Technical Report for the
Geological and Geochemical Program
Justin Property
Yukon Territory

Volume I – Report

61º39'N, 128º6'W

NTS map sheet 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
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Work Performed from August 31st – September 11th, 2018

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INTRODUCTION

Field Program Objectives

The 2018 field program largely consisted of geological and geochemical investigations at the Lost Ace mineral occurrence. Field crews conducted a detailed soil sampling, trenching and rock sampling program designed to further evaluate the tenor and distribution of gold mineralization discovered during the 2017 field program. In addition field crews complete reconnaissance soil and till sampling on outlying areas of the Justin claim group interpreted to be prospective for precious metal mineralization.

Location and Access

The Justin Property is located in the southeastern Yukon Territory approximately 190.0 kilometres north of Watson Lake (Figure 1). The claim group is located within the Watson Lake Mining District, NTS map sheet 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.

Yukon Highway 10, also known as the Nahanni Range Road, passes through the westernmost portion of the property. The road was rehabilitated in 2002 with the re-opening of the CANTUNG tungsten mine and provides all-weather, all-season access to the property area.

Helicopter access to the property is equidistant from Watson Lake or Ross River. Equipment and personnel can be mobilized from the Justin Base Camp located at kilometre 143.0 of the Nahanni Range Road.

The property is covered by fairly rugged glaciated terrain typical of the Logan Mountains with elevations ranging from 1,050.0 to 2,000.0 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 north-south trending valleys with deep west-northwest trending glacial valleys along the northern and southern property boundaries.

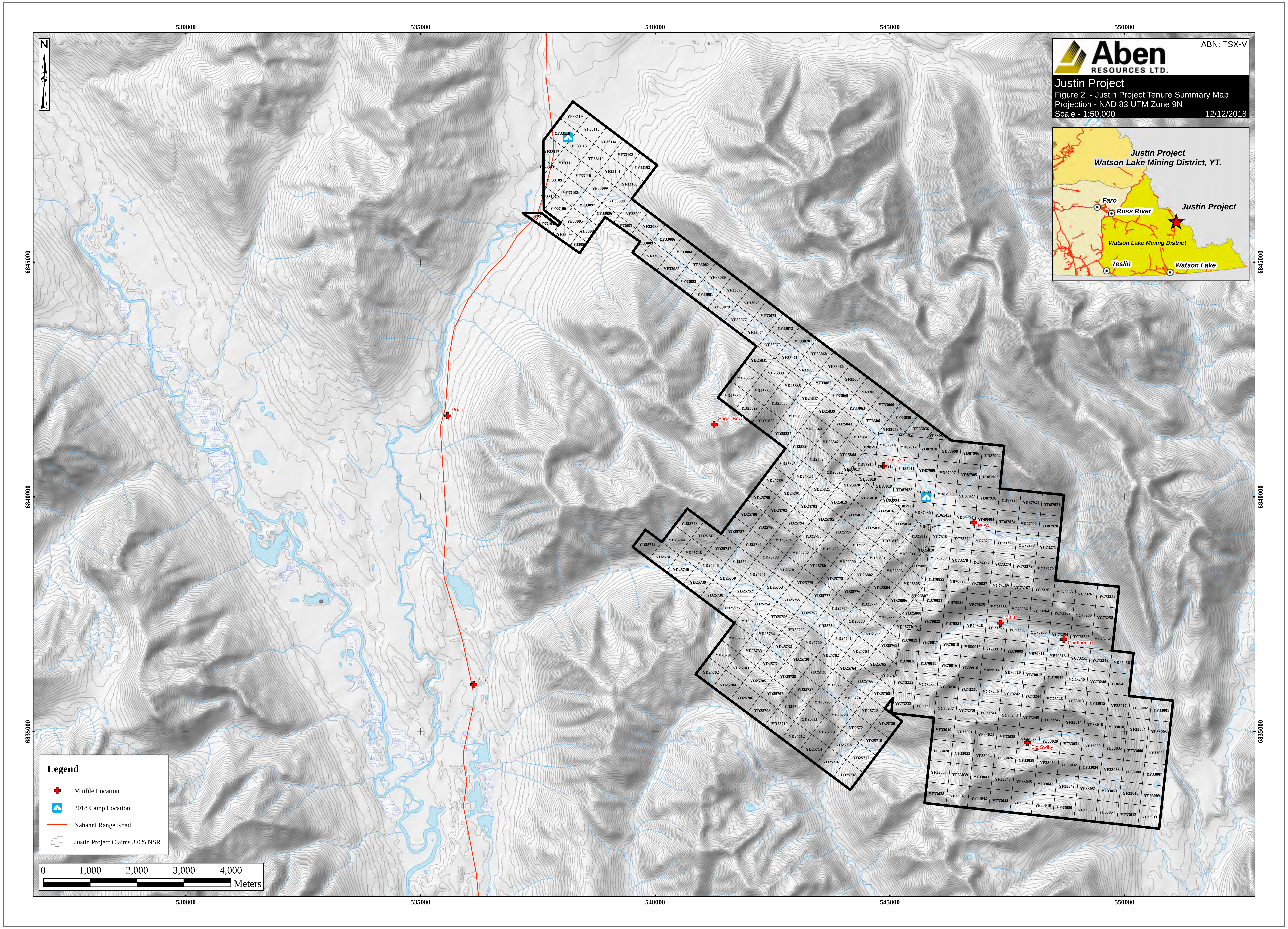
ABN: TSX-V
Aben
RESOURCES LTD.
Justin Project
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:5,000,000
23/10/2018
140°0'0"W
135°0'0"W
130°0'0"W
125°0'0"W
120°0'0"W
70°0'0"N
65°0'0"N
60°0'0"N
N
Vuntut
National
Park
Alaska (USA)
Eagle
Plains
Dempster Highway
Yukon Territory
Northwest Territories
Dawson
City
Wind River Trail
Klondike Highway
Mayo
Canol Road
Faro
Beaver Creek
Carmacks
Ross River
Tungsten
Robert Campbell Highway
Range Road
Justin Property
Nahanni
Whitehorse
Johnsons
Crossing
Alaska
Highway
Watson
Lake
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 map sheet (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 Sandstorm Gold Royalties. Aben Resources Ltd., holds the right to purchase one-half of the Justin royalties from Sandstorm Gold Royalties and all of the Justin royalties held by Bernie Kreft for a one time cash payment of $1,000,000 each. Refer to Table 1 for a summary of the Justin Project mineral tenure.

Table 1 – Tenure Summary for the Justin Property

District	Grant Number	Claim Name	Claim Owner	Claim Expiry Date	Map Number
Watson Lake	YB59913 - YB70824	JUSTIN 1 - 20	ABEN RESOURCES LTD. - 100%	29/11/2035	105H09
Watson Lake	YB70825	JUSTIN 21	ABEN RESOURCES LTD. - 100%	29/11/2034	105H09
Watson Lake	YB70826-YB70829	JUSTIN 22-25	ABEN RESOURCES LTD. - 100%	29/11/2031	105H09
Watson Lake	YC73232 - YC73281	SP 1 - 50	ABEN RESOURCES LTD. - 100%	29/11/2031	105H09
Watson Lake	YD65452 - YD65456	SP 51 - 55	ABEN RESOURCES LTD. - 100%	29/11/2034	105H09
Watson Lake	YD87903 - YD87934	SP 57 - 88	ABEN RESOURCES LTD. - 100%	29/11/2030	105H09
Watson Lake	YF33001 - YF33119	SP 89 - 142	ABEN RESOURCES LTD. - 100%	29/11/2027	105H09
Watson Lake	YF33055 - YF33119	SP 143 - 207	ABEN RESOURCES LTD. - 100%	29/11/2031	105H09
Watson Lake	YD25701- YD25808	VF1 - 108	ABEN RESOURCES LTD. - 100%	18/10/2023	105H09
Watson Lake	YD257809- YD25844	VF109 - 144	ABEN RESOURCES LTD. - 100%	18/10/2027	105H09



Aben
RESOURCES LTD.
ABN: TSX-V
Justin Project
Figure 2 - Justin Project Tenure Summary Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:50,000
12/12/2018
Justin Project
Watson Lake Mining District, YT.
Faro
Ross River
Justin Project
Watson Lake Mining District
Teslin
Watson Lake
Legend
Minfile Location
2018 Camp Location
Nahanni Range Road
Justin Project Claims 3.0% NSR
0
1,000
2,000
3,000
4,000
Meters
530000
535000
540000
545000
550000
6845000
6840000
6835000
Road
Sugar Bowl
Lost Ace
POW
Mars
Confluence
Big Swifty
Tiny
N

History and Previous Work

(modified after open citation C. Schulze, 2011)

The Justin Property area was first explored in 1964, when the 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 claim group to Vancliffe Resource Corporation. In 1981, Waterloo Energy Corporation 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 Incorporated 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 207.0 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 metres grading 1.40 g/t Au, 3.0 g/t Ag, and 0.18 % Cu, including 3.00 metres grading 3.04 g/t Au, 4 g/t Ag, and 0.22% Cu as well as 7.00 metres at 2.07 g/t Au, including 3.00 metres 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 metres while the Kangas zone returned 1.50 metres 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 metres 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.

In 2011 a total of 2,020.00 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 geochemical analysis. A small component of mapping, prospecting, and soil sampling occurred concurrently with diamond drilling activities to follow up on the POW zone discovery.

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 g/t Ag (JN11010). The POW zone and the immediate surrounding area are currently believed to hold the greatest economic potential 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 metres grading 1.15 g/t Au. Highlights from the Main zone include 0.25 metres 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 1,994.00 metres were drilled during the 2012 field season, expanding the dimensions of the prospective mineralization at 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 two 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 based upon favorable geochemical results from the 2012 program. The second AOI focused on a newly identified 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 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 six lines (7.5 line-kilometres) were collected at 50.00 metre 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 250.00 metres of a magnetic high signature of similar amplitude to that observed at the POW zone. The Big Swifty soil sampling program yielded 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 were collected from 4 trenches during the 2014 program. All four of the trenches were 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 metres and 2.76 g/t Au over 1.90 metre.

Tungsten reconnaissance sampling involved the re-analysis of 230 drill core samples from 7 of the 9 boreholes drilled at the POW zone. 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 metres (104.70 to 113.20 metres) with a peak concentration of 1.12% WO_3 over 1.00 metre (106.30 to 107.30 metres).

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. Total expenditures related to the Justin Project in 2017 were approximately $92,700.00.

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.

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). Furthermore 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 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.

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 remarkable similarities with the lode gold mineralization observed on the 3 Aces property located 8.0 kilometres to the northwest and may represent new style of mineralization on the Justin Property.

GEOLOGY

Regional Geology (after Hart, 2012 and Moynihan, 2016)

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 Project 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 (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 Little Hyland 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 (± 98 Ma) 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 intrusive rocks 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 intrusive rocks are known to control most of the known mineralization in the area, most notably the Cantung skarn hosted tungsten deposit located 30 kilometres to the north, and similar sub-economic mineralization underlying the Tuna Property located 10 kilometres to the north. A porphyritic biotite quartz monzonite to granite stock and a coeval 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 stock has been dated as mid-Cretaceous (100.1 ± 0.6 Ma Hart, 2017). The coeval suite of quartz-feldspar porphyry to aplite dykes samples on the property returned an age of 98.4 ± 0.03 Ma (Moynihan, 2014). Emplacement of the intrusions is interpreted to have slightly post-dated major regional deformation, and in some cases may be contemporaneous with regional scale strike-slip faulting (Moynihan, 2018).

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. These units will be described in detail within the Property Geology section of this report.

N

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; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits*

UPPER CAMBRIAN TO LOWER ORDOVICIAN

2 12

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

CAMBRIAN SERIES 2-3

- lЄG — **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*
- lЄGb — **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

- PЄV — **VAMPIRE FORMATION:** *grey phyllite/mudstone-siltstone; medium to thick-bedded sandstone; minor calcareous phyllite*
- PЄVw — **VAMPIRE FORMATION, western facies:** *green and grey phyllite/mudstone-siltstone; minor sandstone; commonly heavily bioturbated; local maroon mudstone-siltstone; more resistant than PЄHN*

NEOPROTEROZOIC-CAMBRIAN WINDERMERE SUPERGROUP

H Y L A N D G R O U P

- PЄHN — **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

- PЄHYul — **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*
- PЄHYu — **YUSEZYU FORMATION, UPPER (undivided):** *grey and pale green phyllite, sandstone, granule and pebble conglomerate; calcareous phyllite, siltstone and sandstone; silty and sandy limestone*
- PЄHYus — **YUSEZYU FORMATION, UPPER, sandstone/conglomerate:** *pinkish-brown, white-grey weathering, limonitic, coarse sandstone, granule and pebble conglomerate; minor phyllite*
- PЄHYup — **YUSEZYU FORMATION, UPPER, phyllite:** *green phyllite*
- PЄHYml — **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*
- PЄHYm — **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*
- PЄHYmd — **YUSEZYU FORMATION, MIDDLE, mixed unit, dolostone:** *yellow-orange dolostone, silty and sandy dolostone, pebble to boulder conglomerate with dolomitic matrix*
- PЄHYmg — **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*
- PЄHYlr — **YUSEZYU FORMATION, LOWER, recessive:** *grey, brown-weathering phyllite with sparsely distributed thick to massive beds of coarse sandstone and granule-pebble conglomerate*
- PЄHYl — **YUSEZYU FORMATION, LOWER (undivided):** *grey, rusty brown weathering phyllite, sandstone, granule-pebble conglomerate*
- PЄHYlrs — **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*
- PЄHYlm — **YUSEZYU FORMATION, LOWER, MARBLE:** *pale grey to white weathering, medium to dark grey marble, calc-silicate*

