5
JNL040 10+00E		0.007	0.09	0.55	24	0.08	1.83	70	0.8
JNL040 10+50E		0.006	0.11	7.52	14	0.12	34.4	139	3.4
JNL040 11+00E		0.007	0.09	0.73	17	0.23	2.81	74	0.8
JNL042 00+00		0.006	0.10	0.44	21	<0.05	17.90	61	1.6
JNL042 00+50W		<0.005	0.08	0.47	18	0.06	11.70	53	2.0
JNL042 01+00W		0.005	0.06	0.53	20	0.05	12.70	57	2.0
JNL042 01+50W		0.008	0.04	0.39	13	<0.05	7.40	33	1.9
JNL042 02+00W		<0.005	0.06	0.45	12	<0.05	9.65	23	2.1
JNL042 02+50W		0.006	0.11	0.44	21	0.06	5.96	46	1.6
JNL042 03+00W		0.005	0.10	0.54	12	<0.05	13.60	73	2.7
JNL042 03+50W		0.005	0.08	0.40	13	<0.05	13.35	51	2.7
JNL042 04+00W		<0.005	0.10	0.60	13	<0.05	10.50	58	5.6
JNL042 04+50W		0.005	0.09	0.44	14	<0.05	11.15	50	4.8
JNL042 05+00W		0.007	0.07	0.46	12	<0.05	12.05	59	2.6
JNL041 00+00		0.012	0.05	0.82	20	0.08	2.97	94	0.8
JNL041 00+50E		0.008	0.06	0.51	12	0.07	1.27	38	<0.5
JNL041 01+00E		0.006	0.05	1.00	19	0.29	2.38	82	0.9
JNL041 01+50E		<0.005	0.14	1.28	12	0.29	7.39	92	<0.5
JNL041 02+00E		0.012	0.27	1.69	17	0.28	8.49	107	0.5
JNL041 02+50E		0.011	0.13	1.94	21	0.20	6.53	70	0.5
JNL041 03+00E		0.012	0.07	0.81	19	0.16	2.28	82	0.7
JNL041 03+50E		0.007	0.20	4.78	19	0.18	13.15	155	2.6
JNL041 04+00E		0.006	0.15	1.52	19	0.15	4.62	104	1.6
JNL041 04+50E		0.011	0.34	1.35	25	0.36	3.95	120	<0.5
JNL041 05+00E		0.009	0.08	0.46	17	0.14	1.30	30	<0.5
JNL041 05+50E		0.013	0.07	0.64	27	0.12	2.12	62	0.5
JNL041 06+00E		0.009	0.08	0.97	20	0.10	3.80	102	1.1
JNL041 06+50E		0.012	0.10	0.65	22	0.16	1.88	48	<0.5
JNL041 07+00E		0.011	0.05	0.63	18	0.07	2.89	98	1.9
JNL041 07+50E		0.038	0.09	0.71	33	0.12	2.45	63	<0.5
JNL041 08+00E		0.015	0.07	0.65	19	0.08	2.73	64	0.7
JNL041 08+50E		0.008	0.10	0.94	19	0.09	3.12	76	1.1
JNL041 09+00E		0.009	0.05	0.63	13	0.06	1.75	45	1.0
JNL041 09+50E		0.010	0.07	0.69	20	0.08	2.58	70	1.3

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	WEI-21	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
JNL041 10+00E		0.39	0.0011	0.20	0.83	8.8	<0.02	<10	20	0.21	0.53	0.01	0.05	18.85	5.1	10
JNL041 10+50E		0.40	0.0016	0.07	1.18	25.4	<0.02	<10	30	0.14	0.40	0.01	0.05	39.6	2.8	14
JNL041 11+00E		0.42	0.0013	0.15	1.12	22.7	<0.02	<10	30	0.19	0.51	0.02	0.04	30.6	4.0	15
JNL041 11+50E		0.42	0.0021	0.14	1.46	63.5	<0.02	<10	40	0.27	0.54	0.02	0.09	27.4	6.5	18
JNL041 12+00E		0.43	0.0042	0.07	1.34	151.5	<0.02	<10	40	0.22	0.84	0.06	0.14	29.9	10.3	25
JNL041 12+50E		0.39	0.0030	0.11	1.76	59.8	<0.02	<10	40	0.55	0.69	0.05	0.15	37.0	12.6	23
JNL041 13+00E		0.42	0.0036	0.10	1.01	41.0	<0.02	<10	40	0.44	0.32	0.07	0.16	43.3	15.3	14
JNL041 13+50E		0.44	0.0026	0.13	0.79	44.6	<0.02	<10	20	0.45	0.34	0.13	0.27	38.1	13.9	17
JNL041 14+00E		0.46	0.0024	0.08	0.84	42.7	<0.02	<10	20	0.54	0.35	0.08	0.21	35.2	12.5	16
JNL041 14+50E		0.45	0.0037	0.13	1.10	42.2	<0.02	<10	30	0.57	0.37	0.09	0.14	41.4	11.4	20
JNL041 15+00E		0.54	0.0053	0.13	0.75	44.2	<0.02	<10	30	0.56	0.37	0.10	0.07	50.7	11.5	18
JNL044 00+00		Listed, NR														
JNL044 00+50W		0.41	NSS	0.02	0.55	1.6	<0.02	<10	50	0.24	0.05	2.10	0.21	12.85	2.4	7
JNL044 01+00W		0.50	0.0005	0.04	0.76	5.3	<0.02	<10	40	0.42	0.13	1.62	0.12	29.6	4.5	8
JNL044 01+50W		0.52	0.0005	0.05	1.17	18.4	<0.02	<10	50	0.55	0.33	0.52	0.06	27.1	4.3	14
JNL044 02+00W		0.57	0.0017	0.11	1.68	53.4	<0.02	<10	60	0.81	0.86	1.27	0.41	42.3	9.0	21
JNL044 02+50W		0.57	0.0006	0.04	1.32	30.6	<0.02	<10	50	0.63	0.68	0.24	0.10	51.0	7.6	20
JNL044 03+00W		0.53	0.0004	0.04	1.42	19.7	<0.02	<10	70	0.61	0.43	0.27	0.16	44.3	4.3	17
JNL044 03+50W		0.64	0.0033	0.10	1.64	88.4	<0.02	<10	50	0.77	14.05	0.34	0.17	37.8	6.4	21
JNL044 04+00W		0.50	0.0017	0.14	0.55	23.4	<0.02	<10	30	0.14	3.61	0.06	0.27	7.99	1.5	7
JNL044 04+50W		0.53	0.0007	0.05	1.01	7.4	<0.02	<10	50	0.39	0.74	0.63	0.05	19.75	2.0	8
JNL044 05+00W		0.47	0.0009	0.11	1.90	60.3	<0.02	<10	90	0.71	0.80	0.22	0.28	33.3	11.7	21
JNL045 00+00		0.46	0.0351	0.28	1.32	195.5	0.04	<10	40	0.75	3.76	0.50	0.30	48.8	15.4	19
JNL045 00+50E		0.31	0.0026	0.08	1.22	84.0	<0.02	<10	70	0.57	4.89	0.37	0.11	37.4	8.1	14
JNL045 01+00E		0.39	0.0027	0.13	0.83	81.4	<0.02	<10	60	0.25	4.51	0.26	0.41	26.1	3.8	14
JNL045 01+50E		0.44	0.0064	0.23	2.05	169.5	<0.02	<10	30	0.87	15.25	0.19	0.37	51.5	8.6	21
JNL045 02+00E		0.67	0.0004	0.08	1.23	15.0	<0.02	<10	50	0.46	0.36	0.18	0.20	37.9	4.4	16
JNL045 02+50E		0.51	0.0010	0.07	1.12	19.2	<0.02	<10	40	0.36	0.51	0.09	0.25	33.3	3.4	15
JNL045 03+00E		0.48	0.0013	0.13	1.45	32.0	<0.02	<10	40	0.76	0.55	0.39	0.19	51.6	8.9	20
JNL045 03+50E		0.44	0.0019	0.09	1.83	33.5	<0.02	<10	60	0.87	0.47	1.23	0.13	41.6	7.2	22
JNL045 04+00E		0.44	0.0003	0.05	0.96	6.8	<0.02	<10	30	0.53	0.14	1.85	0.11	45.1	5.2	14
JNL045 04+50E		Listed, NR														
JNL045 05+00E		Listed, NR														

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

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
JNL041 10+00E		6.58	22.6	2.71	5.14	0.07	<0.02	0.02	0.017	0.03	10.9	6.4	0.10	183	0.70	0.01
JNL041 10+50E		7.37	5.9	2.05	5.08	0.09	<0.02	0.01	0.012	0.03	21.8	20.9	0.23	116	0.46	<0.01
JNL041 11+00E		5.72	8.1	1.95	6.77	0.08	<0.02	0.02	0.014	0.04	16.5	16.0	0.27	140	0.80	<0.01
JNL041 11+50E		4.36	15.5	3.50	5.67	0.08	<0.02	0.03	0.038	0.03	14.1	16.4	0.26	174	0.73	<0.01
JNL041 12+00E		5.11	22.4	5.53	6.88	0.09	<0.02	0.04	0.039	0.05	15.0	16.1	0.38	286	1.02	<0.01
JNL041 12+50E		6.57	30.3	4.13	5.60	0.06	0.02	0.03	0.036	0.06	16.5	25.0	0.42	530	0.91	<0.01
JNL041 13+00E		1.00	37.5	3.04	2.71	0.06	0.03	0.02	0.032	0.04	21.1	20.1	0.26	428	0.35	0.01
JNL041 13+50E		0.88	25.9	3.62	2.59	0.06	0.02	0.02	0.030	0.04	17.1	19.0	0.28	500	0.44	<0.01
JNL041 14+00E		0.84	24.6	3.60	2.57	0.05	0.04	0.02	0.033	0.03	16.7	20.3	0.27	431	0.38	<0.01
JNL041 14+50E		1.19	30.1	3.60	3.06	0.06	0.05	0.01	0.032	0.04	21.6	26.0	0.35	267	0.44	<0.01
JNL041 15+00E		0.92	37.1	4.25	2.33	0.07	0.03	0.02	0.035	0.04	25.9	16.5	0.23	258	0.40	<0.01
JNL044 00+00																
JNL044 00+50W		0.36	4.8	0.53	1.46	<0.05	0.06	0.04	0.007	0.04	5.8	4.2	0.28	235	0.33	0.02
JNL044 01+00W		0.58	10.1	0.96	2.15	0.05	0.05	0.03	0.018	0.05	14.2	8.6	0.36	296	0.20	0.02
JNL044 01+50W		1.16	7.0	1.46	3.48	0.05	0.03	0.02	0.027	0.05	12.9	17.1	0.55	155	0.25	0.01
JNL044 02+00W		2.16	17.0	2.29	4.80	0.07	0.06	0.03	0.048	0.10	21.1	25.6	0.72	456	0.32	0.04
JNL044 02+50W		2.16	12.4	2.41	4.66	0.06	0.02	0.01	0.059	0.08	18.4	19.6	0.63	259	0.45	<0.01
JNL044 03+00W		1.81	9.1	1.97	4.35	0.05	0.05	0.02	0.045	0.08	17.3	19.6	1.05	224	0.35	<0.01
JNL044 03+50W		4.00	18.5	2.48	5.18	0.05	0.02	0.01	0.086	0.08	16.3	24.7	0.98	275	0.48	<0.01
JNL044 04+00W		3.04	4.5	0.64	2.66	<0.05	<0.02	0.02	0.027	0.04	3.7	4.6	0.12	125	0.26	0.01
JNL044 04+50W		1.25	4.9	0.92	2.93	<0.05	0.07	0.01	0.019	0.05	9.5	7.9	0.47	154	0.20	0.02
JNL044 05+00W		5.23	11.6	2.47	6.99	<0.05	<0.02	0.02	0.057	0.10	16.6	27.0	0.72	678	0.41	0.01
JNL045 00+00		3.18	84.2	4.04	3.95	0.08	0.05	0.04	0.169	0.11	24.2	27.0	0.47	546	0.43	0.02
JNL045 00+50E		1.98	17.1	1.99	4.07	<0.05	0.04	0.02	0.078	0.08	13.5	17.9	0.56	405	0.43	0.01
JNL045 01+00E		2.53	13.4	1.48	4.88	<0.05	<0.02	0.02	0.063	0.09	13.1	12.7	0.36	125	0.42	0.01
JNL045 01+50E		3.91	50.9	3.07	4.57	0.06	0.04	0.03	0.167	0.07	19.4	20.3	0.45	292	0.43	0.01
JNL045 02+00E		1.89	7.4	1.60	3.96	0.05	0.02	0.01	0.035	0.07	13.7	16.3	0.84	211	0.28	0.01
JNL045 02+50E		2.44	8.9	1.43	4.17	<0.05	<0.02	0.02	0.037	0.06	14.2	12.9	0.39	107	0.38	<0.01
JNL045 03+00E		2.17	13.8	2.38	4.10	0.07	0.04	0.02	0.064	0.08	20.5	20.9	0.69	281	0.38	0.01
JNL045 03+50E		1.60	14.6	2.35	4.93	0.07	0.05	0.03	0.038	0.09	23.2	28.1	0.98	262	0.36	0.03
JNL045 04+00E		0.71	8.3	1.49	2.94	0.07	0.04	0.02	0.029	0.07	22.4	12.6	0.71	280	0.30	0.01
JNL045 04+50E																
JNL045 05+00E																

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
JNL041 10+00E		0.32	7.8	780	26.6	4.6	<0.001	0.04	1.64	0.3	0.4	0.4	3.7	<0.01	0.06	0.5
JNL041 10+50E		0.69	8.7	330	15.2	7.6	<0.001	0.01	0.37	0.7	0.3	0.5	4.8	<0.01	0.02	2.2
JNL041 11+00E		0.65	9.4	340	21.2	6.4	<0.001	0.02	0.40	0.6	0.4	0.9	5.5	<0.01	0.02	0.4
JNL041 11+50E		0.68	12.5	590	41.0	6.0	<0.001	0.03	0.90	0.7	0.5	0.6	5.4	<0.01	0.03	0.8
JNL041 12+00E		0.95	20.2	980	41.2	6.1	<0.001	0.05	2.03	0.6	0.7	0.6	10.5	<0.01	0.07	0.3
JNL041 12+50E		0.44	23.5	990	40.6	9.7	<0.001	0.04	1.23	0.7	0.5	0.6	8.3	0.01	0.05	0.7
JNL041 13+00E		0.21	28.4	440	39.6	4.1	<0.001	0.02	1.34	1.5	0.5	0.2	12.1	<0.01	0.03	6.8
JNL041 13+50E		0.14	25.2	680	36.4	4.3	<0.001	0.04	1.29	1.2	0.2	0.3	13.4	<0.01	0.03	4.3
JNL041 14+00E		0.14	27.1	580	34.5	4.0	<0.001	0.03	1.30	1.3	0.3	0.3	10.1	<0.01	0.04	6.2
JNL041 14+50E		0.18	25.7	530	41.6	5.6	<0.001	0.03	1.05	1.6	0.5	0.3	11.4	<0.01	0.03	7.0
JNL041 15+00E		0.13	27.2	480	36.1	4.4	<0.001	0.02	1.29	1.9	0.7	0.3	10.8	<0.01	0.03	8.6
JNL044 00+00																
JNL044 00+50W		0.22	4.4	780	3.4	2.5	<0.001	0.12	0.10	0.5	0.3	<0.2	109.5	<0.01	<0.01	0.4
JNL044 01+00W		0.22	8.5	1250	7.3	5.3	<0.001	0.06	0.53	1.2	0.4	0.2	84.6	<0.01	0.01	0.7
JNL044 01+50W		0.45	10.1	490	9.6	9.7	<0.001	0.03	0.51	1.5	0.4	0.5	39.6	<0.01	0.01	1.3
JNL044 02+00W		0.80	19.3	1090	18.0	14.7	<0.001	0.06	1.10	2.9	0.6	1.0	90.5	<0.01	0.02	3.2
JNL044 02+50W		0.54	17.1	580	25.3	14.6	<0.001	0.02	0.91	1.8	0.3	1.4	21.5	<0.01	0.02	3.3
JNL044 03+00W		0.25	11.7	1160	11.7	17.9	<0.001	0.04	0.39	1.6	0.3	0.8	22.6	<0.01	0.01	2.0
JNL044 03+50W		0.29	15.9	1330	13.0	22.9	<0.001	0.04	0.72	0.9	0.4	2.4	27.4	<0.01	0.11	1.3
JNL044 04+00W		0.09	3.5	670	2.9	10.2	<0.001	0.04	0.22	0.1	<0.2	2.3	7.8	<0.01	0.07	<0.2
JNL044 04+50W		0.29	4.3	1110	4.3	10.6	<0.001	0.06	0.13	1.0	0.2	0.5	43.2	<0.01	<0.01	0.9
JNL044 05+00W		0.71	13.3	1110	12.6	27.1	<0.001	0.04	0.72	1.3	0.3	2.3	25.9	<0.01	0.03	1.0
JNL045 00+00		0.47	30.9	610	38.5	11.8	<0.001	0.03	5.02	3.2	0.5	4.8	41.4	<0.01	0.03	10.1
JNL045 00+50E		0.51	15.6	490	11.6	20.2	<0.001	0.05	1.00	1.7	0.2	2.3	27.4	<0.01	0.06	3.6
JNL045 01+00E		0.53	11.7	430	6.3	19.5	<0.001	0.03	0.97	1.1	<0.2	5.0	22.2	<0.01	0.08	1.6
JNL045 01+50E		0.64	24.6	1110	24.5	12.6	<0.001	0.04	1.59	1.9	0.7	3.3	16.1	0.01	0.14	3.5
JNL045 02+00E		0.15	10.7	1020	12.1	13.2	<0.001	0.02	0.34	0.9	0.4	0.8	15.1	<0.01	0.01	1.0
JNL045 02+50E		0.29	8.8	850	11.7	11.7	<0.001	0.03	0.49	0.5	0.3	1.3	9.8	<0.01	0.01	0.6
JNL045 03+00E		0.54	21.0	880	24.1	13.3	<0.001	0.03	0.90	2.7	0.5	1.0	31.7	<0.01	0.02	3.8
JNL045 03+50E		0.64	19.6	1040	18.1	12.1	<0.001	0.04	1.07	3.5	0.5	0.7	79.2	<0.01	0.02	3.9
JNL045 04+00E		0.22	11.1	1550	10.4	9.7	<0.001	0.04	0.49	3.3	0.6	0.2	99.1	<0.01	<0.01	2.1
JNL045 04+50E																
JNL045 05+00E																