SYMBOLS

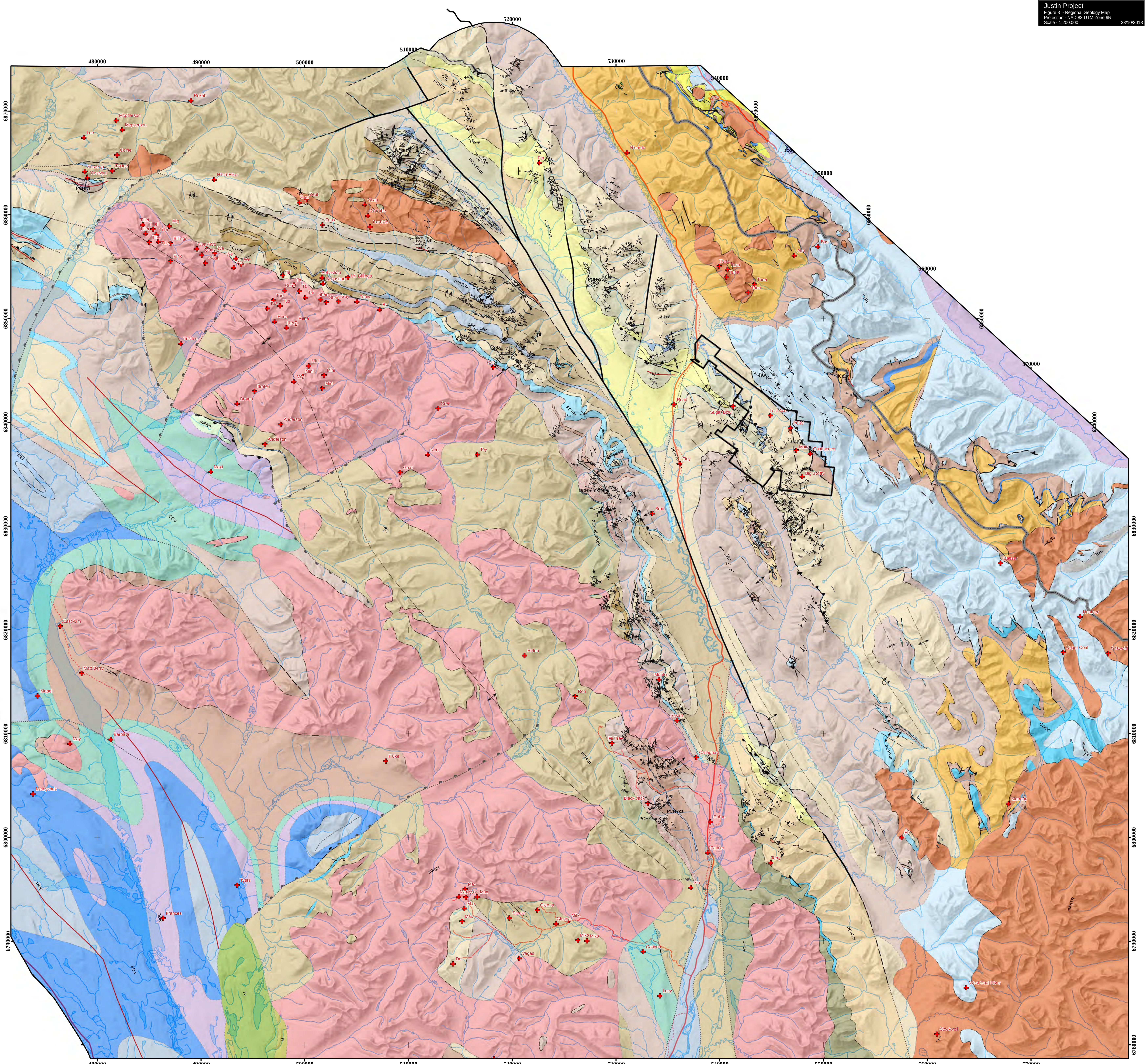
- geologic contacts (defined, approximate, inferred, covered)
- fault; movement not known (defined, approximate, inferred, covered)
- thrust fault (defined, approximate, inferred, covered)
- normal fault (defined, approximate, inferred, covered)
- strike-slip fault (dextral) (defined, approximate, inferred, covered)
- strike-slip movement direction (cross section) (dextral)
- crenulation lineation — 12
- dike — 70
- field station
- bedding (tops unknown, upright bedding, overturned) — 12 12 12
- foliation (dominant, late) — 12 12
- elongation or mineral lineation — 12
- intersection lineation — 12
- fold axis (main phase, late, s,z vergence) — 12 12 12 12
- fold axial plane — 30
- minor fault plane — 80
- 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, 105H09, 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



ABN: TSX-V

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Justin Project
Figure 3 - Regional Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:200,000
23/10/2018

Property Geology

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

Based upon work completed by Moynihan (2016) the property geology can be described as a package of west-northwest trending, north-northeast dipping Hyland Group (Pre-Cambrian) metasedimentary rock (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 northeastern areas of the property are underlain by a thick package of sediments of the Gull Lake Formation (Cambrian) and Rabbitkettle Formation (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 Pre-Cambrian Hyland Group and Cambrian-Ordovician Gull Lake and Rabbit Kettle Formation rocks are juxtaposed by the Little Hyland 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 with an age of 98.4 ± 0.03 Ma (Moynihan, 2014).

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.

<u>Lithologic Map Units</u>

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 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 metres) is described as granite porphyry consisting of subhedral-euhedral plagioclase and quartz phenocrysts in a quartz-rich groundmass (Hart, 2017).

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 hornfels 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 in age (100.1 ± 0.6 Ma Hart, 2017).

Igneous rocks are most extensively represented on the property by several 10.0 - 50.0 metres thick, north-trending QFP dykes. The pluton, the quartz-feldspar porphyry dykes, and the aplite dykes were all emplaced (respectively in that order) into a 3.0 kilometre long, 1.0 kilometre 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. A sample of the quartz-feldspar porphyry to aplite dykes returned an age of 98.4 ± 0.03 Ma (Moynihan, 2014).

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 (€OR), the Gull Lake Formation (l€G), The Narchilla Formation (P€HN) and the Yusezyu Formation (P€HY). 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 (P€HYl), marble (P€HYlm), recessive (P€HYlr) and resistant (P€HYlrs) units; the middle member is defined by fetid limestone (P€HYml) (a useful marker bed), mixed unit (P€HYm), mixed unit (dolostone) (P€HYmd), and 'grit' (P€HYmg). The uppermost member of the formation is characterized by limestone (P€HYul), undivided (P€HYu), sandstone/conglomerate (P€HYus) and phyllite units (P€HYup). The following section contains brief unit descriptions based on work by Moynihan (2016).

<u>Lower Member, Yusezyu Formation</u>

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

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

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

Resistant (P€HYlrs): 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.

<u>Middle Member, Yusezyu Formation</u>

Fetid limestone (P€HYml): 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 (P€HYm): 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 (P€HYmd): yellow-orange silty and sandy dolostone and pebble to boulder conglomerate with dolomitic matrix.

'Grit' (P€HYmg): 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-colored 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 un-deformed, 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 (Gallagher, 2002). 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 central portion of the Justin claims generally strikes at about 290° and is variable from flat lying to moderately south dipping. However, at the POW and Lost Ace zones, bedding measurements range from 260°- 290°, dipping moderately-steeply to the north-northwest from 30°- 80°. The variance in orientation of the beds at the POW zone are thought to 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.

A northwest-southeast trending fault zone (Little Hyland Fault), characterized by a pronounced northwest trending lineament flanks 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 320° - 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. 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 geological observation in DDH JN12012 and JN12014 indicate that a significant north-northwest structure (the Justin Fault) 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.

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 (Gallagher, 2002).

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 define the Justin Fault zone and played an integral role in controlling mineralization on both a property and in the broader sense on a 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 (Gallagher, 2002).

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

Mineralization

Different styles of gold mineralization have been recognized on the Justin Property. The following summary of mineralization has been modified after the work of Schulze (2011), Hart (2012) and Burke (2018).

The varying styles of mineralization observed on the Justin property are indicative of mesothermal and intrusion-related hydrothermal events. The different styles of mineralization include:

- sheeted vein arrays, vein breccia, stockwork, composite and fault controlled mineralization;
- skarn hosted mineralization.

Where mineralization is structurally controlled, it is 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 Little Hyland Fault is host to auriferous quartz veining as identified in drill holes JN11007 and JN11008. Anomalous gold results were returned from vein systems developed within the hanging wall of the Little Hyland 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 bulk-tonnage mineralization found on the property to date.

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 kilometres 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 and igneous activity.

Sheeted Veining

Quartz±carbonate 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 up to 50 veins per 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 20.0 centimetre wide quartz-galena-arsenopyrite vein returning 15.80 g/t Au, located roughly 1.0 kilometres 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 veining. Sampling has returned values up to 5.70 g/t Au over 1.00 metre underlying the western part of Trench SN97-2, which returned 2.30 g/t Au over 22.50 metres. However, sampling completed of dyke material in the Main zone and POW zone by the author 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 hosted in skarn is typically associated strongly with bismuth, tellurium, iron, antimony, and moderately with copper and tungsten depending on proximity to the Justin pluton. The POW zone skarn is a complex endo and exoskarn, characterized by prograde coarse grained hydrogrossular garnet- clinopyroxene-quartz which has been overprinted by intense retrograde clay and Fe-carbonate alteration. Massive magnetite, with lesser disseminated pyrrhotite, chalcopyrite, pyrite, molybdenite±scheelite±bismuth±tellurium±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 pluton. Gold grades are highest where the north-northwest structures intersect skarn altered lithologies in proximity to the Justin pluton. The POW zone occurs within the contact aureole of the Justin stock, which extends to a minimum distance of 200.00 metres laterally from the margin of the intrusion.

<u>Composite</u>

The coarse clastic sediments in the Hyland Group provide an excellent setting for hydrothermal mineralization, in particular at contact zones with interbedded sequences of carbonaceous phyllite. 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 vein and or bulk tonnage gold deposits within the property.

Weak to moderate pervasive silicification, but very limited clay alteration has occurred in the Confluence zone area. A broad zone of stockwork 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 metres 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 metres 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 defined on the property to date are: POW zone, Lost Ace zone, Confluence zone, Kangas zone and the Main Zone.

<u>POW zone</u>

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

1. Magnetite in pyroxene±garnet skarn;
2. Scheelite mineralization as disseminated crystals and thin veins within skarn 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 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 (Hart, 2012).

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

<u>Main zone</u>

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 variably mineralized quartz monzonite dyke bounds the zone to the west. Successive exploration programs demonstrated that a 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-tremolite (?) and diopside, with minor chlorite. Trench SN97-2 extending across this zone returned 2.38g/t Au over 22.50 metres, and anomalous values continued to the east into the previously tested mineralization (Schulze, 2011). 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, 2011 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 metres 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 partially confirming historic results. Although no significant gold intersections were returned from the three holes, valuable geologic information was gleamed providing insight into the geology of the property. Significant intersections of porphyritic quartz biotite monzonite material were intercepted in all three holes. The overall true thickness of the intrusion has not been determined but drilling to date indicates it is greater than 50.00 meters suggesting that a larger parent pluton may lies beneath the Justin property than previously thought.

<u>Confluence zone</u>

The Confluence zone is a broad zone measuring at least 600.00 metres x 250.00 metres in area and consists of coarse clastic material with considerable fracture controlled 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 metres in width. Gold values range from 0.42 to 7.00 g/t Au over 1.50 metres (Schulze, 2011). Trench SN97-3 returned 4.24 g/t Au over 4.50 metres and is open to the west; continuous channel sampling east of this intersection returned elevated values up to 0.64 g/t Au (Schulze, 2011). 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 occur 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.

The 2011 drilling completed at the Confluence zone successfully intersected auriferous 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 Little Hyland 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 pluton.

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, 2011). 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 was 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 new style of bonanza-grade orogenic mineralization or a distal expression of the IRGS. The Lost Ace zone is most similar to the previously described composite style of mineralization with a distal intrusion related signature. Mineralization is hosted within stockwork quartz±carbonate veining which has preferentially developed at the contact between granule to pebble conglomerate and greenish-grey phyllite of the upper 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. Samples collected in 2018 returned assay results as high as 88.2 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 located approximately 8.0 kilometres to the northwest.

<u>Mineralization Overview</u> (Hart, 2012, Burke, 2018).

Gold mineralization on the property is considered to be directly related to hydrothermal fluids emanating from the Justin pluton and hydrothermal fluids derived from regional metamorphism.

It is believed that gold is mobilized in intrusion related hydrothermal system as a bismuth-tellurium ± antimony complex and deposited in veins as high temperature Au-Bi-Te ± Sb alloys, and at lower temperatures as native gold more typically associated with arsenopyrite. For this reason gold mineralization has direct and observable associations with Bi, Te and As. Therefore the presence of Bi, Te and As, or lack thereof can be utilized as an general indicator for proximity to fertile igneous rocks (Hart, 2012).

The Au-Bi-Te association is most directly related to intrusion-related and intrusion-hosted ores, adding further evidence to support an intrusion-related gold system on the Justin property. The Au-Bi-Te correlation observed at the POW zone corroborates the Justin pluton as the causative source of mineralization because the distribution of these elements is strongly controlled by temperature gradient in the thermal aureole of the causative igneous source rocks. 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). The 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 at the Lost Ace 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 pluton.

Orogenic and intrusion-related mineralization occur in close spatial proximity on the Justin property and highlight the potential for overprinting mineralizing systems. Ongoing exploration on the adjacent Sprogge and 3-Aces properties has demonstrated that a regionally extensive stratigraphic contact in the middle Yusezyu Formation contains consistent highly anomalous gold values. The discovery of the Lost Ace zone in the upper Yusezyu Formation suggests that the anomalous stratigraphic horizon exists deeper within the Yusezyu Formation on the Justin Property. While unexposed veins at depth would prove to be a difficult exploration target, gold remobilized from the older orogenic style of mineralization and the anomalous stratigraphy at depth could result to higher grades within the younger bulk tonnage intrusion-related exploration targets (Burke, 2018).


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Figure 4 - Property Geology Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:30,000
12/13/2018
PLUTONIC ROCKS
MID-CRETACEOUS
SEDIMENTARY AND METASEDIMENTARY ROCKS
QUATERNARY
UPPER CAMBRIAN TO LOWER ORDOVICIAN
CAMBRIAN SERIES 2-3
TERRENEUVIAN-CAMBRIAN SERIES 2
NEOPROTEROZOIC-CAMBRIAN WINDERMERE SUPERGROUP
EDIACARAN
HYLAND GROUP
SYMBOLS
Legend
Minfile Location
Geologic Stations
River
Contour (20m)
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

2018 EXPLORATION PROGRAM

The 2018 exploration program consisted of 50 person days with a five person crew. The crew mobilized from base camp at kilometre 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 from August 31st to September 11th, 2018.

The 2018 program was a target evaluation module partially funded through the Yukon Mineral Exploration Program (YMEP). Work completed during both phases of the 2018 program included the collection of 19 channel and 28 chip samples from 5 trenches, an additional 16 rock samples from prospecting traverses, 7 till samples and 240 soil samples with coverage totaling 6.0 line-kilometres.

The program was designed to systematically evaluate the economic potential of the Lost Ace Zone where preliminary exploration work has shown the potential for intrusion related and/or orogenic gold mineralization at surface.

Total expenditures related to the Justin Project in 2018 were approximately $170,000.00 and $128,306.44 was applied as assessment expenditure with the Yukon Mining Recorder. A detailed cost statement of expenditures can be referenced in Appendix II.

2018 EXPLORATION RESULTS

The 2018 exploration program resulted in the collection of 240 soil samples, 19 channel, 28 chip, 9 blank and 7 standard reference ore samples from 5 trenches, an additional 15 rock samples and 7 till samples. All soil and rock samples were submitted to ALS Minerals laboratory in Whitehorse, YT for preparation and subsequently shipped to ALS Minerals laboratory in North Vancouver for analysis. The following analytic techniques were used for all rock samples: ME-MS41 and Au-AA26 50g Fire Assay while a total of 75 rock and QAQC samples underwent additional analysis using Au-SCR24C Screen Fire Assay – 100 to 106 µm, Au-AA26 50g Fire Assay. The following analytic techniques were used for all soil and samples: ME-MS41, Au-ST43 and Au-AROR43 25g Au determination for all samples > 0.1 ppm in the Au-ST43 analysis. The Company's Quality Assurance/Quality Control "QA/QC" measures included insertion of external blanks and standards into the sample stream for all rock chip/channel samples. A minimum of one standard sample and one blank sample were inserted for each trench. More samples were added as necessary at the discretion of the geologist. Over the course of the program a total of seven standard reference ore samples and seven blank samples were inserted into the sample sequence.

The 7 till samples were sent to Overburden Drilling Management Limited (ODM) in Ottawa, Ontario for preparation and analysis. The samples were processed for gold grains and Metamorphosed Massive Sulphide Indicator Minerals (MMSIMs®) analysis.

Refer to Appendix III for detailed descriptions of each analytic technique. The analytic results for each component of the 2018 program will be summarized in the following text. Sample location and description data are included in Appendix IV. Certificates Of Assay for all 2018 samples can be referenced in Appendix V.

Geochemical Surveys

Soil Sampling

A total of 241 soil samples were collected from ten lines covering approximately 6.0 line-kilometres (Figure 5). A total of seven soil lines were completed in the Lost Ace zone (JNL046 – 052), approximately 2.0 kilometres to the northwest of the POW zone, providing additional detailed soil sample coverage to build upon the geochemical work completed in 2014 & 2017. Two lines completed in 2012 (JNL019 and JNL021) were expanded upon, and one infill line (JNL053) were completed northeast of the Confluence zone to define the up-slope cut off of a gold-bismuth-tellurium in soil anomaly which is coincident with the Little Hyland Fault zone.

The geochemical survey can be characterized by rocky-sandy-organic rich soils collected from a poor-moderately developed mix of B and C-horizon sample medium at an average depth of 41.0 centimetres on low-moderately sloping terrain.

Geochemical Statistics

Geochemical statistics were calculated for the 2012 – 2018 soil samples using ioGAS Advanced Exploratory Geochemical Data Analysis software. The years 2012 – 2018 were selected because of consistent analytic techniques and detection limits, and the dataset covers the areas worked during the 2018 field program. The summary statistics are presented below in Table 2.

Table 2 – Summary statistics for the 2012 – 2018 soil samples (number of samples = 1216)

Elements of Interest	Au ppb	Ag ppm	As ppm	Bi ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Sn ppm	Te ppm	W ppm	Zn ppm
Sample Totals	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216
Minimum	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0
Maximum	2410.0	3.3	5070	42.9	849.0	11.7	2210.0	13.6	14.9	1.43	5.5	965
Mean	6.7	0.2	65	0.7	25.8	0.6	38.9	1.5	0.4	0.03	0.1	87
Median	1.9	0.1	31	0.4	22.5	0.5	29.7	1.2	0.3	0.03	0.1	82
Standard Deviation	72.6	0.2	180	2.6	28.8	0.6	76.5	1.3	0.8	0.05	0.2	62
Elements of Interest	Au ppb	Ag ppm	As ppm	Bi ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Sn ppm	Te ppm	W ppm	Zn ppm
75 percentile	3.7	0.2	69	0.6	31.4	0.7	42.0	1.9	0.4	0.04	0.1	101
90 percentile	7.3	0.4	129	0.8	42.5	1.0	65.4	2.9	0.8	0.06	0.2	129
95 percentile	13.5	0.5	199	1.0	53.0	1.3	86.0	3.9	1.2	0.07	0.3	155
98 percentile	25.6	0.9	389	3.1	66.8	2.1	130.8	5.0	2.3	0.09	0.4	205
99 percentile	59.1	1.1	533	11.5	83.9	3.1	226.4	6.3	2.6	0.13	0.5	299

Geochemical Results

Gold-in-soil results for the 2012 – 2018 field programs have been plotted on Figure 5, with 2018 samples clearly identified as outlined in the legend.

The current extent of the Lost Ace showings are defined by soil sampling as a discreet 114.0 metre long > 95th percentile gold-in-soil anomaly with peak values of 650 ppb Au (soil sample JNL048 04+50W) at the 2017 discovery site which returned 4.7 g/t Au over 1.00 metre, and 2410 ppb Au (soil sample JNL024 14+00W) 15.0 metres downslope from the 2018 VG showing which returned 20.8 g/t Au over 4.40 metres.

The most recent sampling aided in extending the > 95th percentile gold-in-soil anomaly from the VG showing up to approximately 450.0 metres to the southeast along the inferred trend of the quartz veins developed along the grit-phyllite contact.

A second anomalous region of > 95th percentile gold-in-soil was defined on lines JNL051 and JNL052 approximately 250.0 – 350.0 metres southwest of the Lost Ace showing. One observation with this anomaly is that all of the anomalous samples were recorded as poor-moderate quality C-horizon samples, which would be likely to have a higher background gold value than the same quality B-horizon sample material. Little, if any follow-up work has been completed in the region to determine the potential source of the gold.

Sampling at the Confluence zone better defined the up slope cut-off for a 95th percentile gold-in-soil anomaly. The soil anomaly coincides with the inferred trace of the Little Hyland Fault.

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Figure 5 - Sample Locations & Au Results
Projection - NAD 83 UTM Zone 9N
Scale - 1:10,000
12/12/2018
Legend
Minfile Location
2018 Sample Location
No Sample
Soil Geochemistry 2012-2018
Gold (ppb)
0.05 - 7.30 (< 90 Percentile)
7.30 - 13.50 (90-95 Percentile)
13.50 - 25.60 (95-98 Percentile)
25.60 - 59.10 (98-99 Percentile)
59.10 - 2410.00 (99 Percentile)
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.
Refer to Fig 3 for Geology Legend
0 0.25 0.5 0.75 1 1.25 1.5 1.75 2
Kilometers
542000
543000
544000
545000
546000
547000
548000
549000
6841000
6840000
6839000
6838000
6837000
JNL046 00+00
JNL047 08+50E
JNL047 00+00
JNL048 10+00W
JNL048 00+00
JNL049 00+00
JNL050 10+00W
JNL050 00+00
JNL051 10+00W
JNL051 00+00
JNL052 00+00
JNL052 09+00E
JNL053 01+00W
JNL053 00+00
JNL021 00+25E
JNL021 00+75E
JNL019 00+25W
JNL019 00+75E
PCHY
PCHYm
PCHYu
mKgTu
COR
ICG

Till Sampling

A total of 7 till samples were collected during the 2018 field program and processed for gold grains and indicator mineralogy. All samples were submitted to Overburden Drilling Management in Ottawa, Ontario for processing. Refer to Figure 6 for sample location and gold grain results.

Two samples were collected by geotechnician Hunter Guthrie (HGJNT001 & HGJNT002) along the inferred trace of the Little Hyland Fault in a location known to have elevated concentrations of gold and other pathfinder elements in the soil. The purpose of the two samples was to determine if visible gold grains and indicator minerals could be found to help better understand the anomaly. Surprisingly neither of the two samples returned any visible gold despite there being > 95th percentile gold-in-soil results at both sample location. Sample HGJNT001 returned anomalous concentrations of scheelite (17 grains) and arsenopyrite (31 grains) both of which are favorable indicator minerals associated with gold mineralization on the property. The presence of scheelite at the sample site suggests that the Little Hyland Fault was likely a focusing structure for higher temperature hydrothermal fluids related to the Justin pluton and may be an important target for future exploration.

Five samples were collected by geologists Mike McCuaig and Kerry Bates (MMJNT002-006) from a traverse line in the northwestern portion of the property. The traverse was designed to cross the inferred trace of lithologic contacts know to host orogenic gold mineralization on the neighboring 3 Ace project. Samples were collected every 200.0 metres along the traverse line. Overall the samples contain very little gold and other indicator minerals of interest. Trace amounts of gold were reported in two samples (MMJNT003 & 004) however most of the gold has travelled > 500.0 metres and is likely sourced from bedrock located off of the claim group. All of the samples contain a significant amount of goethite in the < 1.0 amp fraction (70 – 99 %) which is likely a surface weathering product of sulphide minerals. One grain of chalcopyrite was observed in MMJNT003 and one grain of scheelite was observed in MMJNT005. Monazite was observed in all of the samples from the traverse. Such a relatively uniform distribution across the five samples suggests that it is related to a particular rock formation underlying the area. Future work collecting till samples in this part of the property would require drilling to penetrate below a thick layer of organic material and permafrost.

Rock Sampling

A total of 73 rock samples (including QA/QC samples) were collected from trenches and an additional 5 samples were collected from talus, subcrop and outcrop during prospecting activities. For a detailed description of rock sampling techniques refer to Appendix III. Refer to Figure 6 for sample locations and gold results.

A total of 73 of the 2018 rock samples were collected from the Lost Ace zone, and will be discussed in the trenching program section of this report. The remaining 5 samples were collected on outlying areas of the property that underwent reconnaissance geochemical investigations.

Three samples were collected by geotechnician Hunter Guthrie during the program whilst completing soil and till sampling surveys. These samples (HGJNR001, HGJNR003-004) did not return any results of economic significance.

Two samples were collected by geologist Mike McCuaig (MMJNR201-202) whilst completing a till sampling traverse in the northwestern portion of the property. Both of these samples were collected from the same outcrop. Sample MMJNR201 was a 2.0 metre chip sample collected across a quartz granule-pebble conglomerate which contained quartz-stock work veinlets and returned weakly elevated arsenic-gold values (111.5 ppm As, 25 ppb Au). Sample MMJNR202 was a composite grab sample collected from a pyrite-arsenopyrite stringer veinlet which returned anomalous arsenic, gold, silver, bismuth, tellurium and antimony values (>10,000 ppm As, 150 ppb Au, 2.58 ppm Ag, 37.2 ppm Bi, 1.6

ppm Te and 15.7 ppm Sb). The sample is also collected within 65.0 metres of till sample MMJNT004 which contained 1 pristine gold grain, which is not considered to be anomalous. Sample MMJNR202 is the first sample collected from this part of the Justin property to return anomalous concentrations of gold and silver, and warrants follow-up work to determine the extent of the mineralized vein system. The geochemical signature of the sample suggests that the mineralization is intrusion-related, but likely distal to the causative intrusive body.

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Figure 6 - Till & Rock Sample Au Results Map
Projection - NAD 83 UTM Zone 9N
Scale - 1:25,000
12/13/2018
Legend
Minfile Location
2018 Rock Samples
Au g/t
0.0-0.1
0.1-0.2
0.2-0.5
0.5-1.0
> 1.0
Till Sample Location 2018
Till Sample Results - Gold Grain Counts
Total Gold Grains
8 - Total Number Of Gold Grains
Morphology - Reshaped (> 1,000 m)
Morphology - Modified (< 500 m)
Morphology - Pristine (< 100 m)
Justin Project Quartz Claims
Kilometers
0
0.5
1
1.5
2
535000
540000
545000
550000
6845000
6840000
PCHYm
PCHYu
PCHN
COR
ICG
PCV
Refer to Figure 7
HGJNR001
HGJNT001
HGJNT002
HGJNR003
HGJNR004
MMJNT002
MMJNT003
MMJNT004
MMJNT005
MMJNT006
MMJNR201
MMJNR202
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 Fig 3 for Geology Legend

Trenching Program

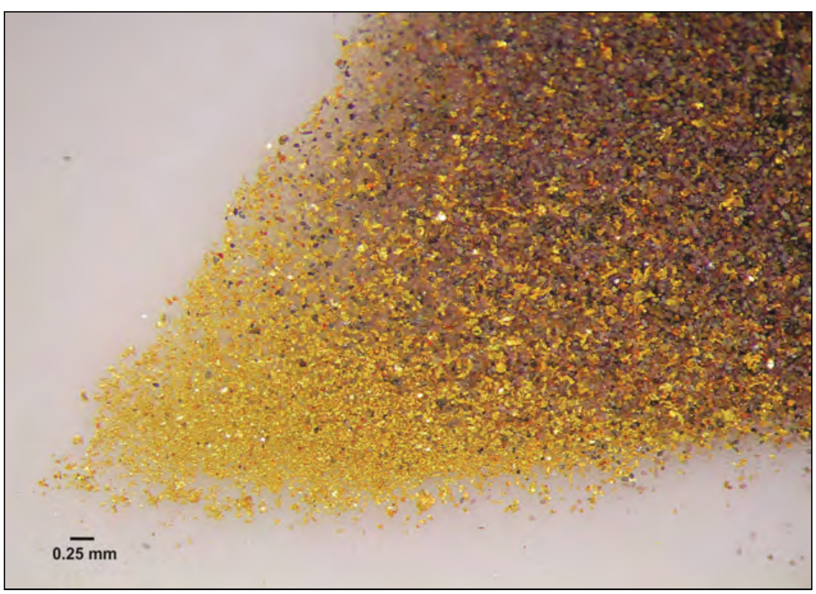
A total of 5 trenches were completed during the 2018 program (Refer to Figure 7). The trenches were located within the Lost Ace zone (Quartz Claim YD 87913), and were completed using a combination of hand tools and mechanical equipment. A Bobcat heli-portable excavator was used to complete mechanical trenching. A total of 73 rock chip/channel samples and grab/float samples (this number includes Quality Assurance/Quality Control or "QA/QC" samples inserted into the sample sequence) were collected during the trenching program. The trench geology and analytic results are summarized below. Refer to Figure 7 for detailed trench geology and sample locations. Trenching was completed by the following TerraLogic Exploration employees: Mike McCuaig P. Geo, Kerry Bates, GIT, Hunter Guthrie and Joel Termuende and Northern Enviro Services employee Jean Claude Emond. Geologic mapping data has been provided for reference in Appendix VI.

Table 3 – Trench Location and Disturbance Summary

Trench ID	Length (m)	Start Easting	Start Northing	End Easting	End Northing	Area (m^2)	Disturbance Type
TR18-001	26.0	544740.0	6840694.0	544752.0	6840688.0	39.0	Mechanical
TR18-002	36.0	544765.0	6840695.0	544756.0	6840700.0	54.0	Mechanical
TR18-003	5.0	544869.0	6840662.0	544871.0	6840666.0	7.5	Mechanical
TR18-004	6.0	544848.0	6840671.0	544849.0	6840677.0	9.0	Mechanical
TR18-005	6.0	544835.0	6840692.0	544834.0	5840698.0	6.0	Mechanical
*All coordinates are reported in UTM Nad 83 Zone 9N							

A series of panned concentrate samples were collected from the Lost Ace showing at the outset of the 2018 program in proximity to the till sample collected in 2017 which returned 1135 gold grains. Trench TR18-001 (Figure 7) was excavated 15.0 metres upslope from the 2017 bulk till sample where 2018 crew members panned concentrate samples containing abundant visible gold. A photograph of the panned concentrate (Plate 1) clearly demonstrates the pristine nature and abundance of the gold grains within the soil at TR18-001.

Plate 1 – Gold grains collected in 2018 from a panned concentrate sample at the Lost Ace Showing



TR18-001

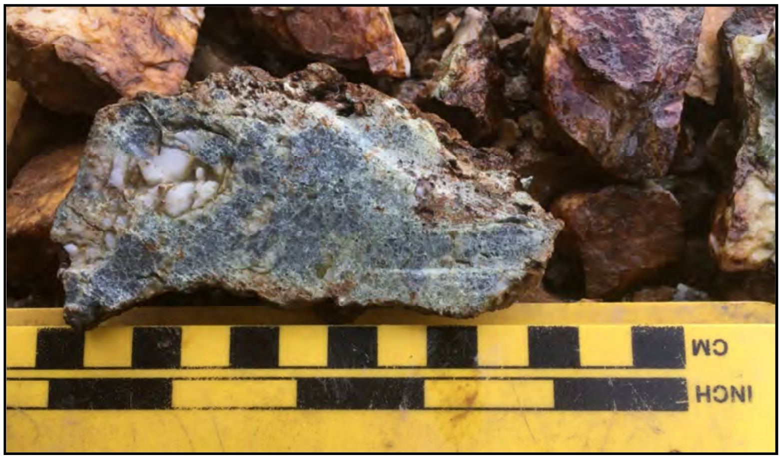
Trench TR18-001 (Figure 7) measured 26.0 linear meters long and approximately 1.5 metres wide prior to reclamation. A total of 11.0 metres of the trench was reclaimed during the 2018 field program and 15.0 metres of the trench remains open for future geologic investigations.