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
JNL041 10+00E		0.011	0.05	0.67	24	0.10	1.35	35	<0.5
JNL041 10+50E		0.011	0.10	0.53	16	0.14	1.82	31	<0.5
JNL041 11+00E		0.022	0.09	0.61	26	0.15	1.89	30	<0.5
JNL041 11+50E		0.014	0.13	0.66	24	0.19	2.11	46	<0.5
JNL041 12+00E		0.019	0.11	0.80	29	0.17	2.57	64	<0.5
JNL041 12+50E		0.019	0.10	0.96	26	0.23	4.53	78	<0.5
JNL041 13+00E		0.007	0.14	1.32	11	0.14	5.87	85	1.0
JNL041 13+50E		0.006	0.13	1.16	14	0.17	4.70	90	0.5
JNL041 14+00E		0.005	0.11	1.10	13	0.17	3.98	104	1.2
JNL041 14+50E		0.005	0.15	1.42	14	0.14	7.04	101	1.2
JNL041 15+00E		<0.005	0.24	1.82	13	0.22	10.95	91	1.0
JNL044 00+00									
JNL044 00+50W		0.009	0.02	0.27	5	<0.05	2.99	15	2.1
JNL044 01+00W		0.009	0.09	0.29	8	<0.05	6.95	33	1.7
JNL044 01+50W		0.014	0.08	0.42	14	0.09	5.79	32	0.8
JNL044 02+00W		0.026	0.14	0.61	19	0.17	10.70	72	1.9
JNL044 02+50W		0.014	0.11	0.52	20	0.09	5.12	65	0.6
JNL044 03+00W		0.007	0.11	0.54	15	0.06	6.08	84	1.4
JNL044 03+50W		0.007	0.15	0.58	20	0.11	4.53	108	0.7
JNL044 04+00W		0.008	0.08	0.33	11	0.25	0.74	22	<0.5
JNL044 04+50W		0.011	0.08	0.37	10	0.05	3.70	26	1.9
JNL044 05+00W		0.019	0.18	0.77	24	0.15	4.00	81	<0.5
JNL045 00+00		0.018	0.37	0.89	17	0.48	9.12	110	2.0
JNL045 00+50E		0.012	0.12	0.55	16	0.13	3.94	40	1.3
JNL045 01+00E		0.015	0.12	0.38	19	0.11	2.28	58	<0.5
JNL045 01+50E		0.015	0.19	0.76	20	0.14	6.24	85	1.3
JNL045 02+00E		0.007	0.11	0.43	14	<0.05	3.54	62	<0.5
JNL045 02+50E		0.008	0.11	0.48	15	0.09	2.58	46	<0.5
JNL045 03+00E		0.017	0.11	0.60	17	0.11	8.98	72	1.0
JNL045 03+50E		0.019	0.13	0.59	19	0.15	11.75	65	1.7
JNL045 04+00E		0.007	0.10	0.36	11	<0.05	11.40	41	1.3
JNL045 04+50E									
JNL045 05+00E									

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

CERTIFICATE OF ANALYSIS WH17195215

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
Applies to Method: ME-MS41

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
Applies to Method: LOG-22 SCR-41 WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Au-ST43 ME-MS41

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QC CERTIFICATE WH17195215

Project: 1004241-TELOEX

P.O. No.: JN2017-1

This report is for 233 Soil samples submitted to our lab in Whitehorse, YT, Canada on 12-SEP-2017.

The following have access to data associated with this certificate:

JESSE CAMPBELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

To: **TERRALOGIC EXPLORATION SERVICES INC.**
ATTN: JESSE CAMPBELL
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
STANDARDS																
GAu-12a		0.0209														
GAu-12a		0.0202														
GAu-12a		0.0206														
GAu-12a		0.0204														
Target Range - Lower Bound		0.0176														
Upper Bound		0.0240														
GLG908-5		0.0526														
GLG908-5		0.0561														
GLG908-5		0.0523														
Target Range - Lower Bound		0.0442														
Upper Bound		0.0600														
MRGeo08			4.42	2.59	32.8	<0.02	<10	440	0.83	0.64	1.01	2.23	72.8	20.2	90	10.35
MRGeo08			4.32	2.56	34.1	<0.02	<10	440	0.81	0.62	1.03	2.22	73.5	18.8	91	10.80
MRGeo08			4.33	2.46	32.6	<0.02	<10	410	0.83	0.63	1.02	2.21	70.2	17.9	85	9.69
MRGeo08			4.23	2.52	34.5	<0.02	<10	430	0.76	0.63	1.02	2.18	72.0	18.7	90	10.60
Target Range - Lower Bound			4.00	2.44	29.6	<0.02	<10	370	0.67	0.60	1.00	2.01	66.2	17.0	81	9.40
Upper Bound			4.92	3.00	36.4	0.04	20	530	0.95	0.76	1.24	2.47	81.0	21.0	102	11.60
OGGeo08			20.1	2.12	120.5	0.06	<10	70	0.70	10.85	0.85	19.20	59.2	93.4	81	9.28
OGGeo08			20.4	2.16	117.5	0.07	<10	170	0.69	9.51	0.86	19.60	61.0	96.6	81	9.30
OGGeo08			19.95	2.10	121.0	0.07	<10	110	0.72	9.48	0.84	18.40	60.9	95.6	80	10.10
OGGeo08			18.60	2.08	114.0	0.06	<10	90	0.64	9.50	0.82	18.70	58.5	91.5	77	8.71
Target Range - Lower Bound			18.15	2.05	107.0	0.03	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68
Upper Bound			22.2	2.53	131.0	0.11	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70
OREAS 905			0.51	0.79	31.9	0.38	<10	240	0.94	5.59	0.32	0.37	78.2	14.5	17	1.20
OREAS 905			0.50	0.77	32.2	0.38	<10	240	0.91	5.36	0.32	0.33	78.6	13.6	17	1.18
OREAS 905			0.51	0.81	33.5	0.39	<10	250	0.96	5.45	0.34	0.34	79.1	14.0	18	1.17
Target Range - Lower Bound			0.45	0.73	28.4	0.33	<10	200	0.78	5.16	0.29	0.30	72.0	12.4	15	1.14
Upper Bound			0.58	0.91	35.0	0.45	20	300	1.08	6.32	0.38	0.38	88.0	15.4	20	1.50
OREAS 920			0.10	2.30	4.8	<0.02	<10	80	0.67	0.58	0.30	0.07	73.5	14.7	42	1.93
OREAS 920			0.09	2.34	4.7	<0.02	<10	80	0.70	0.68	0.31	0.06	72.5	15.1	42	1.92
OREAS 920			0.08	2.29	4.4	<0.02	<10	70	0.71	0.54	0.30	0.06	72.9	14.6	40	1.94
OREAS 920			0.09	2.24	4.7	<0.02	<10	70	0.63	0.66	0.29	0.06	69.2	13.7	40	1.90
Target Range - Lower Bound			0.07	2.18	3.8	<0.02	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84
Upper Bound			0.12	2.68	4.9	0.04	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36

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

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
GAu-12a																
GAu-12a																
GAu-12a																
GAu-12a																
Target Range - Lower Bound																
Upper Bound																
GLG908-5																
GLG908-5																
GLG908-5																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		641	3.58	9.32	0.11	0.72	0.05	0.162	1.26	36.6	32.7	1.11	414	14.20	0.32	0.83
MRGeo08		618	3.56	9.33	0.16	0.68	0.07	0.156	1.25	37.0	31.6	1.13	416	13.90	0.32	1.11
MRGeo08		588	3.34	9.49	0.17	0.67	0.06	0.140	1.19	35.0	31.7	1.06	384	14.25	0.31	0.81
MRGeo08		612	3.52	8.84	0.14	0.68	0.06	0.153	1.26	35.5	31.0	1.12	410	13.10	0.31	1.04
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.79
Upper Bound		675	3.96	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.09
OGGeo08		8150	4.90	8.32	0.16	0.73	0.48	1.395	1.02	28.5	29.1	0.93	378	860	0.28	1.01
OGGeo08		8180	5.03	8.09	0.16	0.76	0.43	1.430	1.05	29.8	29.4	0.94	394	876	0.28	1.12
OGGeo08		8320	4.87	8.12	0.21	0.79	0.48	1.395	1.02	30.1	29.0	0.92	381	870	0.27	1.05
OGGeo08		7910	4.72	8.28	0.11	0.76	0.45	1.400	1.00	29.1	28.3	0.88	366	826	0.27	0.98
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 905		1575	3.44	5.95	0.07	1.12	0.01	0.599	0.31	39.2	4.6	0.14	352	2.97	0.08	0.30
OREAS 905		1540	3.42	5.80	0.10	1.07	0.02	0.573	0.31	39.4	4.4	0.15	345	2.75	0.09	0.31
OREAS 905		1590	3.51	5.78	0.10	1.14	0.01	0.567	0.32	39.2	4.6	0.15	355	2.72	0.09	0.32
Target Range - Lower Bound		1450	3.14	5.74	<0.05	1.08	<0.01	0.517	0.28	35.6	4.3	0.13	310	2.65	0.07	0.19
Upper Bound		1670	3.86	7.12	0.22	1.36	0.04	0.643	0.36	44.0	5.5	0.19	390	3.35	0.12	0.43
OREAS 920		113.0	3.49	6.73	0.08	0.54	<0.01	0.031	0.39	36.3	20.4	1.05	502	0.35	0.02	0.34
OREAS 920		112.0	3.58	6.48	0.10	0.51	<0.01	0.029	0.42	36.3	20.5	1.07	517	0.31	0.02	0.32
OREAS 920		108.5	3.41	6.22	0.14	0.57	<0.01	0.029	0.40	37.2	21.5	1.03	500	0.32	0.02	0.34
OREAS 920		110.0	3.37	6.47	0.08	0.57	0.01	0.031	0.38	35.1	20.8	1.00	487	0.42	0.01	0.39
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.22	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS																
GAu-12a																
GAu-12a																
GAu-12a																
GAu-12a																
Target Range - Lower Bound																
Upper Bound																
GLG908-5																
GLG908-5																
GLG908-5																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		723	1010	1070	148.5	0.008	0.30	3.09	7.3	1.5	3.3	80.4	0.01	0.02	20.8	0.376
MRGeo08		697	1000	1055	142.0	0.008	0.31	3.07	7.3	1.4	3.1	76.1	0.01	0.03	22.1	0.381
MRGeo08		658	930	994	136.0	0.007	0.28	3.21	6.9	1.2	3.4	75.2	0.01	0.03	20.2	0.351
MRGeo08		688	990	1050	139.0	0.007	0.30	2.98	6.9	1.2	3.1	75.1	0.01	0.02	21.5	0.378
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.9	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		760	1130	1175	162.0	0.010	0.35	3.90	8.4	1.9	4.0	88.5	0.03	0.04	23.7	0.424
OGGeo08		8620	770	6980	117.5	1.335	2.62	20.6	6.0	11.3	12.6	60.9	0.01	0.15	16.3	0.295
OGGeo08		8780	780	7090	120.0	1.355	2.74	20.1	6.2	11.9	12.1	62.5	0.01	0.15	17.1	0.310
OGGeo08		8650	780	7000	119.5	1.395	2.69	20.8	6.2	10.6	12.6	62.0	<0.01	0.15	16.4	0.296
OGGeo08		8460	780	6780	118.5	1.355	2.62	19.70	5.9	10.8	12.8	60.2	<0.01	0.14	15.7	0.289
Target Range - Lower Bound		7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound		9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 905		8.6	240	16.2	18.6	<0.001	0.07	1.09	1.7	2.4	1.3	12.9	<0.01	0.07	8.0	0.020
OREAS 905		8.3	240	16.1	17.8	0.001	0.08	0.96	1.7	2.8	1.1	12.2	<0.01	0.06	8.1	0.021
OREAS 905		8.2	250	15.3	17.9	<0.001	0.07	0.95	1.6	2.7	1.2	12.8	<0.01	0.07	7.9	0.021
Target Range - Lower Bound		7.8		15.2	17.3	<0.001	0.04	0.90	1.6	1.8	0.8	10.9	<0.01	0.04	7.8	0.008
Upper Bound		10.0		19.0	21.3	0.002	0.09	1.34	2.2	2.8	1.7	13.7	0.02	0.09	10.0	0.030
OREAS 920		39.8	700	20.9	22.6	<0.001	0.02	0.67	2.9	0.8	1.0	16.7	0.01	0.02	15.6	0.112
OREAS 920		39.0	720	21.6	23.7	<0.001	0.04	0.58	2.8	1.0	1.0	16.9	0.01	0.01	15.8	0.119
OREAS 920		36.6	680	20.5	22.4	<0.001	0.03	0.58	2.7	0.8	0.9	16.6	0.01	0.02	14.9	0.110
OREAS 920		37.2	690	20.5	23.2	0.001	0.02	0.64	2.6	0.9	1.0	16.2	0.01	0.02	14.7	0.107
Target Range - Lower Bound		34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound		42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.04	17.0	0.140

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Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AROR43
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01
STANDARDS									
GAu-12a									
GAu-12a									
GAu-12a									
GAu-12a									
Target Range - Lower Bound									
Upper Bound									
GLG908-5									
GLG908-5									0.06
GLG908-5									0.05
Target Range - Lower Bound									
Upper Bound									
MRGeo08		0.80	5.16	100	2.83	20.2	774	23.6	
MRGeo08		0.80	5.56	101	2.83	19.00	773	21.3	
MRGeo08		0.79	5.01	95	2.63	18.60	715	19.8	
MRGeo08		0.76	5.17	100	2.91	18.35	758	22.0	
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1	
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7	
OGGeo08		1.32	4.46	79	2.84	16.55	6690	23.0	
OGGeo08		1.39	4.74	80	3.03	16.10	6950	22.6	
OGGeo08		1.35	4.68	77	2.93	16.50	6830	22.0	
OGGeo08		1.40	4.64	76	3.04	16.95	6560	20.8	
Target Range - Lower Bound		1.14	4.45	70	2.58	15.35	6500	19.5	
Upper Bound		1.58	5.55	88	3.60	18.85	7950	27.5	
OREAS 905		0.11	2.14	6	0.60	7.03	65	43.5	
OREAS 905		0.10	2.22	6	0.57	6.83	64	42.9	
OREAS 905		0.11	2.16	6	0.63	6.86	66	43.6	
Target Range - Lower Bound		0.06	2.08	4	0.44	6.32	58	39.9	
Upper Bound		0.16	2.66	8	0.76	7.84	76	55.1	
OREAS 920		0.14	1.89	25	0.62	17.65	101	21.8	
OREAS 920		0.16	2.05	25	0.47	17.10	104	20.1	
OREAS 920		0.14	1.93	24	0.45	16.80	100	20.4	
OREAS 920		0.14	1.98	23	0.49	17.65	100	20.2	
Target Range - Lower Bound		0.07	1.89	23	0.31	16.85	93	17.6	
Upper Bound		0.18	2.42	30	0.61	20.7	119	25.0	

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Finalized Date: 6-OCT-2017
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QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	Au-ST43	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.0001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
STANDARDS																
OREAS-23a		0.0016														
OREAS-23a		0.0016														
OREAS-23a		0.0015														
Target Range - Lower Bound		0.0016														
Upper Bound		0.0024														
OREAS-906		0.0455														
OREAS-906		0.0487														
OREAS-906		0.0507														
OREAS-906		0.0490														
Target Range - Lower Bound		0.0433														
Upper Bound		0.0588														
BLANKS																
BLANK		0.0001														
BLANK		<0.0001														
BLANK		0.0001														
BLANK		<0.0001														
BLANK		0.0001														
BLANK		<0.0001														
BLANK		<0.0001														
Target Range - Lower Bound		<0.0001														
Upper Bound		0.0002														
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
BLANK			<0.01	<0.01	0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Target Range - Lower Bound			<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05
Upper Bound			0.02	0.02	0.2	0.04	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10

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

ALS Canada Ltd.
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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
OREAS-23a																
OREAS-23a																
OREAS-23a																
Target Range - Lower Bound																
Upper Bound																
OREAS-906																
OREAS-906																
OREAS-906																
OREAS-906																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.2	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS																
OREAS-23a																
OREAS-23a																
OREAS-23a																
Target Range - Lower Bound																
Upper Bound																
OREAS-906																
OREAS-906																
OREAS-906																
OREAS-906																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-AROR43
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.01
STANDARDS									
OREAS-23a									
OREAS-23a									<0.01
OREAS-23a									<0.01
Target Range - Lower Bound									
Upper Bound									
OREAS-906									
OREAS-906									
OREAS-906									
OREAS-906									
Target Range - Lower Bound									
Upper Bound									
BLANKS									
BLANK									
BLANK									
BLANK									
BLANK									
BLANK									<0.01
BLANK									
BLANK									<0.01
Target Range - Lower Bound									
Upper Bound									
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0	

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CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description / Method / Analyte / Units / LOR	Au-ST43 Au ppm 0.0001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.02	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES															
ORIGINAL		0.10	2.47	10.7	<0.02	<10	120	1.03	0.10	0.96	0.22	36.2	13.7	20	4.04
DUP		0.10	2.47	10.7	<0.02	<10	120	1.05	0.10	0.95	0.22	36.5	13.8	20	3.99
Target Range - Lower Bound		0.09	2.34	10.1	<0.02	<10	100	0.94	0.09	0.90	0.20	34.5	13.0	18	3.76
Upper Bound		0.12	2.60	11.3	0.04	20	140	1.14	0.12	1.01	0.24	38.2	14.5	22	4.27
ORIGINAL		0.08	2.23	8.9	<0.02	20	220	1.07	0.33	3.77	0.29	37.5	10.1	22	5.78
DUP		0.08	2.30	8.9	<0.02	20	230	0.90	0.34	3.90	0.30	36.4	9.7	23	5.68
Target Range - Lower Bound		0.07	2.14	8.4	<0.02	<10	200	0.89	0.31	3.63	0.27	35.1	9.3	20	5.39
Upper Bound		0.09	2.39	9.4	0.04	30	250	1.08	0.36	4.04	0.32	38.8	10.5	25	6.07
JNL032 03+50E	0.0044														
DUP	0.0049														
Target Range - Lower Bound	0.0042														
Upper Bound	0.0051														
JNL035 00+50E		0.05	0.64	3.5	<0.02	<10	20	0.08	0.13	0.01	0.03	18.35	2.5	8	0.86
DUP		0.05	0.67	3.9	<0.02	<10	20	0.08	0.14	0.01	0.02	22.8	2.7	9	0.99
Target Range - Lower Bound		0.04	0.61	3.4	<0.02	<10	<10	<0.05	0.12	<0.01	<0.01	19.55	2.4	7	0.83
Upper Bound		0.06	0.70	4.0	0.04	20	30	0.10	0.15	0.02	0.04	21.6	2.8	10	1.02
JNL035 03+25E	0.0055														
DUP	0.0053														
Target Range - Lower Bound	0.0049														
Upper Bound	0.0059														
JNL037 00+00		0.21	1.65	21.9	<0.02	<10	40	0.37	0.34	0.05	0.18	25.8	7.9	19	0.73
DUP		0.21	1.71	23.0	<0.02	<10	40	0.42	0.35	0.05	0.18	27.9	8.0	20	0.76
Target Range - Lower Bound		0.19	1.59	21.2	<0.02	<10	30	0.33	0.32	0.04	0.16	25.5	7.5	18	0.66
Upper Bound		0.23	1.77	23.7	0.04	20	50	0.46	0.37	0.06	0.20	28.2	8.4	21	0.83
JNL037 05+50E	0.0167														
DUP	0.0155														
Target Range - Lower Bound	0.0148														
Upper Bound	0.0174														
JNL038 06+50E		0.21	1.66	42.0	<0.02	<10	50	0.45	0.47	0.34	0.08	29.2	10.9	23	2.04
DUP		0.21	1.68	44.5	<0.02	<10	50	0.45	0.47	0.34	0.07	30.8	10.8	23	2.06
Target Range - Lower Bound		0.19	1.58	41.0	<0.02	<10	40	0.38	0.44	0.31	0.06	28.5	10.2	21	1.90
Upper Bound		0.23	1.76	45.5	0.04	20	60	0.52	0.50	0.37	0.09	31.5	11.5	25	2.20

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To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01	ME-MS41 Nb ppm 0.05
DUPLICATES																
ORIGINAL		16.8	3.29	7.11	0.05	0.19	0.05	0.030	0.11	16.9	19.3	1.09	686	1.33	0.03	0.19
DUP		17.2	3.25	7.36	0.06	0.21	0.06	0.030	0.11	17.4	19.8	1.09	670	1.33	0.03	0.19
Target Range - Lower Bound		16.2	3.10	6.82	<0.05	0.17	0.04	0.024	0.09	16.1	18.5	1.03	639	1.21	0.02	0.13
Upper Bound		17.8	3.44	7.65	0.10	0.23	0.07	0.037	0.13	18.2	20.6	1.15	717	1.45	0.04	0.25
ORIGINAL		24.4	2.09	7.57	0.10	0.14	0.02	0.027	0.61	18.5	32.7	1.09	518	0.55	0.04	1.96
DUP		22.9	2.17	7.22	0.09	0.15	0.02	0.025	0.64	18.1	30.4	1.13	531	0.55	0.04	1.87
Target Range - Lower Bound		22.6	2.01	6.98	<0.05	0.12	<0.01	0.020	0.58	17.2	29.9	1.04	493	0.47	0.03	1.77
Upper Bound		24.7	2.25	7.81	0.10	0.17	0.03	0.032	0.67	19.4	33.2	1.18	556	0.63	0.05	2.06
JNL032 03+50E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL035 00+50E		6.9	1.12	3.12	<0.05	<0.02	0.02	0.007	0.03	9.5	11.7	0.15	94	0.40	<0.01	0.07
DUP		7.5	1.16	3.39	<0.05	<0.02	0.02	0.008	0.03	12.7	12.3	0.15	97	0.39	<0.01	0.07
Target Range - Lower Bound		6.7	1.07	3.04	<0.05	<0.02	<0.01	<0.005	0.02	10.3	11.3	0.13	86	0.33	<0.01	<0.05
Upper Bound		7.7	1.21	3.47	0.10	0.04	0.03	0.010	0.04	11.9	12.7	0.17	105	0.46	0.02	0.10
JNL035 03+25E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL037 00+00		24.5	3.42	4.55	0.06	0.10	0.02	0.031	0.03	13.4	38.9	0.49	219	0.39	<0.01	0.14
DUP		25.2	3.52	4.74	0.05	0.08	0.02	0.030	0.03	14.4	39.0	0.50	222	0.39	<0.01	0.14
Target Range - Lower Bound		23.8	3.29	4.36	<0.05	0.07	<0.01	0.024	0.02	13.0	36.9	0.46	204	0.32	<0.01	0.08
Upper Bound		25.9	3.65	4.93	0.10	0.11	0.03	0.037	0.04	14.8	41.0	0.53	237	0.46	0.02	0.20
JNL037 05+50E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL038 06+50E		22.3	3.37	4.80	0.05	0.07	0.02	0.034	0.04	17.4	50.5	0.57	246	0.70	<0.01	0.24
DUP		22.4	3.38	4.92	0.05	0.06	0.02	0.035	0.04	18.0	48.9	0.58	250	0.71	0.01	0.24
Target Range - Lower Bound		21.4	3.20	4.57	<0.05	0.04	<0.01	0.028	0.03	16.6	47.1	0.54	231	0.62	<0.01	0.18
Upper Bound		23.3	3.55	5.15	0.10	0.09	0.03	0.041	0.05	18.8	52.3	0.61	265	0.79	0.02	0.30

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Finalized Date: 6-OCT-2017
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QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
DUPLICATES																
ORIGINAL		9.1	460	7.3	9.6	0.001	0.01	0.45	8.1	0.8	0.6	236	<0.01	0.08	2.8	0.012
DUP		9.2	470	7.4	9.8	<0.001	0.01	0.41	8.3	0.8	0.6	236	<0.01	0.08	2.9	0.011
Target Range - Lower Bound		8.5	430	6.8	9.1	<0.001	<0.01	0.35	7.7	0.6	0.4	224	<0.01	0.07	2.5	0.006
Upper Bound		9.8	500	7.9	10.3	0.002	0.02	0.51	8.7	1.0	0.8	248	0.02	0.09	3.2	0.017
ORIGINAL		20.6	990	12.0	52.5	<0.001	0.02	0.73	4.6	0.7	0.9	101.0	<0.01	0.05	4.4	0.078
DUP		18.9	1020	11.7	50.8	<0.001	0.02	0.75	4.2	0.6	0.9	102.0	<0.01	0.04	4.3	0.079
Target Range - Lower Bound		18.6	940	11.1	49.0	<0.001	<0.01	0.63	4.1	0.4	0.7	96.2	<0.01	0.03	3.9	0.070
Upper Bound		20.9	1070	12.6	54.3	0.002	0.03	0.85	4.7	0.9	1.1	107.0	0.02	0.06	4.8	0.087
JNL032 03+50E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL035 00+50E		7.9	640	8.6	4.7	<0.001	0.02	0.27	0.2	0.2	0.2	3.4	<0.01	0.02	0.3	<0.005
DUP		8.5	640	9.3	5.4	<0.001	0.02	0.31	0.1	<0.2	0.2	3.8	<0.01	0.02	0.3	<0.005
Target Range - Lower Bound		7.6	600	8.3	4.7	<0.001	<0.01	0.22	<0.1	<0.2	<0.2	3.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		8.8	680	9.6	5.4	0.002	0.03	0.36	0.2	0.4	0.4	4.0	0.02	0.03	0.4	0.010
JNL035 03+25E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL037 00+00		24.9	670	47.2	4.0	<0.001	0.03	1.31	1.1	0.3	<0.2	7.5	<0.01	0.02	4.0	<0.005
DUP		25.2	670	49.0	4.2	<0.001	0.03	1.28	1.0	0.4	0.2	8.2	<0.01	0.03	3.6	<0.005
Target Range - Lower Bound		23.6	630	45.5	3.8	<0.001	0.02	1.15	0.9	<0.2	<0.2	7.3	<0.01	<0.01	3.4	<0.005
Upper Bound		26.5	710	50.7	4.4	0.002	0.04	1.44	1.2	0.4	0.4	8.4	0.02	0.04	4.2	0.010
JNL037 05+50E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL038 06+50E		29.7	620	32.5	6.9	<0.001	0.06	0.93	1.7	0.4	0.3	36.3	<0.01	0.02	4.7	0.005
DUP		29.9	610	32.2	7.1	<0.001	0.06	0.88	1.7	0.5	0.3	36.9	<0.01	0.03	4.6	0.005
Target Range - Lower Bound		28.1	570	30.5	6.6	<0.001	0.05	0.79	1.5	<0.2	<0.2	34.6	<0.01	<0.01	4.2	<0.005
Upper Bound		31.5	660	34.2	7.5	0.002	0.07	1.02	1.9	0.7	0.4	38.6	0.02	0.04	5.1	0.010

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **TERRALOGIC EXPLORATION SERVICES INC.**
44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-AROR43 Au ppm 0.01
DUPLICATES									
ORIGINAL		0.06	0.62	90	0.27	16.70	60	5.0	
DUP		0.06	0.64	87	0.26	17.35	59	5.3	
Target Range - Lower Bound		0.04	0.55	83	0.20	16.10	55	4.3	
	Upper Bound	0.08	0.71	94	0.33	17.95	64	6.0	
ORIGINAL		0.33	0.74	35	1.03	12.00	61	6.5	
DUP		0.32	0.66	36	0.98	11.45	62	6.4	
Target Range - Lower Bound		0.28	0.62	33	0.88	11.10	56	5.5	
	Upper Bound	0.37	0.79	38	1.13	12.35	67	7.4	
JNL032 03+50E									
DUP									
Target Range - Lower Bound									
	Upper Bound								
JNL035 00+50E		0.03	0.30	9	<0.05	0.96	25	<0.5	
DUP		0.04	0.33	9	<0.05	1.10	26	<0.5	
Target Range - Lower Bound		<0.02	0.25	8	<0.05	0.93	22	<0.5	
	Upper Bound	0.04	0.38	10	0.10	1.13	29	1.0	
JNL035 03+25E									
DUP									
Target Range - Lower Bound									
	Upper Bound								
JNL037 00+00		0.04	0.64	12	<0.05	2.80	90	3.0	
DUP		0.04	0.68	12	<0.05	2.92	92	2.1	
Target Range - Lower Bound		<0.02	0.58	10	<0.05	2.67	84	1.9	
	Upper Bound	0.06	0.74	14	0.10	3.05	98	3.2	
JNL037 05+50E									
DUP									
Target Range - Lower Bound									
	Upper Bound								
JNL038 06+50E		0.08	2.06	17	0.09	5.14	81	2.0	
DUP		0.08	2.03	17	0.10	5.43	82	1.9	
Target Range - Lower Bound		0.05	1.89	15	<0.05	4.97	75	1.3	
	Upper Bound	0.11	2.20	19	0.10	5.60	88	2.6	

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44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method / Analyte / Units / LOR	Au-ST43 Au ppm 0.0001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.02	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
JNL039 03+50E		0.0023														
DUP		0.0021														
Target Range - Lower Bound		0.0019														
Upper Bound		0.0025														
JNL043 03+00W			0.08	0.93	29.4	<0.02	<10	40	0.30	0.70	0.11	0.09	30.0	6.5	13	1.94
DUP			0.08	0.94	29.1	<0.02	<10	40	0.31	0.68	0.11	0.08	29.1	6.4	14	1.98
Target Range - Lower Bound			0.07	0.88	27.7	<0.02	<10	30	0.24	0.65	0.09	0.07	28.1	6.0	12	1.81
Upper Bound			0.09	0.99	30.8	0.04	20	50	0.37	0.73	0.13	0.10	31.0	6.9	15	2.11
JNL040 03+00E		0.0018														
DUP		0.0019														
Target Range - Lower Bound		0.0016														
Upper Bound		0.0021														
JNL042 04+50W			0.03	1.89	3.5	<0.02	<10	50	1.05	0.08	4.55	0.13	41.8	7.9	20	0.70
DUP			0.03	1.96	3.6	<0.02	<10	60	1.07	0.09	4.50	0.12	41.7	8.1	21	0.72
Target Range - Lower Bound			0.02	1.82	3.3	<0.02	<10	40	0.96	0.07	4.29	0.11	39.6	7.5	18	0.62
Upper Bound			0.04	2.03	3.8	0.04	20	70	1.16	0.10	4.76	0.14	43.9	8.5	23	0.80
JNL044 02+00W			0.11	1.68	53.4	<0.02	<10	60	0.81	0.86	1.27	0.41	42.3	9.0	21	2.16
DUP			0.12	1.71	56.8	<0.02	<10	60	0.82	0.91	1.31	0.44	42.8	9.7	21	2.24
Target Range - Lower Bound			0.10	1.60	52.2	<0.02	<10	50	0.72	0.83	1.22	0.39	40.4	8.8	19	2.04
Upper Bound			0.13	1.79	58.0	0.04	20	70	0.91	0.94	1.36	0.46	44.7	9.9	23	2.36
JNL045 02+00E		0.0004														
DUP		0.0006														
Target Range - Lower Bound		0.0004														
Upper Bound		0.0006														

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Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES																
JNL039 03+50E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL043 03+00W		12.4	1.91	4.47	0.06	<0.02	0.01	0.038	0.08	14.6	13.5	0.71	361	0.44	<0.01	0.35
DUP		12.3	1.93	4.47	0.06	<0.02	0.01	0.039	0.08	14.2	14.0	0.72	359	0.48	<0.01	0.33
Target Range - Lower Bound		11.7	1.81	4.20	<0.05	<0.02	<0.01	0.032	0.07	13.5	13.0	0.67	337	0.39	<0.01	0.27
Upper Bound		13.0	2.03	4.74	0.10	0.04	0.02	0.045	0.09	15.3	14.5	0.76	383	0.53	0.02	0.41
JNL040 03+00E																
DUP																
Target Range - Lower Bound																
Upper Bound																
JNL042 04+50W		12.9	1.89	5.55	0.14	0.17	0.02	0.024	0.12	20.4	37.7	2.44	298	0.41	<0.01	0.15
DUP		11.3	1.91	5.68	0.13	0.16	0.02	0.023	0.13	20.8	39.2	2.51	312	0.42	<0.01	0.15
Target Range - Lower Bound		11.5	1.80	5.28	0.08	0.14	<0.01	0.017	0.11	19.4	36.4	2.34	285	0.34	<0.01	0.09
Upper Bound		12.7	2.01	5.95	0.19	0.19	0.03	0.030	0.14	21.8	40.5	2.61	325	0.49	0.02	0.21
JNL044 02+00W		17.0	2.29	4.80	0.07	0.06	0.03	0.048	0.10	21.1	25.6	0.72	456	0.32	0.04	0.80
DUP		21.8	2.30	5.12	0.07	0.06	0.03	0.051	0.10	21.7	25.4	0.73	447	0.35	0.04	0.84
Target Range - Lower Bound		18.5	2.17	4.66	<0.05	0.04	0.02	0.042	0.09	20.1	24.1	0.68	424	0.27	0.03	0.73
Upper Bound		20.3	2.42	5.26	0.10	0.08	0.04	0.057	0.12	22.7	26.9	0.77	479	0.40	0.05	0.91
JNL045 02+00E																
DUP																
Target Range - Lower Bound																
Upper Bound																