Plate 2 – Trench TR18-001 upon completion of mapping and sampling activities

TR18-001 exposed approximately 9.0 metres of greenish-grey to beige weathering coarse grained sandstone to fine grained conglomerate containing quartz veinlets and veins. The sandstone-conglomerate is variably altered by silica and white mica, with alteration intensity increasing toward vein contacts. At the centre of the trench (samples MMJNR150 – 154) a 4.4 metre wide zone of quartz veining was exposed which contained variable amounts of pyrite, arsenopyrite and visible gold. Plate 1 is a photo of visible gold which was collected by panning from the dirt overlying the quartz vein. The vein system has an approximate orientation of 320˚/62˚ with conjugate veinlets at 50˚/72˚ and 30˚/48˚. A pervasive centimetre to decimetre scale fracture cleavage has developed within the vein with an orientation of 185˚/52˚. Visible gold was observed as sub-millimetre to millimetre sized particles inter-grown with arsenopyrite and arsenopyrite-pyrite crystals, and also as disseminations within the quartz. Most of the visible gold observed in the trench was hosted within sulphide rich portions of the vein which have subsequently been oxidized forming a distinct “box work” texture. The fracture cleavage appears to have a control on the distribution or formation of the “box work” texture. Sulphide minerals are heterogeneously distributed throughout the quartz vein as wispy veinlets and blebby crystal masses up to 20 mm in diameter which are infilling brecciated portions of the vein as cement. Weathered surfaces of the mineralized vein were strongly oxidized and in places pitted from the dissolution of sulphide minerals with cavities measuring up to 80 millimetres by 40 millimetres. Drusy quartz crystals were observed within the cavities. Scorodite and pyrolusite were also observed on weathered surfaces from mineralized portions of the vein which are a product of oxidation.

TR18-001 returned spectacular gold grades with sample MMJNR151 (Plate 3) returning 88.2 g/t gold over 1.0 metre within a broader interval (MMJNR150-154) of 4.4 metres containing 20.8 g/t gold. Elevated concentrations of arsenic, antimony, bismuth and tellurium were associated with the gold mineralization. Both the eastern and western margins of the quartz vein interval appear to be truncated or bound by brittle fault zones which roughly parallel the vein contacts with an orientation of 165˚/62˚. Outboard from the fault zones bedrock gives way to fractured sub crop and rubble making it difficult to determine the true extent of the vein system. Currently the mineralized vein system is thought to have a true thickness on the order of 2.0 – 2.5 metres. Additional work is recommended at JNTR18-001 to determine the extent of the gold mineralization.

Plate 3 – A portion of the sample MMJNR151 collected from TR18-001.



TR18-002

Trench TR18-002 (Figure 7) measured 36.0 linear metres long and approximately 1.5 metres wide prior to reclamation. A total of 23.0 metres of the trench was reclaimed during the 2018 field program and 13.0 metres of the trench remains open for future geologic investigations. The trench was excavated where a soil sample returned 2410 ppb Au and the 2017 till sample returned 1135 gold grains.

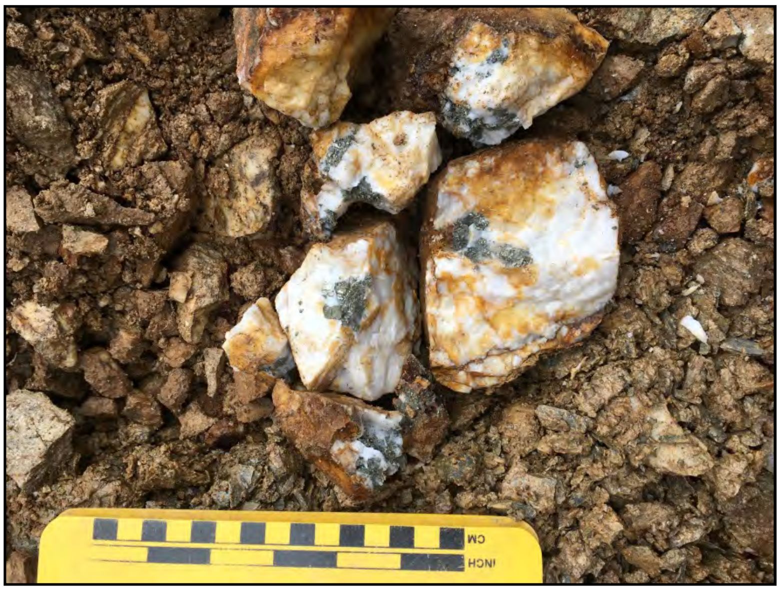
Plate 4 – Trench TR18-002 upon completion of mapping and sampling activities

TR18-002 exposed approximately 13.0 metres of sub cropping interbedded "grit" sandstone and grey-green phyllite which host quartz veins and veinlets. The grit-phyllite contact trends at an approximate orientation of 120˚ with variable dips to both the north and south. The phyllite is very fine-fine grained, non-magnetic and has both mica and talc developed along foliation planes. The grit unit is immature, being dominated by variably rounded grains of quartz and feldspar hosted in a clay rich, micaceous matrix. Foliation is poorly developed within the grit units. Quartz veins exploit the grit-phyllite contact, and are also found to be discordant, infilling fracture cleavage. There are two dominant quartz vein orientations observed within the trench: 1) a north-south set with vein orientations ranging from 13˚ - 30˚ with shallow-moderate dips of 15˚ - 30˚; 2) an east-west set with vein orientations ranging from 78˚ - 118˚ with moderate-steep dips of 63˚ - 74˚. The north-south trending veins contain variable amounts of pyrite-marcasite ± arsenopyrite-galena as heterogeneously distributed subhedral crystal masses measuring up to 25 mm in diameter (Plate 5). Veinlets range in thickness from 1 to 5 centimetres thick with rare veins measuring up to 30 centimetres wide, with average vein densities of 1-2 veins per metre.

Visible gold was panned from dirt overlying the mineralized quartz veins however trench samples which contained mineralized vein material (MMJNR162-165 and MMJNR174-MMJNR177) returned only anomalous gold concentrations up to 0.3 g/t gold. One sample, KBJNR001, which was a high-grade grab sample collected from quartz vein rubble in the trench returned 2.5 g/t gold. The source of this vein material is unclear at the time of writing but is likely sourced from the immediate area. Samples collected from the trench which contain the east-west oriented vein set did not return significant concentrations of gold.

The weakly mineralized vein system exposed in TR18-002 is likely to be related to the vein system exposed in TR18-001. Although gold values are only weakly anomalous they are significant in demonstrating the fertility of the hydrothermal system. Future work is recommended to further explore the vein system at depth below TR18-002 and to determine its relationship with the high-grade vein system exposed in TR18-001.

Plate 5 – Mineralization observed in quartz veining collected from sample MMJNR174 in TR18-002



TR18-003

Trench TR18-003 (Figure 7) measured 5.0 linear metres long and approximately 1.5 metres wide. The trench remains open for future geologic investigations. The trench was completed as an extension of TR17-004 designed to expose the grit-phyllite contact, a suggestion provided by Geologist Mike Burke, P. Geo., a local expert in Hyland River orogenic gold veins, after visiting the outcrop in 2017.

Plate 6 – Trench TR18-003 upon completion of mapping and sampling activities

TR18-003 exposed approximately 2.0 metres of “grit” or conglomerate and 3.0 metres of phyllite starting at the northern end of TR17-004. Both lithologic units hosted variably mineralized quartz ± carbonate veins. Mineralization observed within the veins consisted of wispy veinlets and clots of arsenopyrite ± pyrite measuring up to 50 + millimetres (Plate 7). Sample MMJNR185 contained one speck of visible gold. The quartz veins at this location exploit and parallel the grit-phyllite contact with the following orientations: 95˚ - 115˚ dipping steeply to the south from 74˚ - 81˚. Veinlet densities range from 5, 1 centimetre veins per meter to 1, 1 centimetre veinlet per metre across the trench. The highest vein densities are observed within the grit immediately south of the contact with the phyllite.

A 0.4-0.6 metre wide quartz vein containing pyrite-arsenopyrite mineralization was exposed at the grit-phyllite contact, which was sampled in MMJNR180 and returned 0.9 g/t gold over 1.0 metre. Shoulder samples on either side of the vein returned 0.3 g/t gold over 1.0 metre (MMJNR179) and 0.2 g/t gold over 1.0 metre (MMJNR181) respectively. Three grab samples (MMJNR183-185) were collected from angular mineralized quartz vein boulders excavated from the grit-phyllite contact. These samples returned 7.3 g/t gold, 3.8 g/t gold and 4.7 g/t gold respectively. The quartz boulders may represent sub crop or rubble crop. In either case they are very close to source and contain significant quantities of gold.

Plate 7 – Mineralized vein material collected from sample MMJNR183

The continued discovery of gold-bearing quartz vein material from the Lost Ace showing at TR17-004/TR18-003 is encouraging. The vein system is currently exposed over a true width of 8.0 metres and remains open in all directions. The observation of visible gold within one of the samples collected during the 2018 field season suggests that there is potential to find high-grade mineralization similar to that observed 115.0 metres to the west in TR18-001. Further work is recommended to determine the size of the gold-bearing vein system at depth in this location.

TR18-004

Trench TR18-004 (Figure 7) measured 6.0 linear metres long and approximately 1.5 metres wide. The trench remains open for future geologic investigations. The trench location was selected to evaluate the potential for vein-hosted gold mineralization localized at the grit-phyllite contact.

Plate 8 – Trench TR18-004 upon completion of mapping and sampling activities

TR18-004 exposed approximately 6.0 metres of “grit” sandstone and grey-green phyllite host to numerous quartz veins and veinlets. The grit-phyllite contact trends at an approximate orientation of 100˚ with variable sub-vertical dips at this location. The phyllite is very fine-fine grained, non-magnetic and is variably chlorite altered. The grit unit is immature, being dominated by variably rounded grains of quartz and feldspar hosted in a clay rich, micaceous matrix. Foliation is well developed within the grit units. Quartz veins exploit both the grit & phyllite units. Silica and chlorite alteration were observed enveloping the veins in freshly exposed bedrock. Two dominant quartz vein orientations were observed within the trench: 1) an east-west set with vein orientations ranging from 80˚ - 105˚ with moderate dips of 37˚ - 63˚; 2) a conjugate northeast-southwest set with vein orientations ranging from 45˚ - 60˚ with moderate-steep dips of 65˚ - 90˚. Both vein sets contain trace amounts of pyrite as heterogeneously distributed subhedral crystal masses measuring up to 5 mm in diameter. Most of the sulphide mineralization has been weathered from the surface of the vein leaving a pitted, rusty weathering surface along the margins of the veins. Veinlets and veins range in thickness from 1 – 25 centimetres wide, and vein densities up to 10 veins per meter were observed within the grit. The quartz veins are boudinaged and fractured. Limonite was commonly observed infilling fractures within the quartz veins and surrounding host rock.

Plate 9 – Quartz-pyrite veining observed in sample MMJNR186 from TR18-004.

Spectacular vein development was sampled in TR18-004 however the samples failed to return any significant results. Future work in the area should test the vein system for gold mineralization at depth.

TR18-005

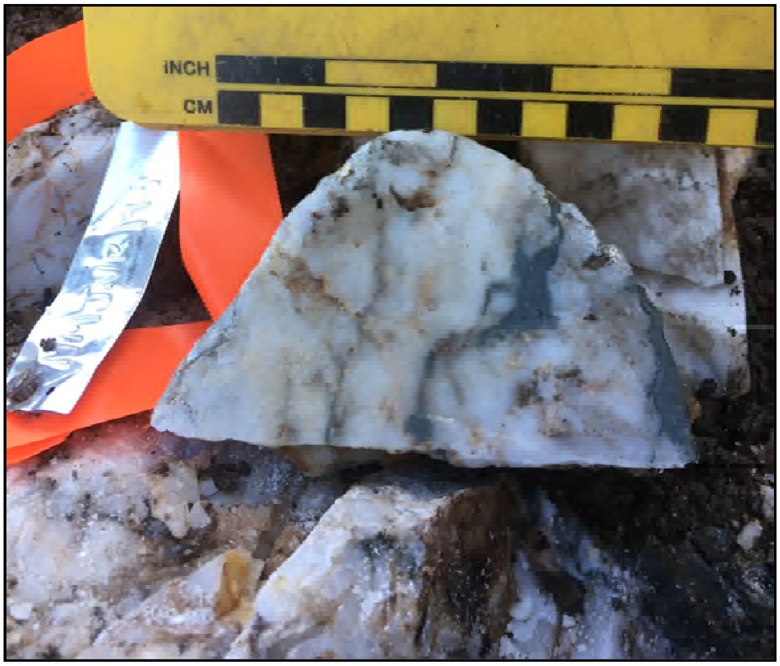
Trench TR18-005 (Figure 7) measured 6.0 linear metres long and approximately 1.5 metres wide. The trench remains open for future geologic investigations. The trench location was selected to evaluate the potential for vein-hosted gold mineralization within phyllite north of TR17-001.

Plate 10 –Trench TR18-005 upon completion of mapping and sampling activities.

TR18-005 exposed approximately 6.0 metres of grey-green phyllite containing boudinaged quartz veins and veinlets. The phyllite has a well-developed foliation ranging from 275˚ - 278˚ dipping steeply to the north at 81˚. One 20-30 centimetre boudinaged quartz vein with chlorite selvage was observed with an orientation of 248˚/57˚ (Plate 11 MMJNR193). Vein densities across the trench range from 0 – 2 veins per metre, and vein widths ranged from 2 – 30 centimetres. Trace pyrite mineralization was observed within the quartz veins as sub-millimetre to millimetre sized subhedral crystals. Limonite occurs as fracture fill within the quartz veinlets.

Z-folds were observed within the phyllite 5.0 metres west of the trench location indicating that this location is on the north limb of an antiform. The fold axis has a trend of 91˚ with a shallow plunge of 10˚.

Plate 11 – Quartz veining sampled in MMJNR193 & MMJNR199 from TR18-005.



Samples collected from TR18-005 returned no significant results. At the outset of the program the phyllite was speculated to be a favorable host rock for gold mineralization for two reasons: 1) it could be reactive with gold-bearing hydrothermal fluids acting as a catalyst for precipitating gold out of solution; and 2) the phyllite units can be quite deformed adjacent to the contact zones with the grit/conglomerate units allowing for significant vein development. The geologic and geochemical data collected during the 2018 program at TR18-005 support neither of these hypotheses.

A train of quartz veining material approximately 5.0 metres long was observed east of TR18-005 along strike from the quartz veining sampled in MMJNR193 and 199. After several quartz boulders were broken, a sample (MMJNR200) was collected which contained trace – 0.1 % arsenopyrite mineralization. The sample of vein material did not contain gold.

Table 4 provides an overview of significant results returned from the 2018 trenching program.

Table 4 – 2018 Trench Results

Zone	Trench	Composite Trench Sample Results
Lost Ace	TR18-001	**4.4 m @ 20.8 g/t gold including 1.0 m @ 88.2 g/t gold**
Lost Ace	TR18-002	**1.0 m @ 0.3 g/t gold**
Lost Ace	TR18-003	**1.0 m @ 0.9 g/t gold**
Lost Ace	TR18-004	**No Significant Results**
Lost Ace	TR18-005	**No Significant Results**

The correlation matrix displayed in Table 5 was calculated using ioGAS Advanced Exploratory Geochemical Data Analysis software using the Spearman method. From the sampling in 2017-2018 a clear relationship can be observed between Au and As-Sb-Mo-Te-Ag-Bi. The metal assemblage observed at the Lost Ace zone is likely a distal variation in the IRGS signature, and in general conforms to the predicted geochemical zonation peripheral to and IRGS as proposed by Hart and Goldfarb (2005). Understanding the correlation between gold and its related pathfinder elements allows geologists to effectively identify and refine exploration targets using the property geochemical data set.

Table 5 – Correlation Matrix for the 2017-2018 Rock Samples collected from the Lost Ace showings

Correlation	Au
As	0.71
Sb	0.69
Mo	0.57
Te	0.56
Ag	0.50
Bi	0.50

ABN: TSX-V
Aben Resources Ltd.
Justin Project
Figure 7 - Trench and Rock Sample Results - Au
Projection - NAD 83 UTM Zone 9N
Scale - 1:200
23/10/2018
N
544740
544760
544780
544800
544820
544840
544860
544880
6840720
6840700
6840680
6840660
6840640
PCHYu
TR18-001
TR18-002
TR18-003
TR18-004
TR17-001
TR17-002
TR17-003
TR17-004
Lost Ace
Legend
Structure Type
bedding
cleavage
fault plane
fold axis
fold axis (z)
foliation (dominant)
joint
shear plane
slickenline
vein (>10cm)
veinlet (<10cm)
veinlet mineralized
2017-2018 Rock Sample Results Au (g/t)
0.0 - 0.1
0.1 - 0.2
0.2 - 0.5
0.5 - 1.0
1.0 - 7.6
2017-2018 Trench Results Au (g/t)
0.0 - 0.1
0.1 - 0.2
0.2 - 0.5
0.5 - 1.0
1.0 - 88.2
2012-2018 Soil Geochemistry Au (ppb)
0.05 - 7.30 (< 90 Percentile)
7.30 - 13.50 (90-95 Percentile)
13.50 - 25.60 (95-98 Percentile)
25.60 - 59.10 (98-99 Percentile)
59.10 - 2410.00 (99 Percentile)
Trenching Reclamation Status
Pending
Reclaimed
Conglomerate-Phyllite Contact
Outcrop
Minfile Location
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 Fig 3 for Geology Legend
0
10
20
30
40
Meters

CONCLUSIONS

The Property is underlain by meta-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 rocks are intruded by the Justin pluton: a biotite granodiorite to quartz monzonite pluton 100.1 ± 0.6 Ma (Hart, 2017) and a suite of related dykes 98.4 ± 0.03 Ma (Moynihan, 2014) which are mid-Cretaceous in age. The Justin property hosts Au-Cu-W skarns, Au±W bearing sheeted quartz veins, and Au vein-breccia systems which are related to an intrusion related gold system (IRGS). In addition orogenic quartz-gold veins containing significant gold grades have recently been discovered at the Lost Ace zone.

Orogenic and intrusion-related gold mineralization occur in close spatial proximity on the Justin property, and highlight the potential for overprinting mineralizing systems. Ongoing exploration on the adjacent Sprogge and 3-Aces properties has demonstrated that a regionally extensive stratigraphic contact in the middle Yusezyu Formation contains consistent highly anomalous gold values. The discovery of the Lost Ace zone in the upper Yusezyu Formation suggests that the anomalous stratigraphic horizon exists deeper within the Yusezyu Formation on the Justin Property. While unexposed veins at depth would prove to be a difficult exploration target, gold remobilized from the older orogenic style of mineralization and the anomalous stratigraphy at depth could result to higher grades within the younger bulk tonnage intrusion-related exploration targets (Burke, 2018).

The 2018 exploration program was successful in discovering a new gold-bearing quartz vein in TR18-001 which is located 115.0 metres west of the 2017 Lost Ace discovery outcrop and approximately 2.0 kilometres northwest of the POW zone. Spectacular gold mineralization was discovered at this location where a 4.4 metre interval of quartz veining returned 20.8 g/t gold, including a 1.0 metre interval returning 88.2 g/t gold. The vein is located 15.0 metres upslope of the till sample collected in 2017 which returned 1135 visible gold grains. The style of mineralization observed at the 2018 gold occurrence displays remarkable similarities with the orogenic 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. The causative source of the gold mineralization remains to be determined.

Five trenches were sampled at the Lost Ace zone during the 2018 program targeting mineralized (dominantly arsenopyrite, pyrite ± gold, galena) quartz stockwork vein systems which exploit the contact between quartz-feldspar conglomerate and phyllite. In addition to the discovery of gold mineralization in TR18-001, the trenching program was also successful in defining additional gold mineralization in TR18-002 and in TR18-003 expanding the vein system at the discovery outcrop to over 8.0 metres wide.

The 2018 soil sampling program was designed to provide detailed geochemical coverage in the immediate area surrounding the Lost Ace mineral occurrence to facilitate future exploration in the target area. The soil sampling program outlined a 450.0 metre long As ± Au anomaly which extents southeast, and up slope from the highly anomalous 2014 sample, and the newly discovered Lost Ace zone. In addition a second zone of anomalous Au-in-soil was also discovered to the southwest of the Lost Ace zone and warrants follow-up exploration.

Work was completed on two outlying target areas: the Confluence Zone; and a traverse located 1.0 kilometres east of the Nahanni Range Road.

The soil sampling completed in the Confluence Zone, expanded upon and provided an up slope cut-off for the Bi ± Au anomaly first identified during the 2012 program.

The traverse east of the Nahanni Range Road was designed to investigate a lithologic contact which has proven to be a fertile and productive gold-bearing geologic feature on the neighboring 3 Ace Property. A new zone of weakly anomalous gold mineralization was discovered in outcrop on this area of the property, and warrants follow-up exploration.

RECOMMENDATIONS

Further exploration work is recommended on the Justin property to determine the economic potential of the POW zone and the Lost Ace zone. Assessing the remainder of the property for economic gold and base metal potential should also be a priority to advance the project. Recommendations for exploration include, but are not limited to the following items:

Surface Exploration ($300,000.00)

- LiDAR survey of the Property to aid in surficial geology and soil suitability mapping, detailed structural lineament analysis and geologic modeling;
- Geochemical surveys on target areas to define near surface gold mineralization;
- Prospecting and mapping of geochemical anomalies;
- Trenching prospective zones of mineralization.

Diamond Drilling ($1,200,000.00)

- 2,400 metres of diamond drilling which would include evaluating the following targets
  - Diamond drilling of high priority targets in the Lost Ace zone to define near surface Au mineralization;
  - Diamond drilling targeting cupola zones of the Justin pluton along strike and down-dip of the POW zone;
  - Diamond drilling prospective skarn horizons and structural zones between the POW and Lost Ace zones.

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Technical Report for the
Geological and Geochemical Program
Justin Property
Yukon Territory

Volume II – Appendices

61º39'N, 128º6'W

NTS map sheet 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 31st – September 11th, 2018

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 field work during the 2018 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 2018.

I have authored the assessment report titled "Technical Report for the Geological and Geochemical Program Justin Property" dated December 19th, 2018 on behalf of Aben Resources Ltd.

Dated this 19th day of December 2018, in Cranbrook, British Columbia.

M. McCuaig

Michael A. McCuaig, P. Geo.

STATEMENT OF QUALIFICATIONS

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

I was employed as a Geologist, with TerraLogic Exploration Inc., Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7 whilst working on the Justin Project.

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 2018.

I have -co-authored the assessment report titled "Technical Report for the Geological and Geochemical Program Justin Property" dated December 19th, 2018 on behalf of Aben Resources Ltd.

Dated this 19th day of December 2018, in Cranbrook, British Columbia.

KBates
____

Kerry B. Bates, M.Sc., GIT

Appendix II

Statement of Expenditures

Statement of Expenditures 2018 Justin Project					
Geological & Geochemical Surveys					**Totals**
Personnel / Position	**Field Days**	**Days**	**Rate**	**Subtotal**	
Mike McCuaig, P. Geo.	8/31/2018 - 9/11/2018 (YD87913,YF33092, YF33094, YF33096)	12.00	$725.00	$8,700.00	
Kerry Bates, M.Sc., GIT	8/31/2018 - 9/11/2018 (YD87913,YF33092, YF33094, YF33096)	12.00	$575.00	$6,900.00	
Hunter Guthrie, Geotechnician	8/31/2018 - 9/11/2018 (YD87919, YD87918, YD87915, YD87913, YD87911, YD87910, YD87908, YC73253)	12.00	$350.00	$4,200.00	
Joel Termuende, Geotechnician	8/31/2018 - 9/11/2018 (YD87919, YD87918, YD87915, YD87913, YD87911, YD87910, YD87908, YC73253)	12.00	$350.00	$4,200.00	
Mike Burke, P. Geo.	9/5/2018 - 9/6/2018 (YD87913)	2.00	$725.00	$1,450.00	
Jean Claude Emond, Operator	9/1/2018 - 9/10/2018 (YD87913) (Charged out at an **hourly** rate by NES)	35.00	$65.00	$2,275.00	
				$27,725.00	**$27,725.00**
Management and Reporting	**Personnel (Apply to All Claims Worked - Schedule B)**	**Hours**	**Rate**	**Subtotal**	
Project Management	Mike McCuaig, P. Geo.	30.00	$82.00	$2,460.00	
Data Management	Grayson Clague	2.50	$50.50	$126.25	
Data Management	Vanessa Beach	4.50	$65.00	$292.50	
GIS and Logistics	Brad Robsion	9.50	$61.50	$584.25	
Project Planning and Reporting	K. Bates, M. Sc., G.I.T.	30.00	$59.50	$1,785.00	
Reporting	M. Burke, P. Geo.	10.00	$50.00	$500.00	
Reporting	M. McCuaig, P. Geo.	35.00	$82.00	$2,870.00	
				$8,618.00	**$8,618.00**
Geochemical Surveying	**Number of Samples**	**Number**	**Rate**	**Subtotal**	
Till (ODM Gold Grain + HMC Analysis)	7 (YF33092, YF33094, YF33096, YC73253)	7	$300.00	$2,100.00	
Soil (ALS multi-element + gold)	Total Soil Samples 240; Soils by Quartz Claim (Number of Samples, Grant Number): 11, YC73253; 44, YD87911; 106, YD87913; 60, YD87915; 14, YD87918; 5, YD87919	240	$22.95	$5,506.80	
Rock (ALS multi-element + gold)	Total Rock Samples 78 ; Rocks by Quartz Claim (Number of Samples, Grant Number): 73, YD87918; 2, YC73253; 2, YF33094; 1, YD87918	78	$126.35	$9,855.60	
				$17,462.40	**$17,462.40**
Trenching Operations	**(YD87913) LQ00342a**	**Number**	**Rate**	**Subtotal**	
Equipment Transportation	Transport of excavator Watson Lake-km 143 Nahanni Range Road (return).	2.0	$3,850.00	$7,700.00	
Diesel Fuel	4 drums @ $399.92/drum	4.0	$399.92	$1,599.68	
Trenching	Northern Enviro Services (NES) Heli Portable Excavator - rental fee per hour (YD87913, YD87933)	70.0	$150.00	$10,500.00	
				$19,799.68	**$19,799.68**
Transportation	**Personnel (Apply to All Claims Worked - Schedule B)**	**Number**	**Rate**	**Subtotal**	
Truck rental	Rental fee per week	1.70	$700.00	$1,190.00	
Kilometers	Whitehorse - Watson Lake - Tuchitua - km 143 Nahanni Range Road (return)	1420.00	$0.30	$426.00	
Fuel	Truck Fuel			$459.11	
Helicopter (hours)	Bell Long Ranger 3 - Heli Dynamics	6.30	$1,450.00	$9,135.00	
Helicopter (hours)	Bell 407 - Heli Dynamics	15.10	$1,875.00	$28,312.50	
Helicopter Fuel	Heli Dynamics and Fuel Flo Logistics inc.			$6,236.66	
				$45,759.27	**$45,759.27**
Accommodation & Food	**(Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Camp	Groceries, general camp supplies			$3,123.39	
Meals	Actual cost of meals whilst traveling to and from the project - 5 ppl			$289.27	
				$3,412.66	**$3,412.66**
Geological and Geochemical	**(Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Report Production				$400.00	
Sampling Consumables	sample bags, tags, flagging, gloves, reference ore and blank material			$785.79	
				$1,185.79	**$1,185.79**
Equipment Rentals	**Personnel (Apply to All Claims Worked - Schedule B)**	**Number**	**Rate/Week**	**Subtotal**	
Chainsaw	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$45.00	$76.50	
Channel Saw + Blade	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$75.00	$127.50	
Radio	TerraLogic Exploration Inc. (5 for 1.7 weeks)	8.50	$55.00	$467.50	
Computers	TerraLogic Exploration Inc. (2 for 1.7 weeks)	3.40	$55.00	$187.00	
Field Kits	TerraLogic Exploration Inc. (4 field kits for 1.7 weeks)	6.80	$60.00	$408.00	
Firearm	TerraLogic Exploration Inc. (1 for 1.7 weeks (12 gauge shotgun))	1.70	$30.00	$51.00	
Fire Suppression Backpack	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$30.00	$51.00	
Small Tools Kit	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$90.00	$153.00	
Survival Kit	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$30.00	$51.00	
Fly Camp Equipment	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$700.00	$1,190.00	
Wall Tents	TerraLogic Exploration Inc. (2 for 1.7 weeks)	3.40	$150.00	$510.00	
Trailer	TerraLogic Exploration Inc. (1 for 1.7 weeks)	1.70	$600.00	$400.00	
				$3,672.50	**$3,672.50**
Freight	**Personnel (Apply to All Claims Worked - Schedule B)**			**Subtotal**	
Expediting	Twilite Expediting Services and Freight			$2,650.00	
Expediting	Small's Expediting Services and Freight			$671.14	
				$671.14	**$671.14**
TOTAL Expenditures					**$128,306.44**

Appendix III

Geochemical Protocol

3.1 Handling and Sampling Protocol

All 2018 samples were collected by TerraLogic Exploration employees. The sampling process is standardized and monitored for quality assurance and quality control. Three types of samples were collected during the 2018 program: rock, soil, and till 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 from the field all of the sample metadata was input into a digital database. The rock and soil samples from the Justin program were delivered by TerraLogic employees directly to ALS Minerals at 78 Mt. Sima Road, Whitehorse, Yukon for sample preparation. Subsequent analysis was completed by ALS Minerals at 2103 Dollarton Hwy, North Vancouver, British Columbia. All till samples were delivered to Overburden Drilling Management (ODM) in Ottawa, Ontario for sample preparation and analysis.