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44 - 12TH AVE SOUTH
SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description / Method / Analyte / Units / LOR	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
DUPLICATES															
JNL039 03+50E															
DUP															
Target Range - Lower Bound															
Upper Bound															
JNL043 03+00W	12.2	400	16.3	21.2	<0.001	0.01	0.69	0.9	<0.2	1.3	9.7	<0.01	0.01	1.7	0.010
DUP	11.9	410	15.8	21.3	<0.001	0.01	0.67	0.9	<0.2	1.3	9.5	<0.01	0.02	1.6	0.010
Target Range - Lower Bound	11.2	370	15.0	20.1	<0.001	<0.01	0.58	0.8	<0.2	1.0	8.9	<0.01	<0.01	1.4	<0.005
Upper Bound	12.9	440	17.1	22.4	0.002	0.02	0.78	1.0	0.4	1.6	10.3	0.02	0.02	1.9	0.016
JNL040 03+00E															
DUP															
Target Range - Lower Bound															
Upper Bound															
JNL042 04+50W	14.7	1540	9.3	12.0	<0.001	0.08	0.24	2.8	0.7	0.2	196.0	<0.01	0.01	2.2	0.005
DUP	15.0	1560	9.1	12.3	<0.001	0.08	0.25	2.8	0.8	0.2	196.5	<0.01	0.01	2.0	0.005
Target Range - Lower Bound	13.9	1460	8.5	11.4	<0.001	0.07	0.18	2.6	0.5	<0.2	186.0	<0.01	<0.01	1.8	<0.005
Upper Bound	15.8	1640	9.9	12.9	0.002	0.09	0.31	3.0	1.0	0.4	206	0.02	0.02	2.4	0.010
JNL044 02+00W	19.3	1090	18.0	14.7	<0.001	0.06	1.10	2.9	0.6	1.0	90.5	<0.01	0.02	3.2	0.026
DUP	20.1	1100	18.1	15.6	<0.001	0.06	1.14	3.1	0.8	1.1	94.5	<0.01	0.02	3.2	0.026
Target Range - Lower Bound	18.5	1030	16.9	14.3	<0.001	0.05	0.99	2.6	0.5	0.8	87.7	<0.01	<0.01	2.8	0.020
Upper Bound	20.9	1160	19.2	16.0	0.002	0.07	1.25	3.3	0.9	1.3	97.3	0.02	0.03	3.6	0.032
JNL045 02+00E															
DUP															
Target Range - Lower Bound															
Upper Bound															

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Finalized Date: 6-OCT-2017
Account: TELOEX

Project: 1004241-TELOEX

QC CERTIFICATE OF ANALYSIS WH17195215

Sample Description / Method / Analyte / Units / LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-AROR43 Au ppm 0.01
DUPLICATES								
JNL039 03+50E								
DUP								
Target Range - Lower Bound								
Upper Bound								
JNL043 03+00W	0.10	0.41	15	0.07	2.20	41	<0.5	
DUP	0.10	0.40	16	0.08	2.18	41	<0.5	
Target Range - Lower Bound	0.07	0.33	14	<0.05	2.03	37	<0.5	
Upper Bound	0.13	0.48	17	0.10	2.35	45	1.0	
JNL040 03+00E								
DUP								<0.01
Target Range - Lower Bound								<0.01
Upper Bound								0.02
JNL042 04+50W	0.09	0.44	14	<0.05	11.15	50	4.8	
DUP	0.11	0.44	15	<0.05	11.10	51	4.6	
Target Range - Lower Bound	0.07	0.37	13	<0.05	10.50	46	3.8	
Upper Bound	0.13	0.51	16	0.10	11.75	55	5.6	
JNL044 02+00W	0.14	0.61	19	0.17	10.70	72	1.9	
DUP	0.13	0.64	19	0.15	11.25	73	2.0	
Target Range - Lower Bound	0.10	0.54	17	0.10	10.40	67	1.3	
Upper Bound	0.17	0.71	21	0.22	11.55	78	2.6	
JNL045 02+00E								
DUP								<0.01
Target Range - Lower Bound								<0.01
Upper Bound								0.02

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QC CERTIFICATE OF ANALYSIS WH17195215

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
Applies to Method: ME-MS41

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
Applies to Method: LOG-22 SCR-41 WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Au-ST43 ME-MS41

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
Nepean, Ontario, Canada, K2E 7X1
Tel: (613) 226-1771 Fax: (613) 226-8753
odm@storm.ca www.odm.ca

Exploring Heavy Minerals

Laboratory Data Report

Client Information

TerraLogic Exploration Inc.
200 44-12th Ave. S
Cranbrook, B.C.
V1C 2R7

mam@terralogicexploration.com jtc@terralogicexploration.com

Attention: Mr. M. McCuaig

Data-File Information

Date:	October 13, 2017
Client Number:	
ODM batch number:	7603
Sample numbers:	MMJNT-001
Data file:	20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Number of samples in this report:	1
Number of samples processed to date:	1
Total number of samples in project:	1

Preliminary data:	
Final data:	X
Revised data:	

Sample Processing Specifications

1. Submitted by client: Till sample.
2. One ±300 g archival split taken.
3. Sample panned for gold, PGMs and fine-grained metallic indicator minerals.
4. Shaking table concentrate refined by heavy liquid separation at S.G. 3.2 to create a heavy mineral concentrate ("HMC").
5. 0.25-2.0 mm, nonferromagnetic HMC fractions picked for indicator minerals.
6. 1.0-2.0 mm, 0.5-1.0 mm and nonparamagnetic (>1.0 amp) 0.25-0.5 mm HMC fractions examined for scheelite by UV lamping.

Notes

Don Holmes

Don Holmes, P.Geo.
President

Primary Sample Processing Weights and Descriptions

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

	Weight (kg wet)					Screening and Shaking Table Sample Descriptions												
						Clasts (+2.0 mm)*					Matrix (-2.0 mm)							
							Percentage				Distribution					Colour		
Sample Number	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts*	Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY	Class
MMJNT-001	7.9	0.3	7.6	3.8	3.8	P	70	0	0	30	U	+	Y	-	N	OC	OC	TILL + RUBBLE

*Clasts listed as "OT" = quartz vein fragments.

Gold Grain Summary

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
Sample Number	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
MMJNT-001	1135	0	86	1049	15.2	17852	0	13654	4198

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

Sample Number	Dimensions (µm)				Number of Visible Gold Grains				Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
	Thickness		Width	Length	Reshaped	Modified	Pristine	Total			
MMJNT-001	3	C	15	15		30	580	610		212	Tr (10 grains) galena (25-100µm).
	5	C	25	25		20	300	320		512	Tr (10 grains) pyrite (25-75µm).
	8	C	25	50		11	80	91		434	Gold grains viated.
	10	C	25	75		5	32	37		351	
	10	C	50	50		5	22	27		341	
	13	C	50	75		6	14	20		471	
	15	C	50	100		3	9	12		450	
	15	C	75	75		2	3	5		211	
	18	C	75	100		1	5	6		391	
	20	C	75	125		1	3	4		370	
	75	M	125	250			1	1		1156	
	150	M	250	350		2		2		12952	
								1135	15.2	17852	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Laboratory Processing Weights

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

	Weight of -2.0 mm Table Concentrate (g)												
			0.25 to 2.0 mm Heavy Liquid Separation S.G. 3.20										
					HMC S.G.>3.20								
								Nonferromagnetic HMC					
									Processed Split				
									Total				
Sample Number	Total	-0.25 mm	Total	Lights S.G. <3.2	Total	-0.25 mm (wash)	Mag	Total	%	Weight	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm
MMJNT-001	757.5	290.3	467.8	466.0	1.8	0.5	0.01	1.3	100	1.3	0.8	0.4	0.1

Paramagnetic/Non-Paramagnetic Fraction Weights

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

	Weight of 0.25-0.5 mm Nonferromagnetic Heavy Mineral Fractions (g)					
		Paramagnetic			Nonparamagnetic	
Sample Number	Total	Strongly (<0.6 amp)	Moderately (0.6-0.8 amp)	Weakly (0.8-1.0 amp)	>1.0 amp	>1.0 amp Lights*
MMJNT-001	0.85	0.01	0.02	0.57	0.23	0.02

*SG <3.20 heavy liquid separation clean up of >1.0 amp fraction.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: TerraLogic Exploration Inc.
File Name: 20177603 - Terralogic - McCuaig - 1 for MMSIMs - October 2017
Total Number of Samples in this Report: 1
ODM Batch Number(s): 7603

	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			
	Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals												Phosphates			
	>1.0 amp			<1.0 amp	>1.0 amp							<1.0 amp					>1.0 amp			
													Olivine							
Sample Number	% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	% Fo	% Fay	% Opx	% Cr	% Ap	% Mz	Remarks	Picked Grains
MMJNT-001	0	0	1 (~20 gr)	98	0	0	Tr (1 gr)	0	0	0	0	0	0	0	0	0	Tr	0	Goethite/leucoxene assemblage. "Pyrite" is mostly marcasite mantled with goethite.	0.25-0.5 mm fraction: 1 red rutile

Appendix VI

Bedrock Geologic Mapping Data

Appendix 6.1
Station Locations and Descriptions

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
MMJNG058	9/17/2017	GPS	1439	544821	6840679	3	TRJN17-001. Total Length of the trench is 8.6 meters. The start of the trench is located approximately 20 meters upslope from JNL024 13+50W.
MMJNG059	9/18/2017	GPS	1440	544827	6840669	3	Outcrop was spotted on September 17/2017 on traverse to soil anomaly on JNL024 14+00W. Outcrop forms a scarp approximately 2.0+ metres high. Veining is exploiting the contact zone between a phyllite and coarse grained sandstone/tending to quartz pebble conglomerate. Linear trend of the outcrop is approximately 008 degrees, but it does not reflect the overall vein orientation. The outcrop is capped by one of the veins - resistant and blocky.
MMJNG060	9/18/2017	GPS	1439	544828	6840672	3	JNTR17-003. Same geology as previous station, second channel across main N/S trending quartz structure.
MMJNG061	9/18/2017	GPS	1451	544753	6840695	3	Sample station - BRR rock samples @ point anomaly JNL024 14+00W. Three rock samples collected from subcrop/rubble crop. Refer to BRR RSAMP descriptions. Mineralized boulders found here.
MMJNG062	9/18/2017	GPS	1434	544869	6840662	3	JNTR17-004. 7.1 metres total length.
MMJNG063	9/18/2017	GPS	1433	544829	6840686	10	
MMJNG064	9/18/2017	GPS	1470	544766	6840631	3	
MMJNG065	9/18/2017	GPS	1441	544848	6840668	3	If Au is returned from the grab a stripping/trenching program should be completed at this location.
MMJNG066	9/19/2017	GPS		545416	6840303	3	JNTR17-005. Following up on 90 ppb Au soil anomaly. Three dirt samples taken here to follow up on the soil anomaly. The trench did not reach bedrock. Rare fragments of quartz vein material and one rounded cobble of magnetite-pyrrhotite skarn were observed in the rubble excavated from the trench. The remainder of the rock was phyllite.
MMJNG067	9/19/2017	GPS	1455	545565	6840057	3	
MMJNG068	9/19/2017	GPS	1450	545625	6840010	4	
MMJNG069	9/19/2017	GPS	1446	545671	6839975	8	
MMJNG070	9/19/2017	GPS	1470	545699	6839876	7	
MMJNG071	9/19/2017	GPS	1472	545798	6839804	8	
MMJNG072	9/19/2017	GPS	1458	545913	6839725	14	
MMJNG073	9/19/2017	GPS	1458	545964	6839704	5	

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
MMJNG074	9/19/2017	GPS	1453	546019	6839665	5	
MMJNG075	9/20/2017	GPS	1444	544847	6840637	6	
MMJNG076	9/20/2017	GPS	1468	544604	6840818	14	
MMJNG077	9/20/2017	GPS	1465	544565	6840905	7	
MMJNG078	9/20/2017	GPS	1547	544269	6840902	5	Open meadow with limestone, conglomerate and phyllite cobbles. . Approximately 10 % of the rock contains quartz veins, however no sulphide mineralization was noted.
MMJNG079	9/20/2017	GPS	1544	544201	6841020	4	
MMJNG080	9/20/2017	GPS	1550	544175	6841038	3	
MMJNG081	9/20/2017	GPS	1605	544037	6841015	11	Massive scarp forming ridge in the beginning of the alpine. 50 + metres long.
MMJNG082	9/20/2017	GPS	1610	543999	6841080	10	
MMJNG083	9/20/2017	GPS	1452	544772	6840643	7	
MMJNG084	9/21/2017	GPS	1459	544784	6840634	5	

Appendix 6.2
Lithology Descriptions

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Colour	Grain Size	Notes
MMJNG058	outcrop		PCH	sandstone	phyllite	dark grey	fine-coarse	The outcrop is primarily coarse gritty sandstone tending to quartz-feldspar pebble conglomerate. Thin interbeds of phyllite occur as discontinuous partings, and are often found at the margins of quartz-carbonate veinlets. A swarm of 1 - 5 cm quartz veinlets occurs across a 8.0 meter interval, all of which has been sampled. The veins have a general orientation of 90 dipping south at 25-90 degrees. Variable amounts of pyrite and arsenopyrite were observed within the veins and as fine grained disseminations within the gritty sandstone unit. Not magnetic. Weathered surfaces are pitted from selective leaching of Fe-Carbonate - not excessively rusty.
MMJNG059	outcrop		PCH	sandstone	phyllite	dark brown	coarse-fine	Lithologic contact between phyllite and sandstone. Quartz veining is best developed in the hanging wall sandstone where densities approach 10 veins/meter, 1-5 cm in thickness.
MMJNG060	outcrop		PCH	sandstone	vein	pale brown	medium-fine	
MMJNG062	outcrop		PCH	sandstone	pebble conglomerate	pale brown	fine-coarse	Host rock is coarse grained sandstone to grit-pebble conglomerate. The outcrop is approximately 2.0 metres high and is rounded like a whale back. Over 1/2 of the outcrop was covered in moss and trees. The outcrop is beige and in places stained black (Mn-carbonate). Quartz grit to pebble sized rock fragments are pearly white, and subrounded to rounded. Phyllite partings are rare but do occur within the pebble conglomerate and are often light greenish grey in color.
MMJNG063	outcrop		PCH	phyllite		very pale white (greenish)	fine	Located north, and in the FW of JNTR17-001 - 003. Phyllite is characterized by mm scale partings, and is blue greenish-grey in color.
MMJNG064	outcrop		PCH	pebble conglomerate	sandstone	pale brown	fine-coarse	Large outcrop 10 x 20 m. Beige-white on weathered surfaces, quartz crystals are pearly white and generally subrounded. Surface of the outcrop is speckled with Fe-carbonate, generally rare. Quartz grains are highlighted by foliation wrapping around them - augen texture. The matrix is primairly clay-feldspar, white-grey in color and fine grained.
MMJNG065	rubble		PCH	vein	sandstone	greyish brown	medium-fine	Rubble crop located between TR17-003 and TR17-004. Sample of quartz vein material containing arsenopyrite. The adjacent outcrop/rubble crop is sandstone as previously described.
MMJNG067	float		PCH	skarn	phyllite	greyish brown	medium-fine	Banded skarn - subangular boulder - rare within with overall assortment of rock < 5 % is skarn. Grab sample taken of rusty quartz vein hosted within pebble conglomerate.
MMJNG068	talus		Kgd	granodiorite		pale brown	fine-coarse	Boulder is subrounded.
MMJNG070	rubble		Kgd	granodiorite		greyish brown	fine-coarse	Quartz crystals up to 10 mm in diameter. Biotite is altered to light grey-brown. Overall the rock looks altered, not fresh even on broken surfaces.
MMJNG071	outcrop		PCH	sandstone		pale brown	medium-fine	90 % sure that the sandstone is outcrop. Beige-white, fg-mg with rare quartz crystals > 5 mm, sheared and foliated.

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Colour	Grain Size	Notes
MMJNG075	outcrop		PCH	pebble conglomerate		greyish brown	coarse	Coarse grained quartz pebble conglomerate. Pebbles are on average > 10 mm. Rusty - weakly altered as a result of carbonate weathering from the matrix.
MMJNG076	subcrop		PCH	phyllite		very pale green	fine	Subcrop/outcrop? Light greenish grey, vfg-fg, soft, friable, platy. Chlorite porphyroblasts observed along foliation planes < 1 mm in diameter. Not magnetic, no reaction to HCl.
MMJNG077	float		PCH	pebble conglomerate		light grayish brown (reddish)	medium-fine	Chloritic phyllite incorporated into QPC where sulphide mineralization occurs. Possible reactive substrate for sulphide mineralization.
MMJNG080	talus		PCH	sandstone		light grey	medium-fine	Boulder @ base of talus slope. Contains quartz-carbonate veinlets up to 3 cm wide, density could be up to 3-5 vn/m. Folded, chloritic selvage - remnant phyllite @ vein contacts. Rare ribbons of carbonate-pyrite occur through out the veins.
MMJNG082	outcrop		PCH	conglomerate	limestone	light grayish brown (reddish)	coarse-very fine	Conglomerate-limestone. Buff orange-grey, rock fragments < 1 mm to > 150 mm. Flattened, elongate parallel to bedding. Rock fragments consist of quartz pebbles, grit, black crystalline limestone, dolomitic rock fragments.
MMJNG083	outcrop		PCH	phyllite	vein	very pale green	fine	Phyllite hosts 60 cm quartz vein. The vein appears to be concordant with foliation, difficult to determine based upon the limited exposure.
MMJNG084	rubble		PCH	vein		light grey	medium-fine	Quartz vein hosted within large rubble crop/boulder of quartz pebble conglomerate. Vein is white with trace iron carbonate and subhedral twinned crystals of arsenopyrite.