Rock Samples

Rock samples were collected from regolith or outcrop as fist sized grab samples (least representative), or from bedrock as channel or chip samples (most representative). A channel sample is a continuous and representative sample that is cut from the bedrock using a gas powered, diamond-studded cutting blade. The “channel” of rock was broken out of the bedrock between parallel cut lines using a hammer and rock chisel. A chip sample is a continuous and representative sample taken over a specific direction and length using a hammer and chisel to “chip” the rock into the sample bag. The sample material for both the channel and chip samples was placed into poly bags that contained a sample tag and were labelled with their corresponding sample number. Each sample bag was sealed with a locking zip tie at the time of collection.

Rock samples were recorded in a notebook for the following attributes which include: major rock type, minor rock type (where relevant), colour fresh & weathered, texture, grain size, mineralization, alteration, veining and structure. In addition spatial location data, and the azimuth, length and inclination of each sample was collected to allow for the calculation of true width and the plotting of true sample lengths in map plan view. All sample metadata was recorded into the Justin project digital database at the end of the field program. A metal tag with the sample number written on it was affixed at each sample station to allow for identification of the sample location if follow-up field work is required. The metal tags will need to be reclaimed prior to closure of the exploration permit.

Soil Samples

Soil samples were collected from pre-determined survey lines. Soil lines were navigated using a compass bearing and hand held GPS units. Sample spacing during this program was 25.0 metres. Soil samples were collected using augers or from pits dug with geotuls to an average depth of 41 centimetres. Where possible the soil sample was collected from the B-Horizon of the soil profile, unless the C-Horizon was the only available sample medium. 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.

Till Samples

The till samples were collected to conform to the sample methodology outlined by the Geological Survey of Canada Open File 5807. All pertinent sample metadata such as sample site location, site specific conditions and relevant photos were recorded using a standardized sample collection template provided by the Geological Survey of Canada Open File 5807. Upon completion of the field work all of the sample metadata was integrated into the Justin project digital database. Approximately 5.4-7.8 kilograms of <5 millimeter of C-horizon till material was screened in the field into large poly bag. Once the desired amount of material was obtained the sample was sealed with a locking zip tie to prevent contamination of the sample during transport from the property.

Sample Handling and Shipping Procedure

All soil samples were brought back to the field base camp where samples were arranged in order and laid to dry. Rock samples were also lined up in order of sampler and number at each trench location. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of the field program all samples were flown out from the project and transported to Whitehorse where individual shipments was prepared for each sample type. The field crew went 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. Then the field crew recorded 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 was packed to weigh approximately 25 kilograms. 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.

Each till sample was packaged in a large plastic sample bag and placed within a plastic bucket. The locking lid of each bucket was secured with packing tape. The till samples were delivered to Overburden Drilling Management in Ottawa, Ontario via Overland West and related interline carriers.

3.2 Analytic Procedures

All rock and soil samples were submitted to ALS Minerals in Whitehorse for preparation. Geochemical analysis was completed at ALS Minerals Laboratory in Vancouver. The following analytical techniques were used for all rock samples: ME-MS41, Au-AA26 50 g Fire Assay and a select grouping of samples were further analyzed by a Screen Metallic Fire Assay Method Au-SCR24C. All gold values reported in the technical report are the total gold value provided by the Screen Metallic Fire Assay Method. The following analytical techniques were used for all soil samples: ME-MS41, Au-ST43 and Au-AROR43 for all samples > 0.1 ppm Au. The Company's QAQC measures included insertion of external blanks and standards into the sample stream for all rock chip/channel samples. A minimum of one standard sample and one blank sample were inserted for each continuous set of trench samples. Additional QAQC samples were added to the sample sequence at the discretion of the geologist where visible gold was noted in quartz vein material.

All till samples were submitted to ODM in Ottawa, Ontario for preparation and analysis. The sample was processed for gold grains and Metamorphosed Massive Sulphide Indicator Minerals (MMSIMs®) analysis.

The following documents summarize each sample preparation and analytic technique used on the samples collected during the 2018 exploration program on the Justin project.

PREP-41

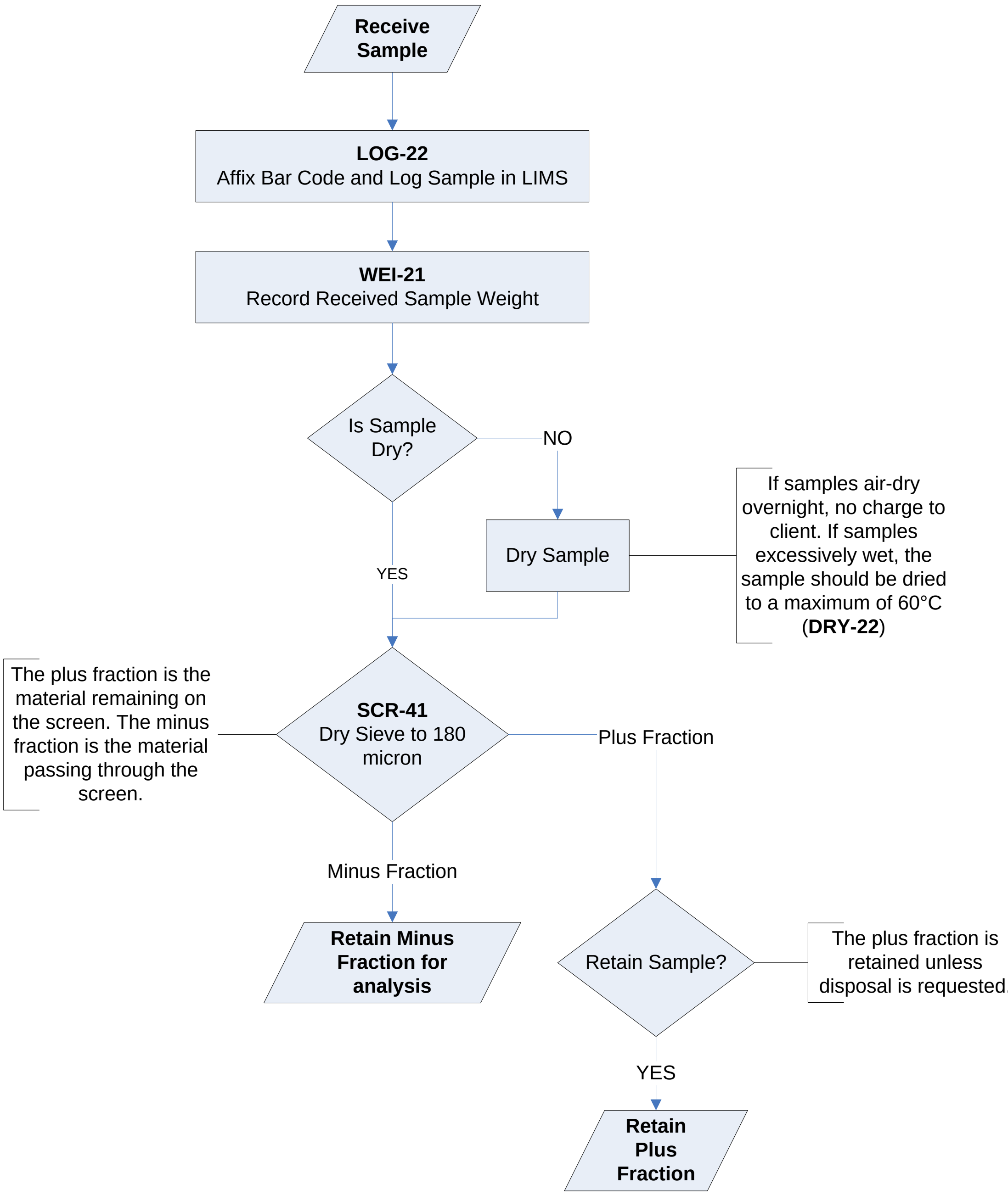
Standard Preparation: Dry sample and dry-sieve to –180 micron

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.
SCR-41	Sample is dry-sieved to – 180 micron and both the plus and minus fractions are retained.

Sample Preparation Flowchart Package –PREP-41



PREP-31H
Standard Sample Preparation: Dry, Crush, Split and Pulverize (500g)

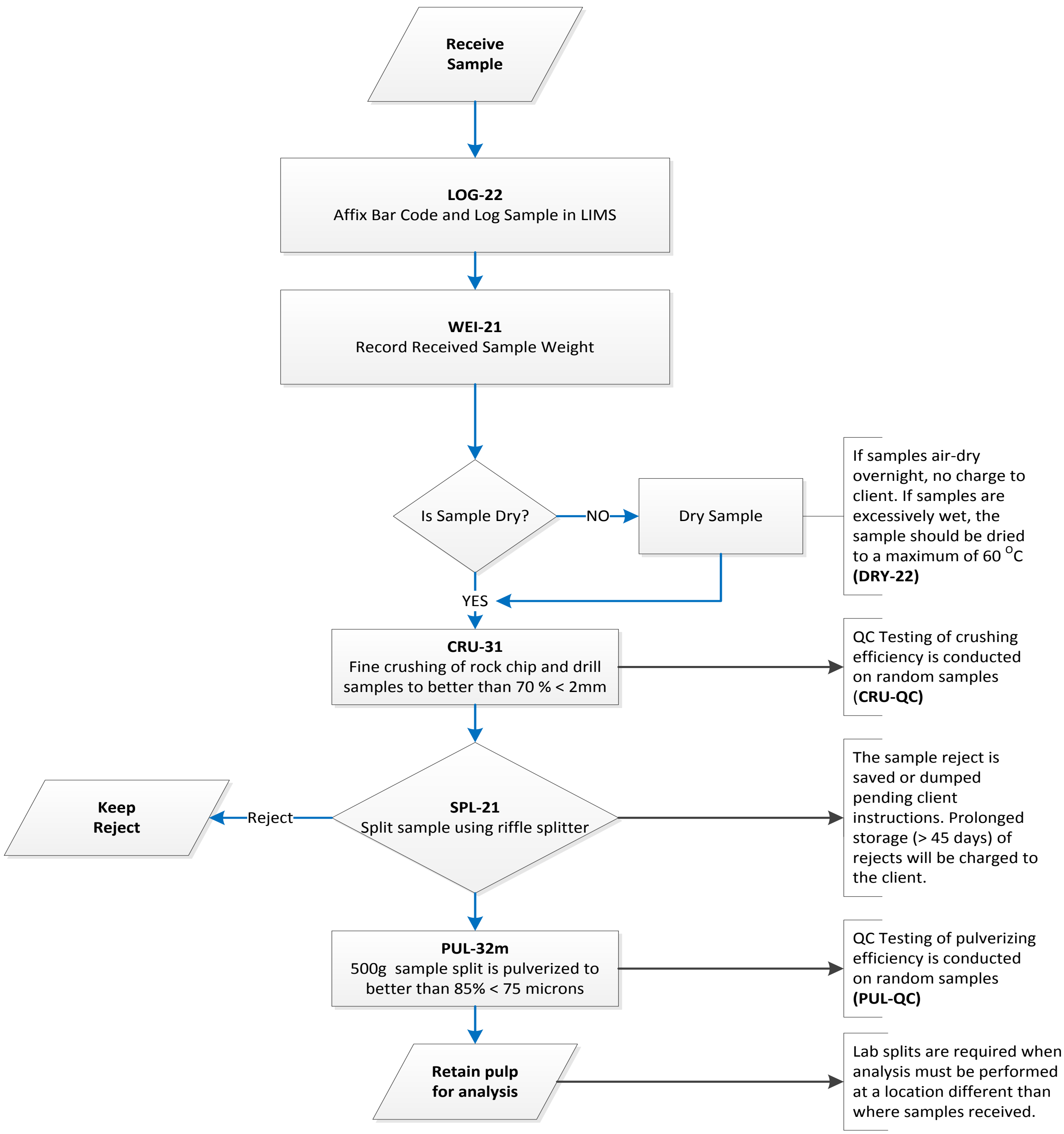
Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

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 500g split 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.
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-32m	A 500g sample split is pulverized to better than 85 % of the sample passing 75 microns.

Flow Chart -

Sample Preparation Package – PREP-31H
Standard Sample Preparation: Dry, Crush, Split and Pulverize (500g)



Pulverizing Procedures PUL-21(a/b) – PUL-22(a/b/c) Pulverize entire sample up to 3 kg

Analytical Method:

‘Flying Disk’ or ‘Ring and Puck’ style grinding Mill

The entire sample is ground in a ring mill pulverizer using a standard low chrome steel ring set. For most sample types at least 85 % of the pulverized material will pass through a 75 micron screen.

Method Code	Mass	Specifications	Description
PUL-21	≤ 3 kg	85 % < 75 μm	The entire sample up to 3 kg is pulverized to better than 85 % of the sample passing 75 microns
PUL-21a	≤ 3 kg	90 % < 75 μm	The entire sample up to 3 kg is pulverized to better than 90 % of the sample passing 75 microns
PUL-21b	≤ 3 kg	95 % < 75 μm	The entire sample up to 3 kg is pulverized to better than 95 % of the sample passing 75 microns
PUL-22	≤ 3 kg	85 % < 75 μm	Pulverizing up to 3 kg of sample in LM5 bowl
PUL-22a	≤ 3 kg	85 % < 75 μm	Pulverizing an additional 3 kg of sample in an LM5 bowl
PUL-22b	≤ 3 kg	85 % < 75 μm	Pulverizing an additional 3 kg of sample in an LM5 bowl
PUL-22c	≤ 3 kg	85 % < 75 μm	Pulverizing an additional 3 kg of sample in an LM5 bowl
PUL-QC	25 g	See method specifications	Testing procedure for ring pulverized material

Note: All grinding surfaces impart some degree of metal content to samples during preparation. Please review our technical note “*Contamination Introduced by Sample Preparation Equipment*” for further information.

Au- AA25 and 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-GRA22

Au-SCR24
Precious Metals Analysis – Screen Metallics Gold, Double Minus

Sample Decomposition:

Fire Assay Fusion (FA-FUS05)

Analytical Method:

Gravimetric

The sample pulp (up to 1000g) is passed through a 100 µm (Tyler 150 mesh) stainless steel screen. Any material remaining on the screen (+) 100 µm is retained and analyzed in its entirety by fire assay with gravimetric finish and reported as the Au (+) fraction. The material passing through the screen (-) 100 µm fraction) is homogenized and two sub-samples (50g) are analyzed by fire assay with AAS finish (Au-AA26 and Au-AA26D). 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.

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:

$$Au^{-}avg\,(ppm) = \frac{Au^{-}(1) + Au^{-}(2)}{2}$$

$$AuTotal(ppm) = \frac{(Au^{-}avg(ppm) \times Wt.Minus(g)) + (Au^{+}(ppm)\ x\ Wt.\ Plus\ (g))}{(Wt.Minus(g) + Wt.Plus(g))}$$

Determination Reported	Description	Units	Lower Limit	Upper Limit

Au Total (+)(-) Combined	Total gold content of sample as determined by metallics calculation above.	ppm	0.05	1000
Au (+) Fraction	Gold content of plus fraction determined by Au-GRA22.	ppm	0.05	100,000
Au (-) Fraction	Gold content of minus fraction. Reported as average of two sub-samples.	ppm	0.01	1000
Au-AA26	Gold content of first minus fraction subsample.	ppm	0.01	1000
Au-AA26D	Gold content of second minus fraction subsample.	ppm	0.01	1000
Au (+) mg	Weight of gold in plus fraction.	mg	0.001	1000
WT. (+) Fraction Entire	Weight of plus fraction.	g	0.01	1000
WT. (-) Fraction Entire	Weight of minus fraction.	g	0.1	100,000

ME-MS41: Ultra-Trace Level Method 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.