Appendix 6.3
Alteration Descriptions

Friday, January 19, 2018

Station Number	Assemblage	Assemblage Generation	Process	Texture	Distribution	Intensity (1-5)	Notes
MMJNG058	silica-carbonate		replacement	vein halo	halo	4	Alteration intensifies in areas with high vein densities. Pervasive through out coarse grained sandstone units.
MMJNG059	silica-carbonate		replacement	pervasive	halo	4	
MMJNG062	silica-sericite-carbonate	1	replacement	selective	halo	2	Sericite is pervasive through sandstone/grit units as greenish white mica, interstitial to the quartz grains.
MMJNG062	pyrolysite	2	replacement	patchy	selective	3	Pyrolusite found encrusting quartz veins - typically more evident where the veins contain arsenopyrite and pyrite mineralization.
MMJNG067	silica	1	static recrystalization	hornfels	selective	2	
MMJNG070	limonite	1	replacement	selective	selective	3	Biotite is selectively altered to limonite.
MMJNG071	sericite	1	replacement	selective	selective	2	
MMJNG075	carbonate		replacement	selective	selective	2	Limonite after carbonate within the matrix of the rock.
MMJNG076	chlorite	0	static recrystalization	porphyroblastic	regional	1	
MMJNG080	chlorite	1	replacement	vein halo	halo	2	
MMJNG083	carbonate	1	replacement	selective	selvage	2	

Appendix 6.4
Mineralization Description

Friday, January 19, 2018

Station Number	Code	Style	Oxidation (1-5)	Notes
MMJNG058	Pyrite-Arsenopyrite	disseminated	1	Pyrite and Arsenopyrite are commonly observed within quartz veinlets but also occur as rare disseminations within the coarse grained sandstone.
MMJNG059	Pyrite	blebby	3	
MMJNG060	Pyrite	trace	2	
MMJNG062	Pyrite	trace	2	Mineralization is observed within veinlets and rarely as disseminations within the stockwork veins.
MMJNG062	Pyrite-Arsenopyrite	veinlets	2	Arsenopyrite+/-pyrite veinlets occur as wispy, dark black streaks within white quartz. Weathered surfaces display scordite and pyrolusite. Veinlets are subhorizontal to moderately north dipping.
MMJNG065	Arsenopyrite	blebby	2	
MMJNG067	Pyrite	trace	2	
MMJNG074	Pyrite-Pyrrhotite	blebby	3	
MMJNG077	Pyrrhotite	blebby	2	Pyrrhotite is magnetic.
MMJNG081	Chalcopyrite	trace	0	Very rare, blebby chalcopyrite.
MMJNG084	Arsenopyrite	trace	0	Rare twinned xls of arsenopyrite observed within the vein.

Appendix 6.5
Geologic Structure Descriptions

Friday, January 19, 2018

Station Number	Structure Number	Name	Phase	Azimuth	Dip	Quality (1-5)	Plotted	Notes
MMJNG058		slickenline		122	11	good	☐	
MMJNG058		veinlet (<10cm)		105	25	good	☐	
MMJNG058		veinlet (<10cm)		95	56	good	☐	
MMJNG058		veinlet (<10cm)		90	71	good	☐	
MMJNG058		veinlet (<10cm)		92	90	good	☐	
MMJNG058		veinlet (<10cm)		92	46	good	☐	
MMJNG058		foliation (dominant)		265	70	moderate	☐	
MMJNG059		contact - lithologic		271	43	good	☐	
MMJNG059		veinlet (<10cm)		125	67	good	☐	
MMJNG059		vein (>10cm)		352	43	good	☐	
MMJNG060		vein (>10cm)		322	52	good	☐	
MMJNG062		veinlet (<10cm)		110	5	moderate	☐	Arsenopyrite veinlet
MMJNG062		veinlet (<10cm)		82	75	good	☐	Congugate set of veining.
MMJNG062		vein (>10cm)		105	60	moderate	☐	Vein containing aspy, py. Approximately 1.2 metres wide.
MMJNG062		veinlet (<10cm)		113	62	good	☐	
MMJNG063		foliation (dominant)		265	74	good	☐	
MMJNG063		fold axis		82	10	good	☐	
MMJNG064		foliation (dominant)		280	76	good	☐	
MMJNG064		veinlet (<10cm)		55	76	moderate	☐	
MMJNG071		foliation (dominant)		264	73	moderate	☐	
MMJNG075		veinlet (<10cm)		110	52	good	☐	
MMJNG076		foliation (dominant)		68	41	moderate	☐	
MMJNG081		bedding	0	261	46	moderate	☐	
MMJNG081		tension gash		205	46	moderate	☐	
MMJNG082		bedding		267	45	good	☐	
MMJNG083		vein (>10cm)		246	71	moderate	☐	

Appendix VII

Geochronolgy Report

Geochronology of the Justin Pluton, Hyland River area, Yukon

For ABEN Resources Ltd.

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MDRU-Mineral Deposit Research Unit
August 2017

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MDRU
Mineral Deposit Research Unit

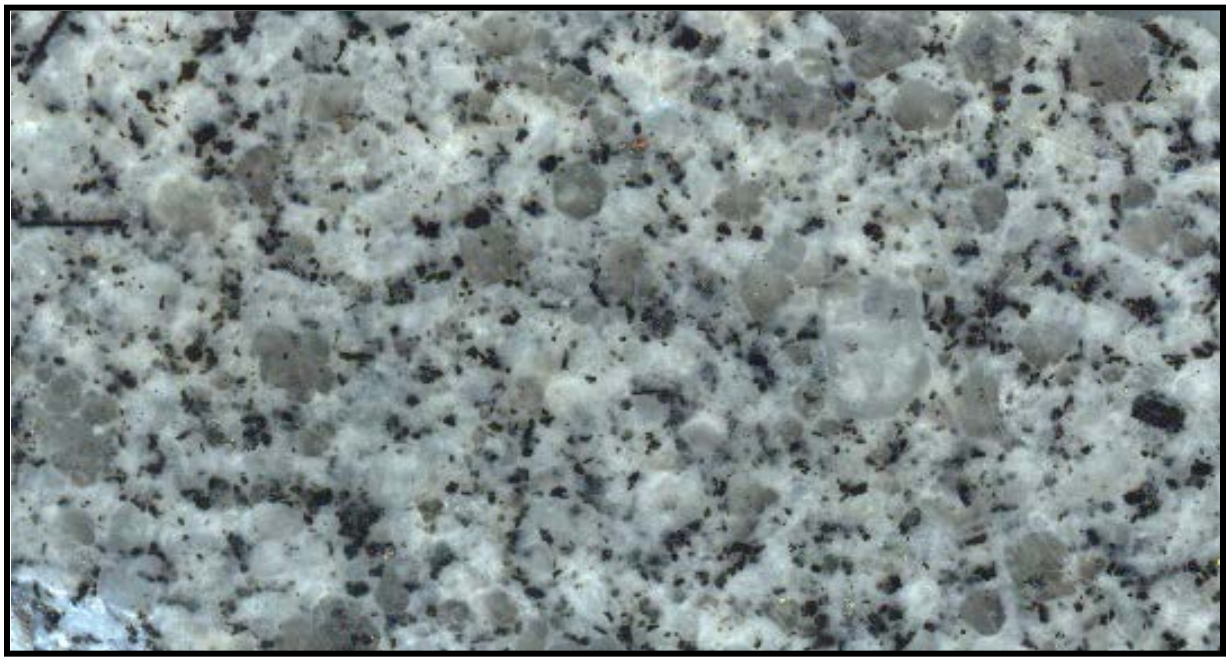
This Report contains observations, analytical results and interpretations of the age of the Justin pluton in the Hyland River valley of southeast Yukon. This rock represents the magma that was responsible for the several types of mineralization at the Justin occurrence.

Information herein, is best considered with a previous report prepared for TerraLogic, as contractors for Aben Resources Ltd., in 2012.

Petrographic Report: JN12-013 160m

Sample JN12-013 160m

Rock Description: Granite Porphyry



Mineral	Abundance	Description
Phenocrysts	**40%**	
Plagioclase	21%	Zoned. Subhedral-euhedral. 0.5-2mm
Quartz	15%	Subhedral. 1-5mm
Potassium Feldspar	4%	Subhedral. 0.5-2mm
Groundmass	**60%**	
Quartz	35%	Subhedral. 0.1mm
K feldspar	15%	Slightly altered by clays/ fluid inclusion rich 0.1-0.5mm
Biotite	7%	Subhedral-euhedral 0.25-2mm
Plagioclase	3%	Subhedral. 0.1-0.5mm
Chlorite	<1%	Replacing biotite 0.25-2mm
Opaques	<1%	Anhedral, in small veinlets and associated with mafics
Apatite	<1%	Euhedral, within biotite
Zircon	<1%	Within biotite

Thin Section Description:

Sample JN2013 160 m is a granite porphyry consisting of subhedral-euhedral plagioclase and quartz phenocrysts in a quartz-rich groundmass. Phenocrysts range in size from 1-5mm in a groundmass that averages about 0.1mm in size. Plagioclase phenocrysts are zoned and contain stress fractures. Biotite is subhedral-euhedral and is occasionally being replaced by chlorite.

Photos:

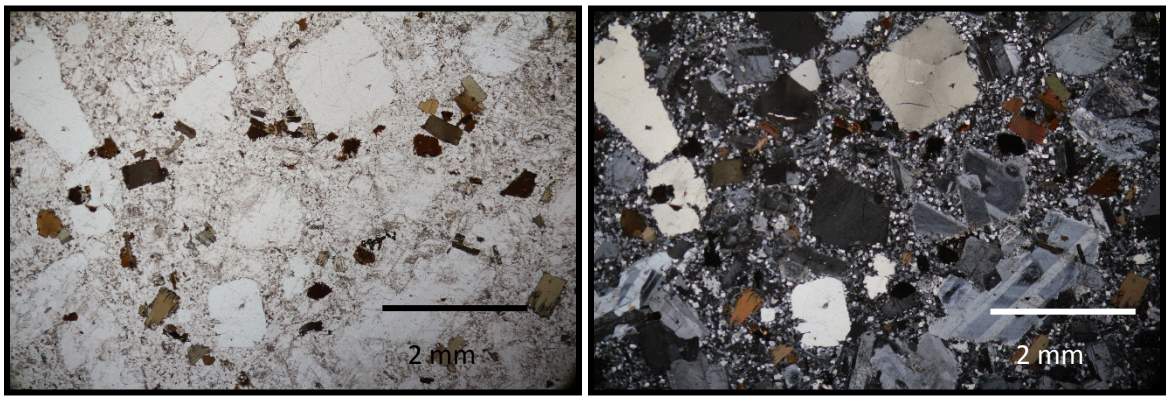


Figure 1 Representative thin section in PPL and XPL at 2X magnification

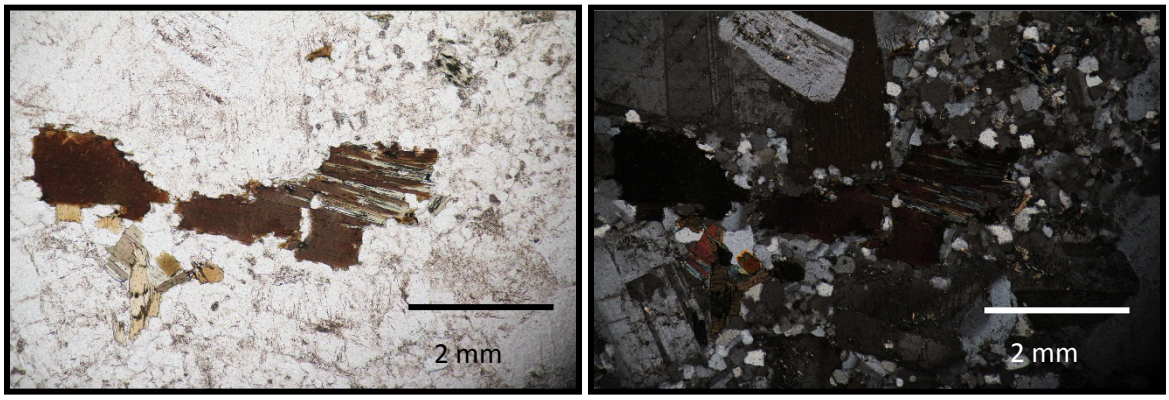


Figure 2 Chlorite and biotite in PPL and XPL at 2X magnification.