List of Reportable Analytes:

Analyte	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	0.02	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
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

Analyte	Symbol	Units	Lower Limit	Upper Limit
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
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10,000
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.*

Au-ST43 & Au-ST44

Determination of Ultra Trace Level Gold by Aqua Regia Digestion – ICP-MS Finish

Sample Decomposition:

Aqua regia gold digestion (GEO-AuAR01/02)

Analytical Method:

Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)

A sample (25 – 50 g) is digested in a mixture of 3 parts hydrochloric acid and 1 part nitric acid (aqua regia). This acid mixture generates nascent chlorine and nitrosyl chloride, which will dissolve free gold and gold compounds such as calaverite ($AuTe_2$).

Digestion of each sample is performed in individual disposable HDPE bottles to eliminate the probability of contamination.

Gold is determined by ICP-MS directly from the digestion liquor. The AuME-ST43 and AuME-ST44 super trace methods offer the lowest detection limits for gold and multi-element available. Analysis via ICP-MS instrumentation utilizing collision/reaction cell technologies provide these super trace detection limits.

Note: Samples high in sulphide or carbon content may lead to low gold recoveries unless they are roasted prior to digestion.

Method	Element	Sample Mass	Units	Lower Limit	Upper Limit
Au-ST43	Gold (Au)	25g	ppm	0.0001	0.1
Au-ST44	Gold (Au)	50g	ppm	0.0001	0.1

ME-OG46- Ore Grade Elements by Aqua Regia Digestion Using Conventional ICP-AES Analysis

Sample Decomposition:

HNO_3 - HCl Digestion (ASY-AR01)

Analytical Method:

Inductively Coupled Plasma – Atomic Emission Spectroscopy (ICP-AES)

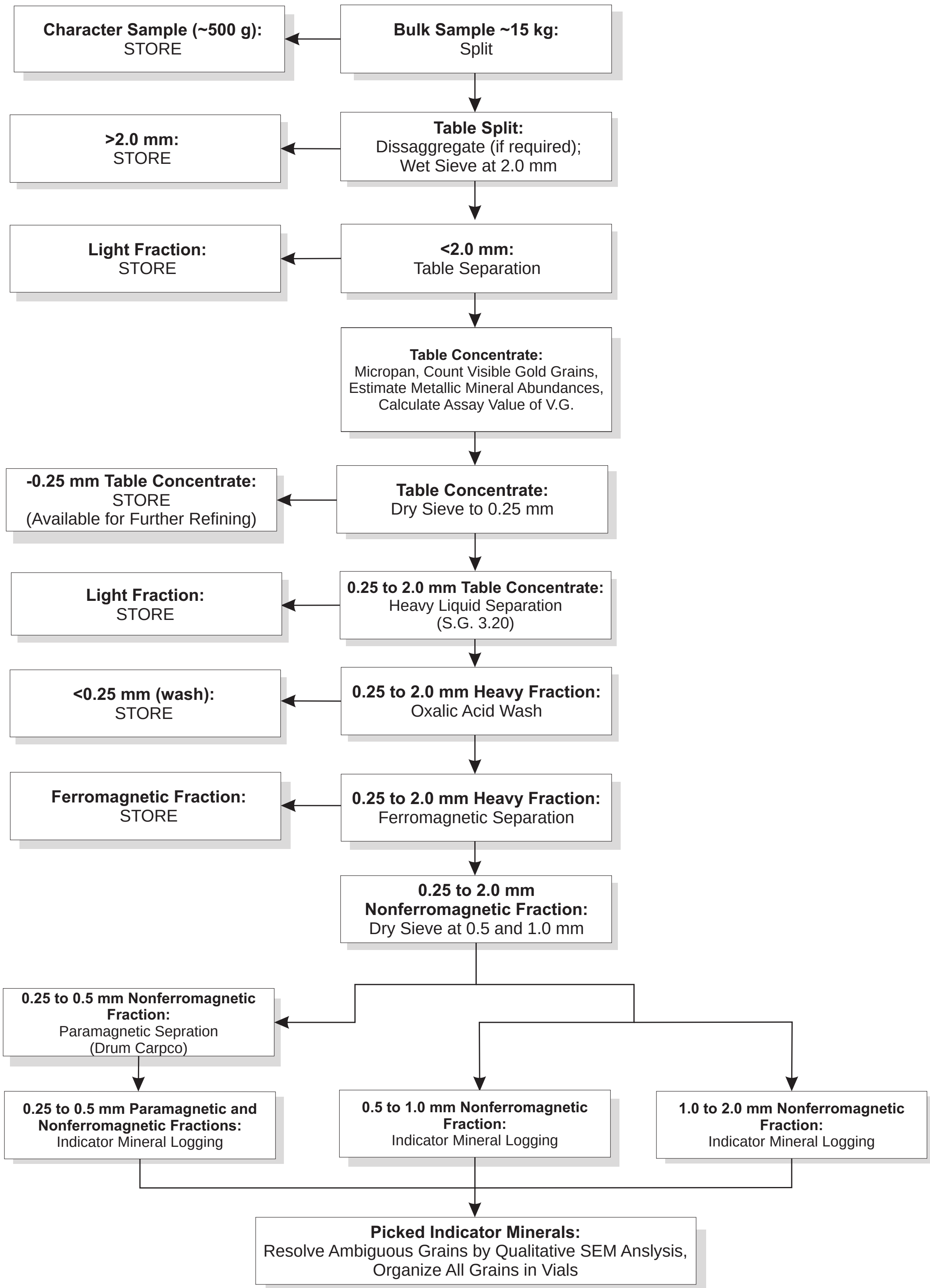
Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra-high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample (0.4 g) is digested with concentrated nitric acid for 90 minutes in a graphite heating block. The resulting solution is diluted with concentrated hydrochloric acid before cooling to room temperature. The samples are diluted in a volumetric flask (100 or 250) mL with demineralized water and analyzed using atomic absorption spectrometry.

*NOTE: ICP-AES is the default finish technique for ME-OG46. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	60
Cadmium	Cd	%	0.001	10
Cobalt	Co	%	0.0005	30
Copper	Cu	%	0.001	50
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	60
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	30
Lead	Pb	%	0.001	20
Sulphur	S	%	0.01	10
Zinc	Zn	%	0.001	30

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 the technical report:

- Arc GIS 10.3
- Microsoft Office
- IoGas
- Adobe Acrobat 10

Appendix IV

Sample Locations & Sample Description Data

Appendix 4 - Rock Sample Data

Sample	Sampler	Date	UTM Zone	E UTM	N UTM	Location Method	Location Acc (m)	Elevation (m)	Sample Type	channel_len_m	channel_az	channel_incl	Lith Major	Lith Minor	Colour Weathered	Colour Fresh	Grain Size	Texture	Mineralized	Altered	Is Vein	Least Altered	bucket_num	ship_num
HGJNR001	HG	9/4/2018	09N	544608	6840427	map	10	1566	float				quartz	phyllite			fine-medium		TRUE	TRUE	TRUE	FALSE	14	JN18-001
HGJNR003	HG	9/6/2018	09N	549039	6837153	GPS internal	3	1477	grab				phyllite	quartz	139 126 94	174 191 198	boulder		FALSE	TRUE	TRUE	FALSE	14	JN18-001
HGJNR004	HG	9/6/2018	09N	548997	6837107	GPS internal	5	1430	grab				actinolite	actinolite			boulder		FALSE	TRUE	FALSE	FALSE	14	JN18-001
KBJNR001	KB	9/2/2018	09N	544760	6840700	gps	3	1449	grab				vein				fine-medium		TRUE	TRUE	TRUE	FALSE	14	JN18-001
MMJNR145	MM	9/6/2018	09N	544740	6840694	gps	8	1458	chip	1	146	10	grit	gouge			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	1	JN18-001
MMJNR146	MM	9/6/2018	09N	544741	6840693	gps	8	1458	chip	1	146	25	grit	gouge			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	1	JN18-001
MMJNR147	MM	9/6/2018	09N	544741	6840692	gps	8	1458	chip	1	146	12	grit	gouge			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	1	JN18-001
MMJNR148	MM	9/6/2018	09N	544743	6840691	gps	8	1458	channel	1.5	126	22	grit				fine-medium	fractured	TRUE	TRUE	TRUE	FALSE	1	JN18-001
MMJNR149	MM	9/6/2018	09N	544744	6840692	gps	8	1458	channel	1	130	44	grit				fine-medium	fractured	TRUE	TRUE	TRUE	FALSE	2	JN18-001
MMJNR150	MM	9/6/2018	09N	544744	6840692	gps	8	1458	channel	1.4	146	14	grit	vein			fine-medium	fractured	TRUE	TRUE	TRUE	FALSE	2	JN18-001
MMJNR151	MM	9/6/2018	09N	544745	6840691	gps	8	1458	channel	1	126	6	vein				fine	ribbon	TRUE	TRUE	TRUE	FALSE	2	JN18-001
MMJNR152	MM	9/6/2018	09N	544746	6840690	gps	8	1458	channel	1	116	6	vein				medium-coarse	fractured	TRUE	TRUE	TRUE	FALSE	2	JN18-001
MMJNR153	MM	9/6/2018	09N	544747	6840690	gps	8	1458	channel	1	118	6	vein				medium-coarse	fractured	TRUE	TRUE	TRUE	FALSE	3	JN18-001
MMJNR154	MM	9/6/2018	09N	544748	6840689	gps	8	1458	chip	1	116	0	vein				medium-coarse	fractured	TRUE	TRUE	TRUE	FALSE	3	JN18-001
MMJNR155	MM	9/6/2018	09N	544749	6840689	gps	8	1458	chip	1	64	18	grit	conglomerate			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	3	JN18-001
MMJNR156	MM	9/6/2018	09N	544749	6840689	gps	8	1458	chip	1	96	4	grit	conglomerate			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	3	JN18-001
MMJNR157	MM	9/6/2018	09N	544750	6840689	gps	8	1458	chip	1	124	6	grit	conglomerate			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	3	JN18-001
MMJNR158	MM	9/6/2018	09N	544751	6840689	gps	8	1458	chip	1	124	12	grit	conglomerate			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	4	JN18-001
MMJNR159	MM	9/6/2018	09N	544742	6840691.5	gps	8	1458	grab				vein				medium-coarse	fractured	TRUE	TRUE	TRUE	FALSE	4	JN18-001
MMJNR160	MM	9/6/2018	09N	544745	6840691.2	gps	8	1458	grab				vein				medium-coarse	rotten	TRUE	TRUE	TRUE	FALSE	4	JN18-001
MMJNR161	MM	9/7/2018	09N	544765	6840696	gps	8	1449	chip	1	291	0	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	4	JN18-001
MMJNR162	MM	9/7/2018	09N	544764	6840696	gps	8	1449	chip	1	291	0	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	4	JN18-001
MMJNR163	MM	9/7/2018	09N	544763	6840697	gps	8	1449	chip	1	291	0	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	5	JN18-001
MMJNR164	MM	9/7/2018	09N	544762	6840697	gps	8	1449	chip	1	291	8	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	5	JN18-001
MMJNR165	MM	9/7/2018	09N	544761	6840697	gps	8	1449	chip	1	244	12	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	5	JN18-001
MMJNR166	MM	9/7/2018	09N	544760	6840697	gps	8	1449	chip	1	239	12	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	5	JN18-001
MMJNR167	MM	9/7/2018	09N	544760	6840696	gps	8	1449	chip	1	239	14	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	6	JN18-001
MMJNR168	MM	9/7/2018	09N	544759	6840696	gps	8	1449	chip	1	292	8	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	6	JN18-001
MMJNR169	MM	9/7/2018	09N	544758	6840696	gps	8	1449	chip	1	302	8	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	6	JN18-001
MMJNR170	MM	9/7/2018	09N	544757	6840697	gps	8	1449	chip	1	312	-12	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	6	JN18-001
MMJNR171	MM	9/7/2018	09N	544756	6840698	gps	8	1449	chip	1	336	0	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	7	JN18-001
MMJNR172	MM	9/7/2018	09N	544756	6840698	gps	8	1449	chip	1	4	-20	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	7	JN18-001
MMJNR173	MM	9/7/2018	09N	544756	6840699	gps	8	1449	chip	1	4	-20	phyllite	grit			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	7	JN18-001
MMJNR174	MM	9/7/2018	09N	544760	6840697.5	gps	8	1449	grab				vein				fine-medium	fractured	TRUE	TRUE	TRUE	FALSE	7	JN18-001
MMJNR175	MM	9/7/2018	09N	544760	6840697.5	gps	8	1449	grab				vein				fine	fractured	TRUE	TRUE	TRUE	FALSE	7	JN18-001
MMJNR176	MM	9/7/2018	09N	544765	6840696	gps	8	1449	grab				vein				fine	boudinage	TRUE	TRUE	TRUE	FALSE	8	JN18-001
MMJNR177	MM	9/7/2018	09N	544765	6840696	gps	8	1449	grab				vein				fine	boudinage	TRUE	TRUE	TRUE	FALSE	8	JN18-001
MMJNR178	MM	9/8/2018	09N	544868	6840662	gps	8	1434	channel	1	10	60	quartz pebble conglomerate	vein			medium-coarse	foliated	TRUE	TRUE	TRUE	FALSE	8	JN18-001
MMJNR179	MM	9/8/2018	09N	544868	6840663	gps	8	1434	chip	1	41	-12	quartz pebble conglomerate	vein			medium-coarse	foliated	FALSE	TRUE	FALSE	FALSE	8	JN18-001
MMJNR180	MM	9/8/2018	09N	544869	6840663	gps	8	1434	channel	1	46	-20	vein	phyllite			fine-medium	ribbon	TRUE	TRUE	TRUE	FALSE	9	JN18-001
MMJNR181	MM	9/8/2018	09N	544870	6840664	gps	8	1434	panel	1	21	0	phyllite	vein			fine	foliated	FALSE	TRUE	TRUE	FALSE	9	JN18-001
MMJNR182	MM	9/8/2018	09N	544870	6840665	gps	8	1434	panel	1	21	0	phyllite	vein			fine	foliated	FALSE	TRUE	TRUE	FALSE	9	JN18-001
MMJNR183	MM	9/8/2018	09N	544869	6840662.6	gps	8	1434	grab				vein				fine	ribbon	TRUE	TRUE	TRUE	FALSE	10	JN18-001
MMJNR184	MM	9/8/2018	09N	544869	6840662.6	gps	8	1434	grab				vein				fine	ribbon	TRUE	TRUE	TRUE	FALSE	10	JN18-001
MMJNR185	MM	9/8/2018	09N	544869	6840662.6	gps	8	1434	grab				vein				fine	ribbon	TRUE	TRUE	TRUE	FALSE	10	JN18-001
MMJNR186	MM	9/8/2018	09N	544848	6840671	gps	8	1439	channel	1	10	-37	grit	vein			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	10	JN18-001
MMJNR187	MM	9/8/2018	09N	544848	6840672	gps	8	1439	channel	1	10	-35	grit	vein			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	11	JN18-001
MMJNR188	MM	9/8/2018	09N	544848	6840673	gps	8	1439	channel	1.2	10	-37	vein	phyllite			fine	foliated	TRUE	TRUE	TRUE	FALSE	11	JN18-001
MMJNR189	MM	9/8/2018	09N	544848	6840674	gps	8	1439	channel	1	356	8	phyllite	vein			fine	foliated	TRUE	TRUE	TRUE	FALSE	11	JN18-001
MMJNR190	MM	9/8/2018	09N	544848	6840675	gps	8	1439	channel	0.9	356	-9	phyllite	vein			fine	foliated	TRUE	TRUE	TRUE	FALSE	11	JN18-001
MMJNR191	MM	9/8/2018	09N	544848	6840675	gps	8	1439	channel	0.6	342	-21	phyllite	vein			fine	foliated	TRUE	TRUE	TRUE	FALSE	12	JN18-001
MMJNR192	MM	9/8/2018	09N	544847	6840675	gps	8	1439	channel	1	351	-12	grit	vein			fine-medium	foliated	TRUE	TRUE	TRUE	FALSE	12	JN18-001
MMJNR193	MM	9/9/2018	09N	544835	6840692	gps	8	1437	channel	1	342	-40	vein	phyllite			fine	boudinage	FALSE	TRUE	TRUE	FALSE	12	JN18-001
MMJNR194	MM	9/9/2018	09N	544835	6840693	gps	8	1437	channel	1	342	-29	phyllite	vein			fine	foliated	FALSE	TRUE	TRUE	FALSE	12	JN18-001
MMJNR195	MM	9/9/2018	09N	544834	6840694	gps	8	1437	channel	1	342	-29	phyllite				fine	foliated	FALSE	TRUE	FALSE	FALSE	12	JN18-001
MMJNR196	MM	9/9/2018	09N	544834	6840694	gps	8	1437	chip	1	342	0	phyllite	vein			fine	foliated	TRUE	TRUE	TRUE	FALSE	13	JN18-001
MMJNR197	MM	9/9/2018	09N	544834	6840695	gps	8	1437	chip	1	342	0	phyllite				fine	foliated	FALSE	TRUE	FALSE	FALSE	13	JN18-001
MMJNR198	MM	9/9/2018	09N	544834	6840696	gps	8	1437	chip	1	342	0	phyllite				fine	foliated	FALSE	TRUE	FALSE	FALSE	13	JN18-001
MMJNR199	MM	9/9/2018	09N	544834	6840691	gps	8	1437	channel	0.3	322	18	vein	phyllite			fine	boudinage	FALSE	TRUE	TRUE	FALSE	13	JN18-001
MMJNR200	MM	9/9/2018	09N	544851	6840692	gps	8	1437	float				vein				fine	ribbon	TRUE	TRUE	TRUE	FALSE	13	JN18-001
MMJNR201	MM	9/10/2018	09N	538559	6845707	gps	10	1130	chip	2	275	0	quartz pebble conglomerate	vein			fine-medium	foliated	FALSE	TRUE	TRUE	FALSE	13	JN18-001
MMJNR202	MM	9/10/2018	09N	538559	6845707	gps	10	1130	grab				vein	phyllite			fine	rotten	TRUE	TRUE	TRUE	FALSE	13	JN18-001