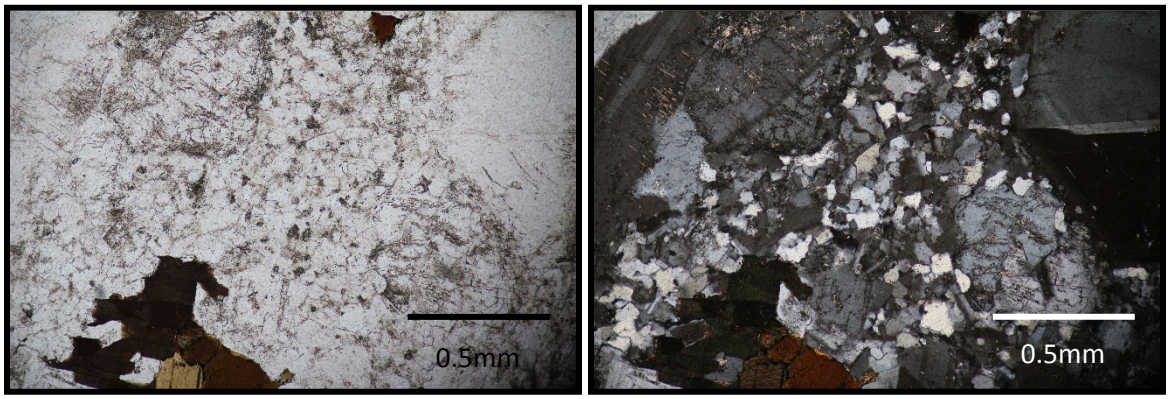


Figure 3 Quartz rich groundmass in PPL and XPL at 10X magnification

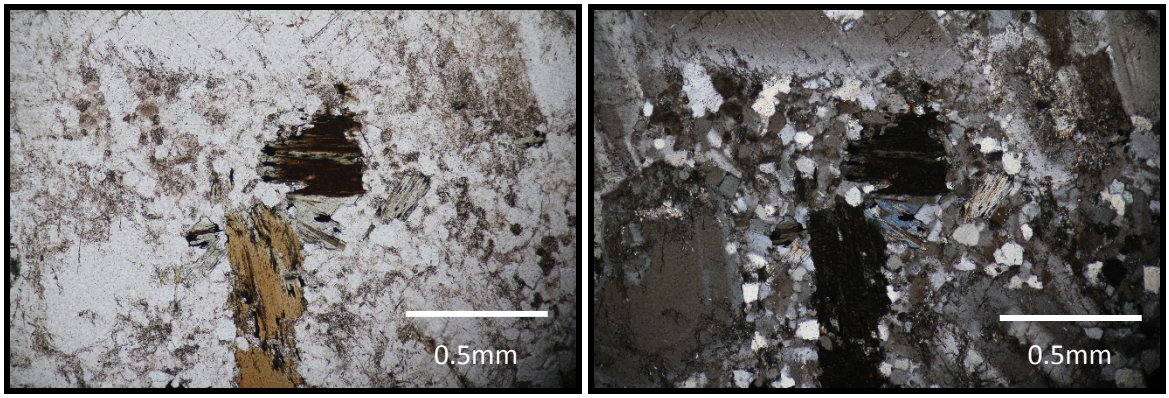


Figure 4 Chlorite and biotite in PPL and XPL at 10X magnification

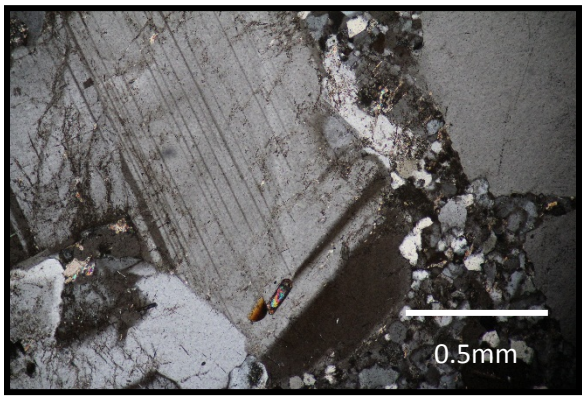


Figure 5 Zircon in plagioclase in XPL at 10X magnification

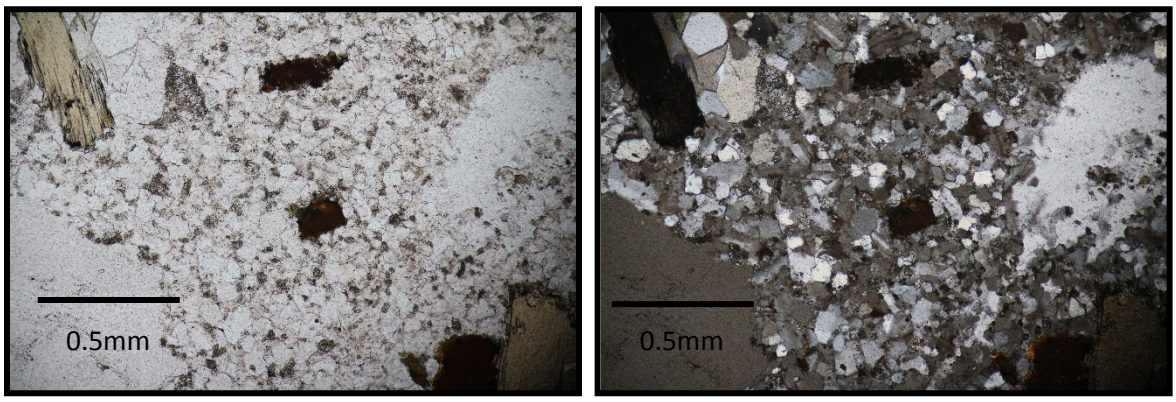
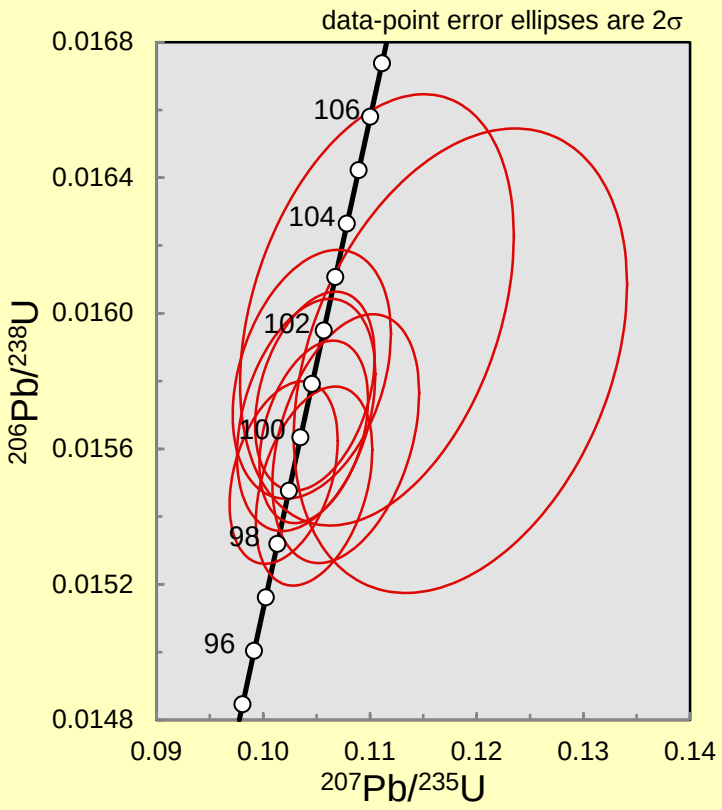
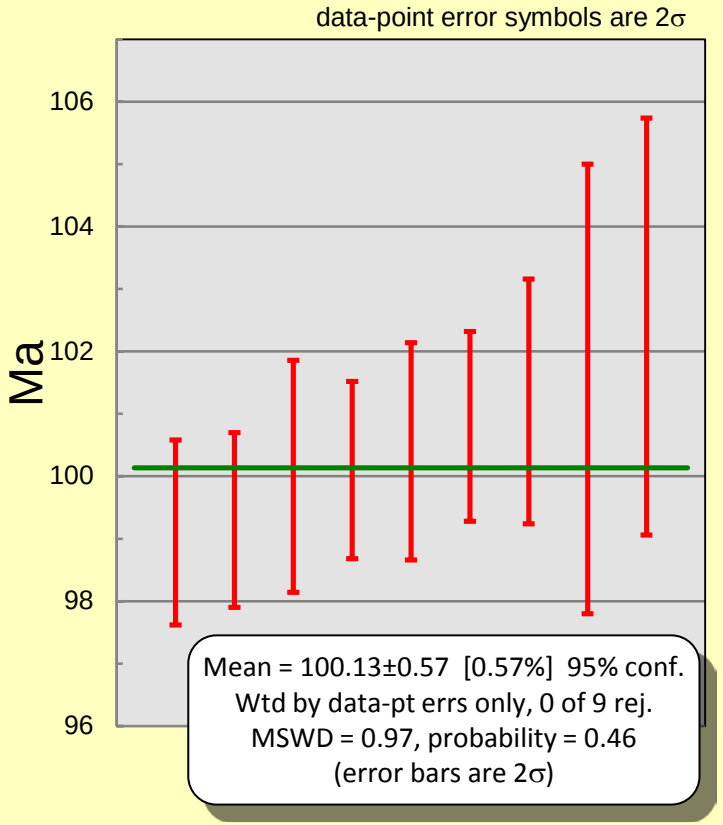


Figure 6 Potassium feldspar rich section of the groundmass in PPL and XPL at 10X magnification

Justin Intrusion – JN12-013 160m





The concordia plot (left) shows numerous overlapping determinations, the size of the ellipse indicates the size of the 2σ error. The date of the Pb^{206}/U^{238} ratios is generally considered more accurate due to the greater abundance of U^{238} in the zircons. Nine fractions considered to be the best quality analyses of the best quality zircons collectively contribute to establishing a mean which statistically provides a best date of 100.1 ±0.6 Ma.

Geochron & Conclusions

- Analysis of U and Pb isotopic compositions of selected zircons were by laser ablation-inductively coupled plasma mass spectrometry (LA-ICP-MS)
- Twenty-grains were analysed, five of these were deemed to have inheritance of ancient components as old as 2.67 Ga. Analyses of four grains indicate a very small amount of inheritance or increased error, that contribute to slightly older than reasonable ages of 98 to 133 Ma. Two grains are younger than reasonable 93.5 and 94.1 Ma and may have suffered some minor radiogenic Pb loss. The nine remaining fractions yield 206/238 ages that have a mean of **100.13±0.57** Ma which is interpreted as the most likely age of this intrusion.
- The nature of the pluton, the composition of the rock, and this age date are all consistent with it representing a member of the **Tungsten Plutonic Suite**. Most representatives are slightly younger at 99-98 Ma. This date affirms the mineralizing potential of these rocks that are underlying and adjacent to the Justin property.
- These plutons in general, and the Justin pluton in particular, have the potential to generate large **tungsten skarn** deposits, reduced **intrusion-related gold deposits**, **gold skarn** and **emerald** occurrences.

Analytical Results

Laser Ablation Analysis Results

	Age estimates with 1 sigma uncertainty (Ma)						Isotopic Ratios with absolute errors				
	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	207Pb/206Pb	207Pb/206Pb	207Pb/235U	207Pb/235U	206Pb/238U	206Pb/238U	Rho
Analysis No.	Ma	+/- 1s Error	Ma	+/- 1s Error	Ma	+/- 1s Error	Ratio	1s Error	Ratio	1s Error	
JN12013-1	93.5	1.84	94.9	0.68	26.9	46.95	0.0965	0.0020	0.0148	0.0001	0.3595
2	94.2	1.91	97.7	0.73	23.7	48.41	0.0972	0.0021	0.0153	0.0001	0.3383
5	101.2	2.05	99.1	0.74	98.7	49.27	0.1048	0.0022	0.0155	0.0001	0.3640
19	98.5	1.91	99.3	0.70	102.3	44.97	0.1019	0.0021	0.0155	0.0001	0.3487
3	103.9	2.58	100.0	0.93	283.4	57.25	0.1077	0.0028	0.0156	0.0002	0.3680
13	101.1	1.91	100.1	0.71	210.9	43.59	0.1047	0.0021	0.0157	0.0001	0.3539
16	100.5	2.44	100.4	0.87	142.8	56.63	0.1040	0.0027	0.0157	0.0001	0.3501
15	101.2	2.10	100.8	0.76	163.2	48.30	0.1049	0.0023	0.0158	0.0001	0.3484
10	101.0	2.78	101.2	0.98	142.0	64.92	0.1046	0.0030	0.0158	0.0002	0.3272
14	113.7	5.79	101.4	1.80	452.9	113.64	0.1185	0.0064	0.0159	0.0003	0.3279
4	133.7	5.89	101.9	1.81	626.3	94.93	0.1408	0.0066	0.0159	0.0003	0.3871
9	98.3	1.58	102.3	0.61	87.3	38.99	0.1016	0.0017	0.0160	0.0001	0.3715
7	106.6	4.79	102.4	1.67	246.5	103.02	0.1107	0.0052	0.0160	0.0003	0.3430
17	106.4	2.34	102.9	0.82	195.2	50.67	0.1105	0.0026	0.0161	0.0001	0.3488
6	98.4	3.00	103.9	1.12	30.5	73.21	0.1018	0.0033	0.0163	0.0002	0.3468
20	898.6	9.85	683.7	3.38	1508.1	21.30	1.4228	0.0235	0.1119	0.0006	0.3137
12	997.9	9.56	765.2	3.42	1631.0	17.95	1.6720	0.0252	0.1260	0.0006	0.3164
8	1094.5	26.68	1144.9	10.34	1097.9	41.09	1.9385	0.0772	0.1944	0.0019	0.2481
18	2025.3	25.18	2073.4	11.43	2037.4	20.80	6.3493	0.1822	0.3794	0.0025	0.2250
11	2668.5	25.95	2593.4	12.21	2763.7	14.85	12.8465	0.3539	0.4953	0.0028	0.2074

Shaded analyses not included in calculated age.

Appendix VIII

Mineralogical Report

MINERALOGICAL NOTE

To: Mike McCuaig
Date: November 9, 2017
Re: JNTR17-004 and Comparison Sample

Two samples were submitted to Process Mineralogical Consulting Ltd for mineralogical investigation. The samples were identified as JNTR17-004 and Comparison Sample. Each sample was cut and prepared into one polished block and one polished thin section. Each polished block section was systematically scanned using the Tescan Integrated Mineral Analyser (TIMA) equipped on the Tescan Vega Scanning Electron Microscope to identify and map the mineral species present in each sample. Polished thin sections were inspected using transmitted and reflected light microscopy to identify the major minerals and mineral associations within the samples.

Major findings from this study:

1. Both sample JNTR17-004 and the comparison were observed to contain gold mineralization. Gold in sample JNTR17-004 was observed as individual small (<10 µm) anhedral grains of native gold associated with arsenopyrite, quartz, and scorodite. Gold grains contained up to 15 wt. % Ag. The Comparison Sample hosts large gold grains (<0.5 mm) associated with the quartz and arsenopyrite veins observed via stereoscopic investigation of the hand sample, but no gold was observed in the thin section or polished section of the comparison sample, indicating that the gold mineralization is nuggety. No other precious metal or Te-bearing phases were observed in either sample.
2. Gold mineralization in sample JNTR17-004 appears to have been introduced during the arsenopyrite veining event as native gold inclusions in arsenopyrite and quartz. The arsenopyrite veins were later altered by fluids that removed sulfur from the system, releasing some of the gold grains from arsenopyrite and altering arsenopyrite to scorodite and lollingite.
3. The two samples exhibit similar mineralogical assemblages and alteration style (Fe-oxide staining of quartz, alteration of arsenopyrite to scorodite). Sample JNTR17-004 exhibits extensive arsenopyrite veining which is host to micro-sized gold grains, and only minor Fe-oxide staining. The comparison sample, however, shows more significant Fe-oxide staining and larger gold grains that are not necessarily associated with the small arsenopyrite veinlets.

Sample JNTR17-004:

1. Sample JNTR17-004 is a white and grey and brown quartz pebble conglomerate with abundant arsenopyrite-scorodite veining and minor Fe-oxide alteration (Figures 1, 2). The sample is

composed predominantly of granoblastic quartz (80%) which ranges from fine to coarse grained. Dark grey veining within the sample is composed mainly of fine- to medium-grained arsenopyrite and fine-grained scorodite with minor chlorite, biotite, sericite, As-bearing pyrite, and lollingite.

2. Arsenopyrite forms as euhedral to anhedral gains that range in size from 13 µm to 1 mm (Figures 5-8). Arsenopyrite is observed to be cutting large quartz grains within the quartz pebbles. Quartz grains within or proximal to the vein exhibit small grain sizes and form interstitial to the arsenopyrite. Grains closer to the center of the vein display more fracturing and "rounded" textures and exhibit partial to complete rims of scorodite.
3. This sample indicates that the major gold mineralizing event involved the introduction of arsenopyrite veins. Gold formed as small inclusions within arsenopyrite and quartz within the vein (Figures 12-15). A post-mineralizing hydrothermal or metamorphic event introduced oxidizing fluids along the arsenopyrite veins, causing partial dissolution of the arsenopyrite (Figure 11) and extensive alteration of arsenopyrite to scorodite and minor lollingite (Figures 3, 4, 10, 13, 15). This post-mineralization event also resulted in the liberation of some gold grains (Figure 13) due to the dissolution of arsenopyrite.

Comparison Sample

1. The comparison sample is composed of white medium- to coarse-grained quartz with irregular red-orange Fe-oxide staining with trace amounts of fine- to medium-grained hematite, arsenopyrite and native gold (Figures 16, 17). Hematite occurs as small grains (<0.5 mm) within the Fe-oxide stained quartz (Figures 20, 21). Arsenopyrite is found as either individual <0.5 mm grains within the quartz or as fine grains within small dark-coloured veinlets. Gold is associated with quartz and arsenopyrite veins and is nuggety, as it was observed as <0.5 mm grains during stereoscopic examination of the hand sample, but none was observed in thin section or polished section (Figures 22, 23).

November 27, 2017

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Lab work carried out by:

Dave Clark, Mineralogical Technologist

Appendix I

Images and Photomicrographs of
*Sample **JNTR17-004***

Figure 1: Hand sample weathered surface showing extensive black-brown manganese staining

Figure 2: Hand sample cut surface showing quartz clasts (white) with arsenopyrite-scorodite veining (black)

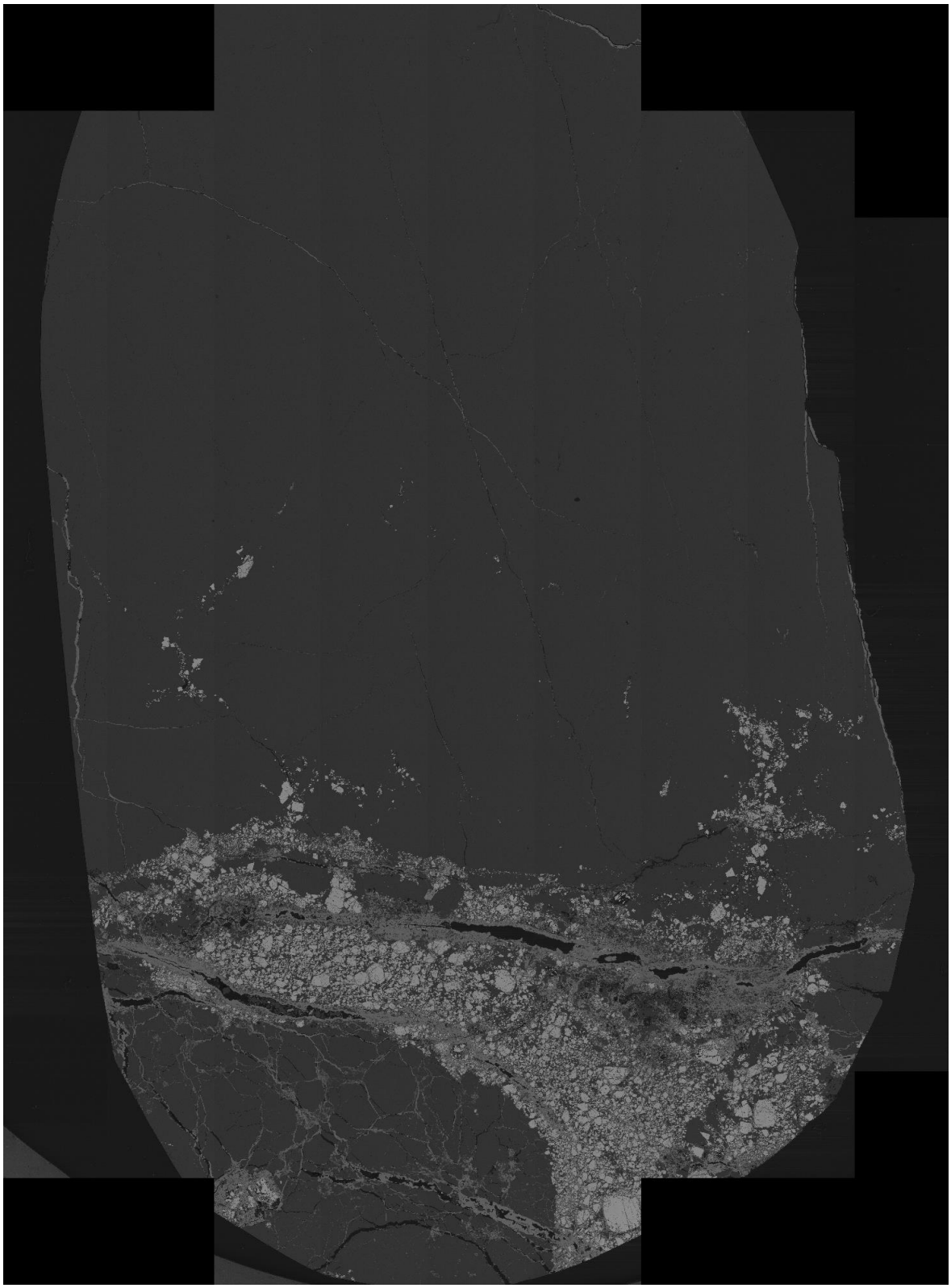

Figure 3: Electron backscatter panorama image of polished block section.

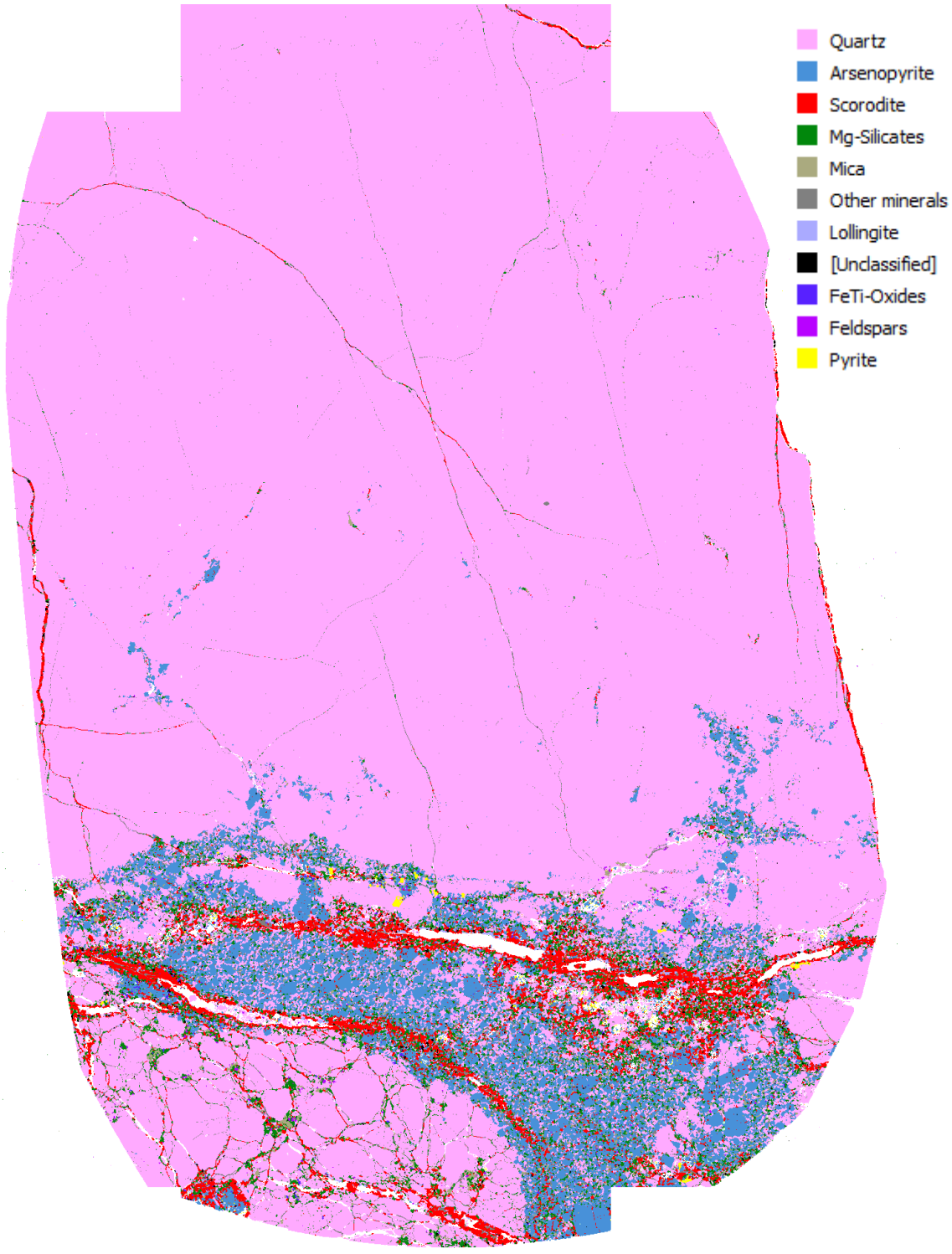

Figure 4: Digital panorama of polished block section analyzed by TIMA.

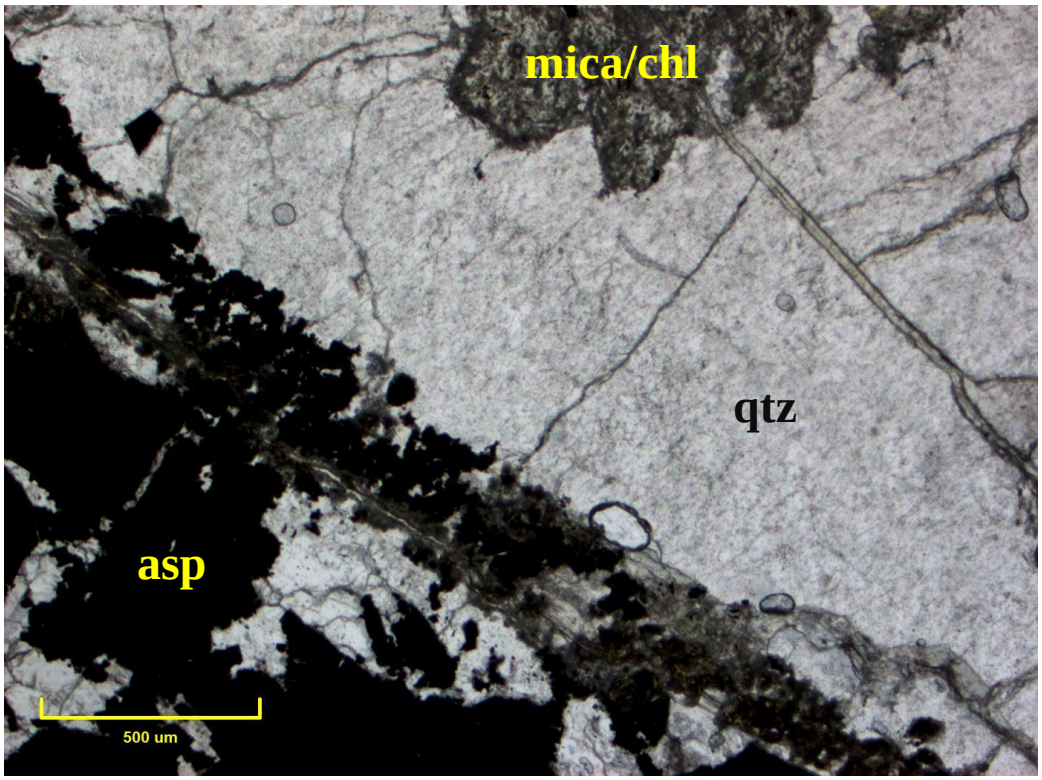

Figure 5: Plane polarized light (PPL) photomicrograph showing texture of veining. Mineral abbreviations: asp: arsenopyrite, qtz: quartz, mica/chl: mixture of sericite, biotite and chlorite

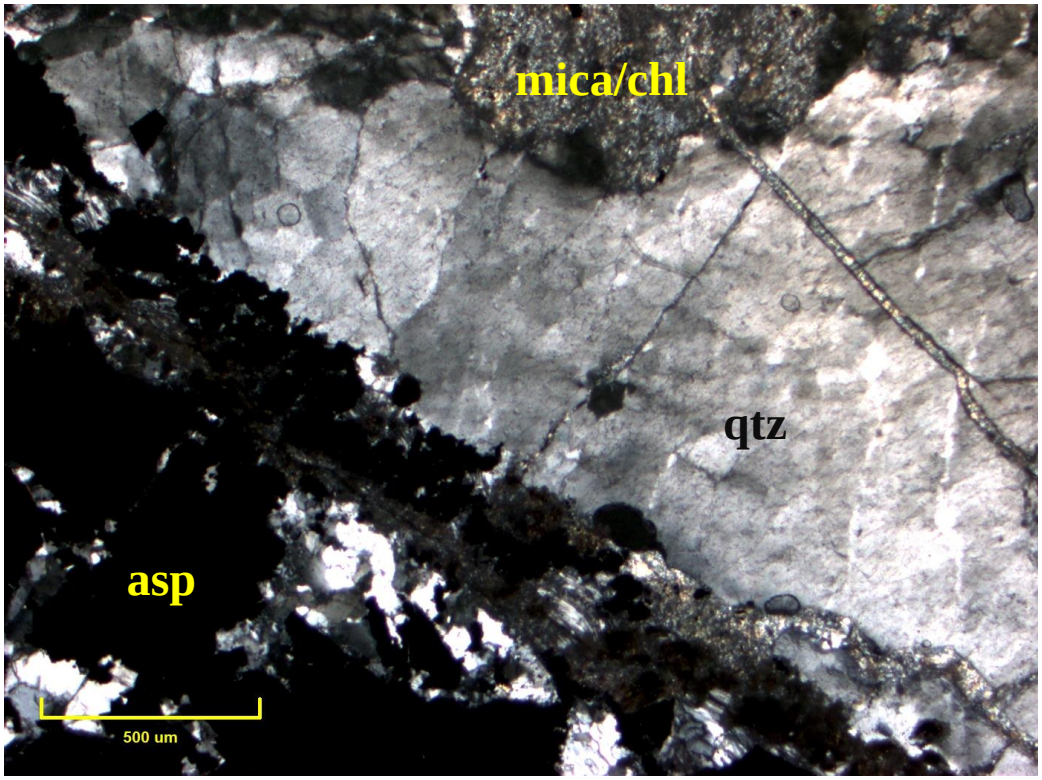

Figure 6: Cross polarized light (XPL) photomicrograph showing texture of veining. Mineral abbreviations: asp: arsenopyrite, qtz: quartz, mica/chl: mixture of sericite, biotite and chlorite

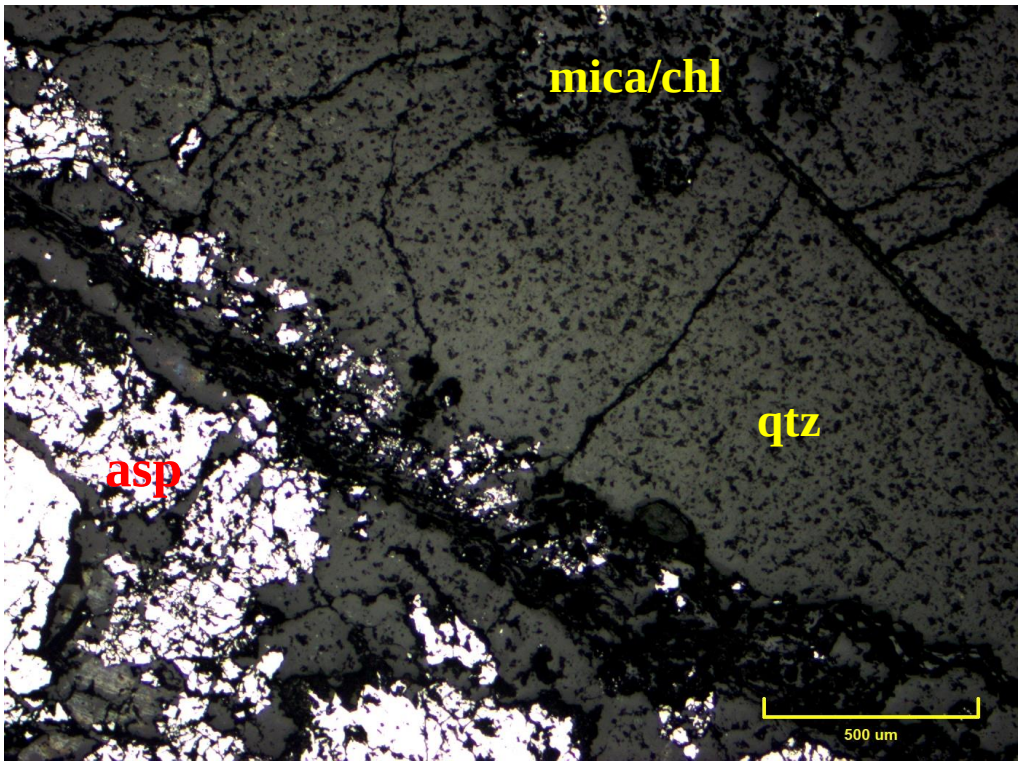

Figure 7: Reflected light (RL) photomicrograph showing texture of veining. Mineral abbreviations: asp: arsenopyrite, qtz: quartz, mica/chl: mixture of sericite, biotite and chlorite

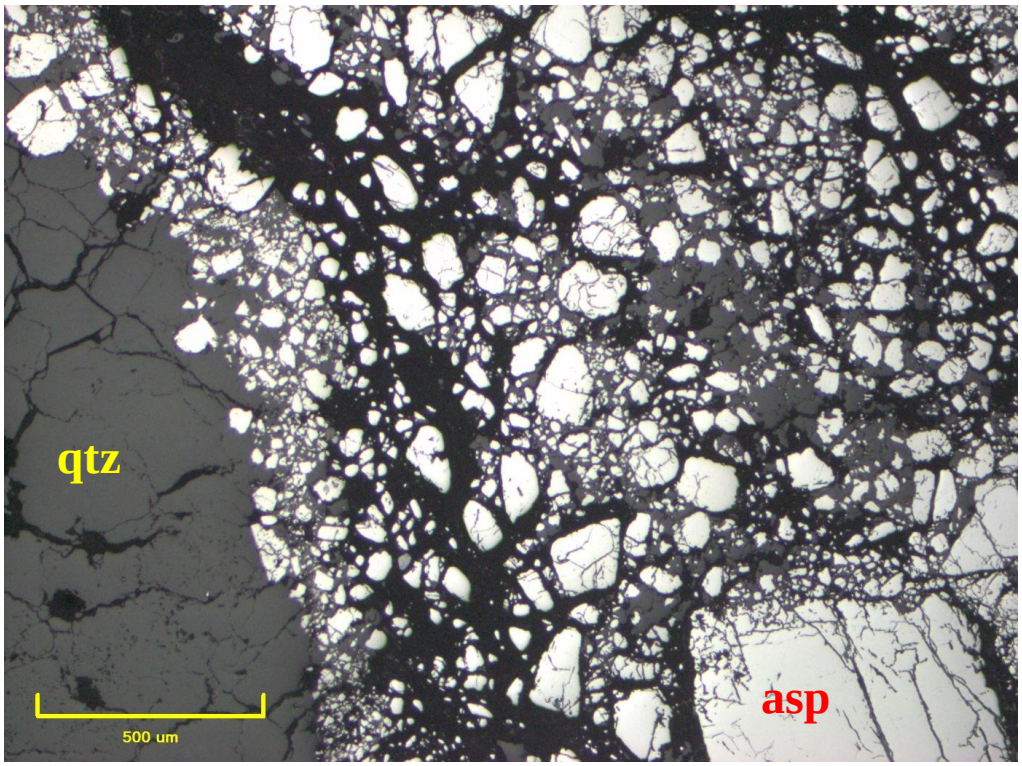

Figure 8: Reflected light (RL) photomicrograph showing the texture and size of arsenopyrite grains in veins. Mineral abbreviations: asp: arsenopyrite, qtz: quartz.

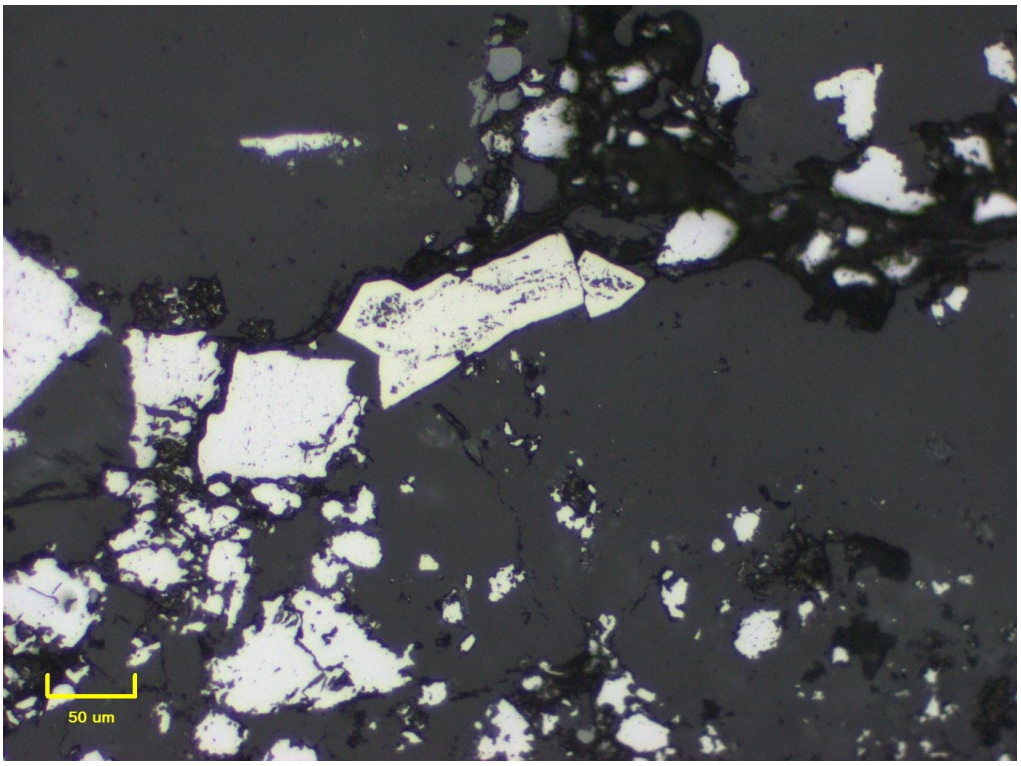

Figure 9: Reflected light (RL) photomicrograph of pyrite grains (cream) in arsenopyrite (white) vein.

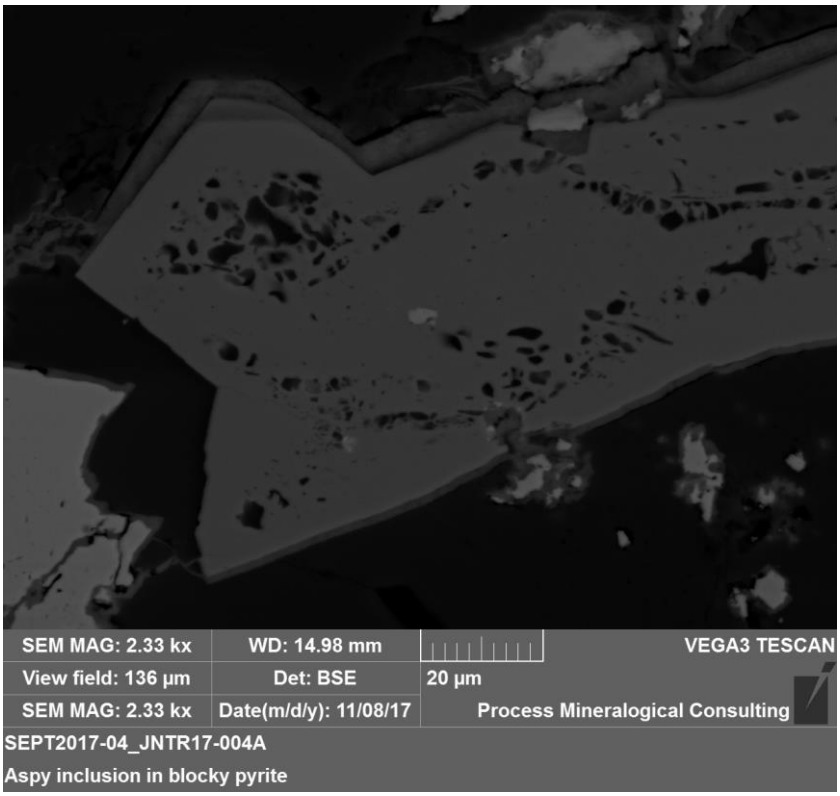

Figure 10: Electron backscatter image of inclusion-bearing pyrite grain (grey) with scorodite rim (dark grey) in arsenopyrite vein.

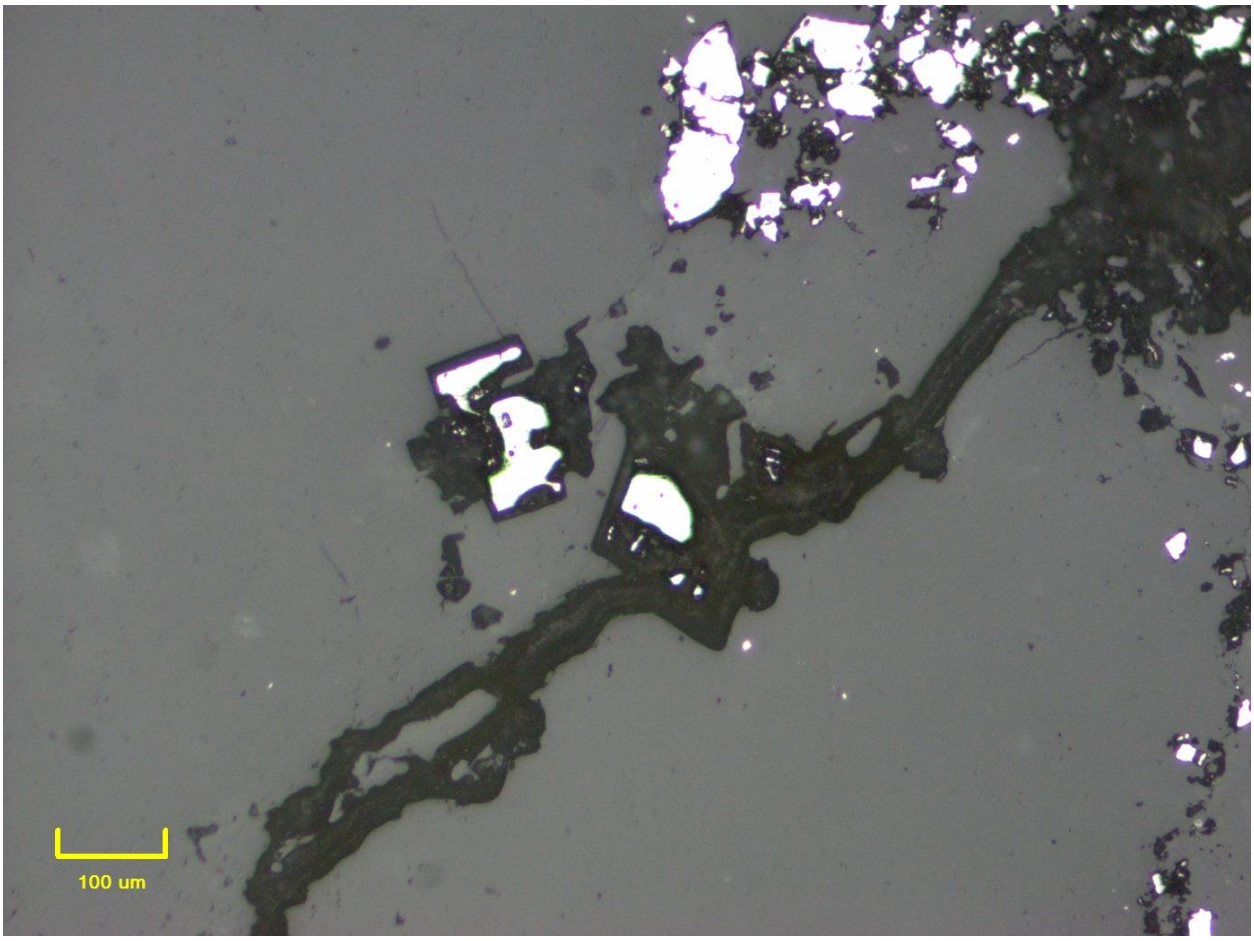

Figure 11: Reflected light (RL) photomicrograph of partially resorbed arsenopyrite (white) along fracture in quartz.

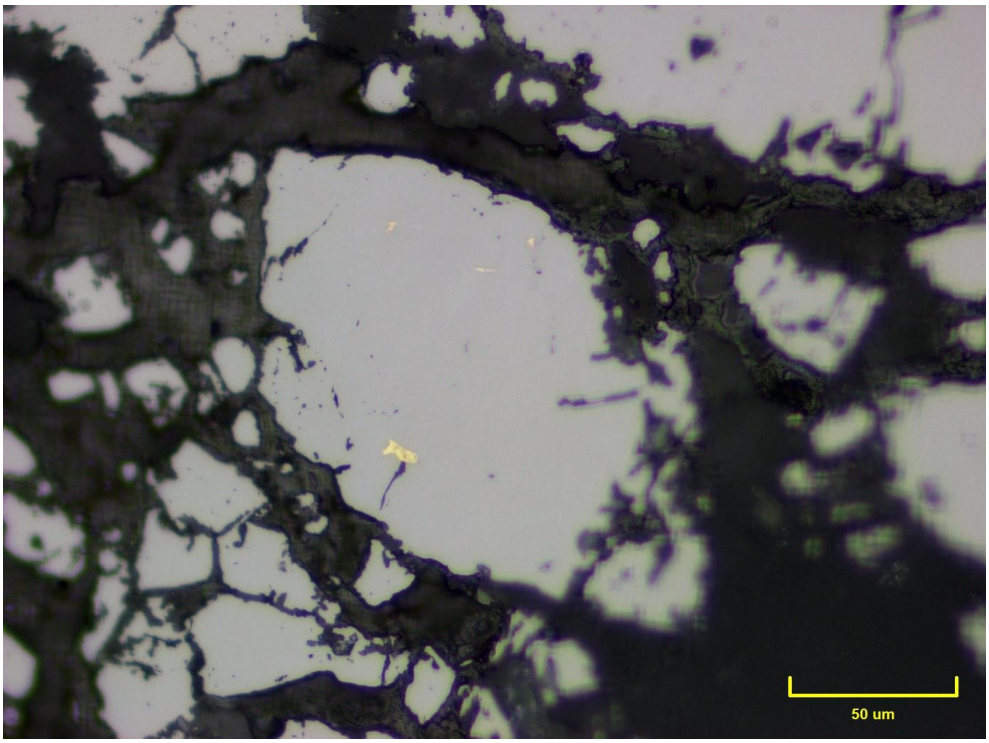

Figure 12: Reflected light (RL) photomicrograph of gold grains (yellow) in arsenopyrite (light grey).

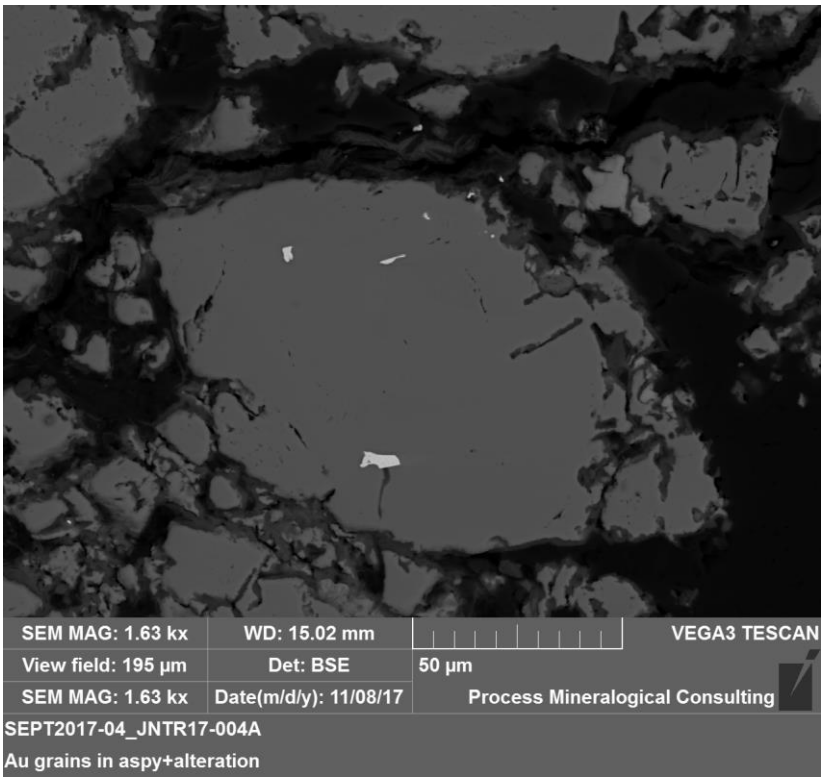

Figure 13: Electron backscatter image of gold grains (white) in arsenopyrite (grey). Note thin rim of scorodite (dark grey) around arsenopyrite grains and the presence of gold and galena grains that have been liberated due to partial dissolution of the arsenopyrite

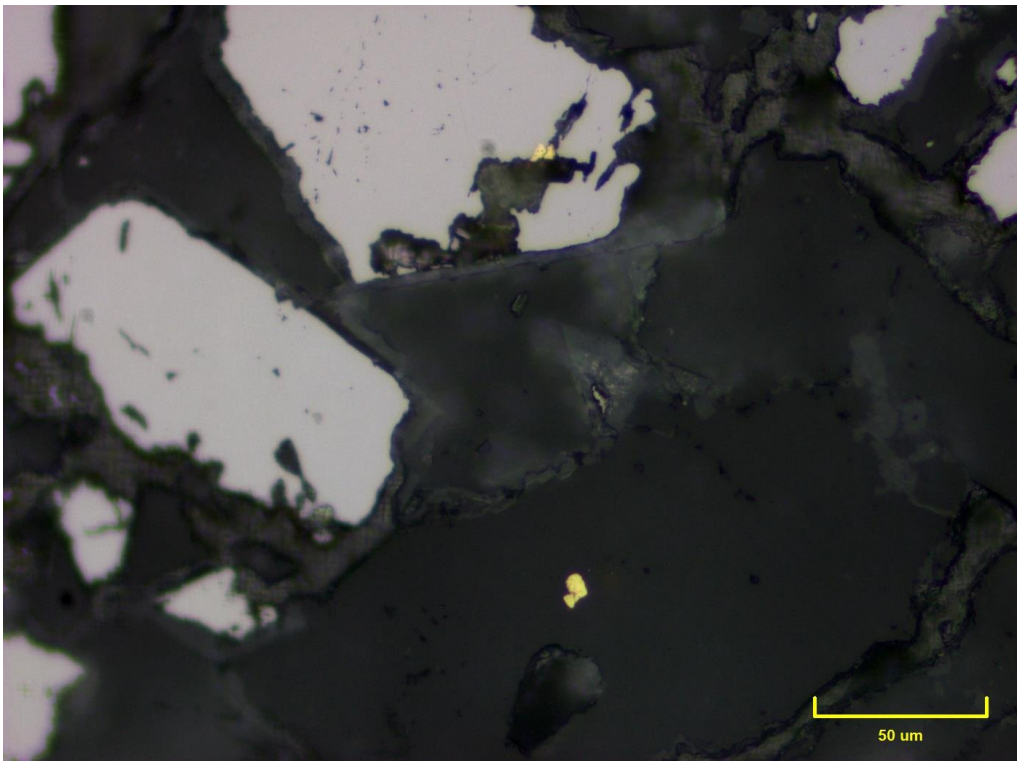

Figure 14: Reflected light (RL) photomicrograph of gold grains (yellow) in quartz (black).

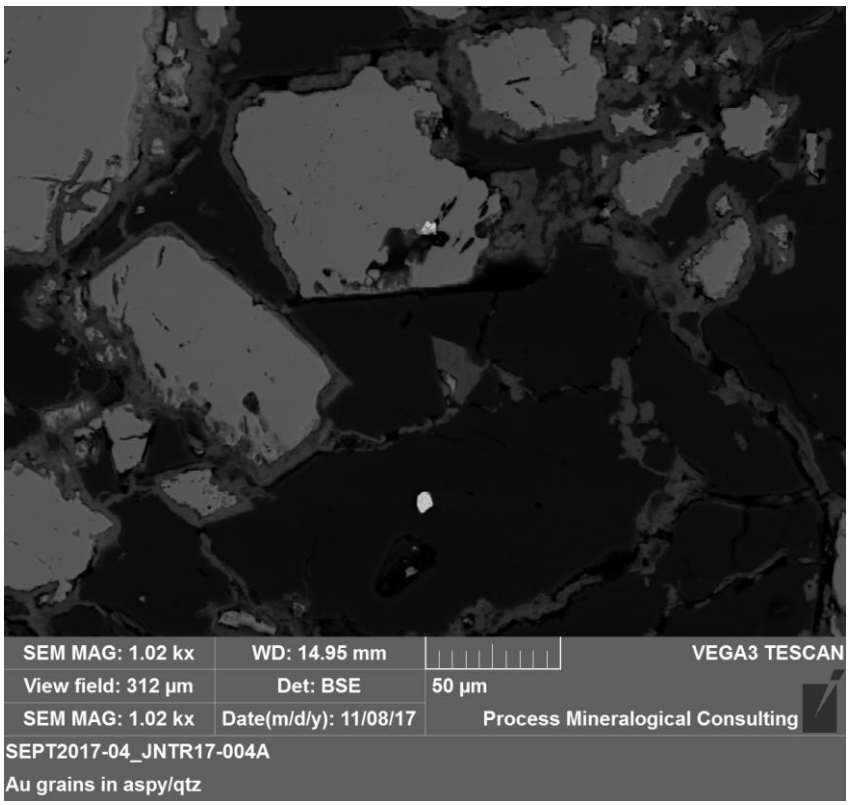

Figure 15: Electron backscatter image of gold grains (white) in quartz (black). Note scorodite rims (dark grey) around arsenopyrite (grey) and filling interstitial space between quartz grains