Appendix 4 - Soil Sample Data

samp_num	sampler	sampled_time	utm_zone	e_utm	n_utm	loc_method	loc_acc_m	elev_m	elev_method	d_type	colour1	colour2	horizon	permafrost	samp_ph	quality	depth_cm	slope	outcrop	shortnote_1	shortnote_2	status	bucket_num	ship_num	notes
JNL019 00+25E	HG	9/6/2018	09N	549023	6837103	GPS internal	3	1438		soil	155 138 112	158 145 128	B	FALSE		2	65	30	FALSE	rocky		complete	4	JN18-002	
JNL019 00+25W	HG	9/6/2018	09N	548973	6837105	GPS internal	3	1433		soil	126 108 88	110 99 71	B	FALSE		3	55	30	FALSE			complete	4	JN18-002	
JNL019 00+50E	HG	9/6/2018	09N	549049	6837106	GPS internal	3	1439		soil	112 78 76	166 130 130	B	FALSE		3	55	30	FALSE			no sample	4	JN18-002	
JNL019 00+50W_HGJND001	HG	9/6/2018	09N	549050.25	6837108.25	unkown				soil			B	FALSE					FALSE			complete			sample data lost (synching error) - coordinates from sample collected in 2012 at same location
JNL019 00+75E	HG	9/6/2018	09N	549072	6837108	GPS internal	3	1449		soil	128 108 109	139 113 116	B	FALSE		1	65	30	FALSE	rocky	organic	complete	4	JN18-002	
JNL021 00+25E	HG	9/6/2018	09N	548990	6837201	GPS internal	3	1503		soil	100 70 36	144 126 86	B	FALSE		2	55	40	FALSE	rocky		complete	4	JN18-002	
JNL021 00+75E	HG	9/6/2018	09N	549040	6837198	GPS internal	3	1500		soil	137 111 76	161 124 80	B	FALSE		3	65	40	FALSE			complete	4	JN18-002	
JNL046 00+00	HG	9/2/2018	09N	545168	6840758	GPS internal	3	1386		soil	83 85 71	133 121 95	C	FALSE		2	10	10	FALSE	line start	crossed creek	complete	4	JN18-002	
JNL046 00+25W	HG	9/2/2018	09N	545139	6840760	GPS internal	3	1383		soil	164 154 142	192 189 180	C	FALSE		2	25	10	FALSE	crossed creek	swampy	complete	4	JN18-002	
JNL046 00+50W	HG	9/2/2018	09N	545119	6840760	GPS internal	3	1383		soil	197 191 175	134 132 111	B	FALSE		2	25	10	FALSE	swampy	organic	complete	4	JN18-002	
JNL046 00+75W	HG	9/2/2018	09N	545094	6840755	GPS internal	3	1379		soil	117 104 85	126 121 102	B	FALSE		1	25	10	FALSE	swampy		complete	4	JN18-002	
JNL046 01+00W	HG	9/2/2018	09N	545067	6840757	GPS internal	4	1388		soil	184 167 141	187 161 136	B	FALSE		3	105	10	FALSE	rocky		complete	4	JN18-002	
JNL046 01+25W	HG	9/2/2018	09N	545039	6840754	GPS internal	9	1381		soil	128 94 67	139 106 71	B	FALSE		3	25	10	FALSE	mixed B/C horizon	5m past	complete	4	JN18-002	
JNL046 01+50W	HG	9/2/2018	09N	545021	6840752	GPS internal	5	1385		soil	159 146 127	191 169 148	B	FALSE		2	25	10	FALSE	organic		complete	4	JN18-002	
JNL046 01+75W	HG	9/2/2018	09N	544994	6840750	GPS internal	3	1396		soil	139 118 87	152 145 129	B	FALSE		3	25	10	FALSE			complete	4	JN18-002	
JNL046 02+00W	HG	9/2/2018	09N	544968	6840751	GPS internal	3	1400		soil	137 122 129	179 160 164	C	FALSE		1	35	10	FALSE	rocky		complete	4	JN18-002	
JNL046 02+25W	HG	9/2/2018	09N	544940	6840750	GPS internal	3	1406		soil	183 153 115	208 184 148	C	FALSE		1	35	10	FALSE	rocky		complete	4	JN18-002	
JNL046 02+50W	HG	9/2/2018	09N	544914	6840754	GPS internal	3	1416		soil	167 136 133	156 140 143	B	FALSE		2	25	10	FALSE	rocky		complete	5	JN18-002	
JNL046 02+75W	HG	9/2/2018	09N	544890	6840752	GPS internal	3	1418		soil	183 148 152	92 64 52	B	FALSE		3	35	10	FALSE	sandy	rocky	complete	5	JN18-002	
JNL046 03+00W	HG	9/2/2018	09N	544865	6840751	GPS internal	3	1427		soil	122 90 77	135 118 128	B	FALSE		3	25	10	FALSE	rocky		complete	5	JN18-002	
JNL046 03+25W	HG	9/2/2018	09N	544846	6840752	GPS internal	3	1432		soil	109 67 51	196 151 132	B	FALSE		3	35	10	FALSE	rocky		complete	5	JN18-002	
JNL047 00+00	HG	9/2/2018	09N	544334	6840706	GPS internal	3	1580		soil	184 169 102	188 177 147	B	FALSE		2	10	10	FALSE	line start	organic	complete	5	JN18-002	
JNL047 00+25E	HG	9/2/2018	09N	544359	6840702	GPS internal	4	1560		soil	183 166 120	96 82 35	B	FALSE		2	25	10	FALSE	rocky		complete	5	JN18-002	
JNL047 00+50E	HG	9/2/2018	09N	544386	6840702	GPS internal	5	1559		soil	199 179 146	212 174 138	B	FALSE		3	25	10	FALSE			complete	5	JN18-002	
JNL047 00+75E	HG	9/2/2018	09N	544411	6840702	GPS internal	4	1549		soil	182 148 103	183 154 114	B	FALSE		2	35	10	FALSE			complete	5	JN18-002	
JNL047 01+00E	HG	9/2/2018	09N	544436	6840706	GPS internal	3	1546		soil	128 118 82	128 115 98	B	FALSE		2	35	10	FALSE	rocky		complete	5	JN18-002	
JNL047 01+25E	HG	9/2/2018	09N	544460	6840705	GPS internal	3	1532		soil	104 76 54	204 165 108	B	FALSE		3	45	10	FALSE	rocky		complete	5	JN18-002	
JNL047 01+50E	HG	9/2/2018	09N	544484	6840706	GPS internal	3	1518		soil	179 158 129	150 127 93	B	FALSE		3	35	10	FALSE	talus		complete	5	JN18-002	
JNL047 01+75E	HG	9/2/2018	09N	544512	6840707	GPS internal	3	1515		soil	114 99 60	205 198 179	B	FALSE		2	105	20	FALSE	organic		complete	5	JN18-002	
JNL047 02+00E	HG	9/2/2018	09N	544531	6840708	GPS internal	3	1505		soil	146 111 79	167 128 99	B	FALSE		3	35	10	FALSE			complete	5	JN18-002	
JNL047 02+25E	HG	9/2/2018	09N	544559	6840708	GPS internal	3	1496		soil	64 48 22	180 173 157	B	FALSE		2	45	10	FALSE	clay		complete	5	JN18-002	
JNL047 02+50E	HG	9/2/2018	09N	544584	6840709	GPS internal	3	1492		soil			B	FALSE		3	105	10	FALSE			no sample	5	JN18-002	
JNL047 02+75E	HG	9/4/2018	09N	544611	6840719	GPS internal	4	1485		soil	175 160 157	148 136 120	B	FALSE		2	35	20	FALSE	swampy		complete	4	JN18-002	
JNL047 03+00E	HG	9/4/2018	09N	544634	6840714	GPS internal	4	1475		soil	172 149 107	156 139 96	B	FALSE		2	35	20	FALSE	organic	rocky	complete	4	JN18-002	
JNL047 03+25E	HG	9/4/2018	09N	544657	6840719	GPS internal	3	1472		soil	135 110 80	148 126 105	B	FALSE		3	25	10	FALSE	5m before		complete	4	JN18-002	
JNL047 03+50E	HG	9/4/2018	09N	544679	6840714	GPS internal	3	1463		soil	102 71 53	155 129 106	B	FALSE		3	15	20	FALSE			complete	4	JN18-002	
JNL047 03+75E	HG	9/4/2018	09N	544708	6840717	GPS internal	3	1460		soil	111 102 85	180 165 132	B	FALSE		2	25	20	FALSE	silty clay		complete	4	JN18-002	
JNL047 04+00E	HG	9/4/2018	09N	544736	6840718	GPS internal	3	1451		soil	155 124 119	111 83 80	B	FALSE		3	25	10	FALSE	organic		complete	5	JN18-002	
JNL047 04+25E	HG	9/4/2018	09N	544760	6840716	GPS internal	3	1453		soil	162 131 137	163 131 136	B	FALSE		3	25	10	FALSE			complete	5	JN18-002	
JNL047 04+50E	HG	9/4/2018	09N	544783	6840719	GPS internal	3	1441		soil	178 138 149	139 103 115	B	FALSE		3	25	10	FALSE			complete	5	JN18-002	
JNL047 04+75E	HG	9/4/2018	09N	544809	6840719	GPS internal	3	1443		soil	184 187 166	179 160 120	B	FALSE		3	45	10	FALSE	rocky		complete	5	JN18-002	
JNL047 05+00E	HG	9/4/2018	09N	544839	6840726	GPS internal	3	1451		soil	176 143 150	123 97 100	B	FALSE		1	25	10	FALSE	rocky	organic	complete	5	JN18-002	
JNL047 05+25E	HG	9/4/2018	09N	544864	6840713	map				soil	173 148 107	163 142 99	B	FALSE		3	25	10	FALSE	rocky		complete	5	JN18-002	
JNL047 05+50E	HG	9/4/2018	09N	544885	6840721	GPS internal	3	1427		soil	126 89 70	116 83 66	B	FALSE		2	25	10	FALSE	rocky		complete	5	JN18-002	
JNL047 05+75E	HG	9/4/2018	09N	544910	6840722	GPS internal	3	1423		soil	147 111 89	127 99 78	mix	FALSE		2	25	10	FALSE	rocky	mixed B/C horizon	complete	5	JN18-002	
JNL047 06+00E	HG	9/4/2018	09N	544935	6840724	GPS internal	3	1414		soil	143 117 90	174 141 106	B	FALSE		3	35	10	FALSE			complete	5	JN18-002	
JNL047 06+25E	HG	9/4/2018	09N	544962	6840727	GPS internal	4	1418		soil	142 119 88	135 113 100	C	FALSE		2	25	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL047 06+50E	HG	9/4/2018	09N	544985	6840726	GPS internal	4	1406		soil	150 131 125	198 178 179	mix	FALSE		1	35	10	FALSE	swampy	rocky	complete	5	JN18-002	
JNL047 06+75E	HG	9/4/2018	09N	545011	6840724	GPS internal	4	1396		soil			B	FALSE		3	105	10	FALSE			no sample	5	JN18-002	
JNL047 07+00E	HG	9/4/2018	09N	545038	6840728	GPS internal	3	1402		soil	191 164 143	116 100 100	B	FALSE		3	35	10	FALSE			complete	5	JN18-002	
JNL047 07+25E	HG	9/4/2018	09N	545063	6840728	GPS internal	4	1380		soil	127 83 70	110 75 69	C	FALSE		3	25	10	FALSE	rocky		complete	5	JN18-002	
JNL047 07+50E	HG	9/4/2018	09N	545087	6840731	GPS internal	5	1381		soil	120 93 86	124 90 80	mix	FALSE		1	25	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL047 07+75E	HG	9/4/2018	09N	545107	6840726	GPS internal	3	1376		soil	64 66 65	101 95 105	B	FALSE		1	75	10	FALSE	organic	crossed creek	complete	5	JN18-002	
JNL047 08+00E	HG	9/4/2018	09N	545135	6840728	GPS internal	3	1382		soil	149 158 153	179 166 131	mix	FALSE		1	45	10	FALSE	rocky	organic	complete	5	JN18-002	
JNL047 08+25E	HG	9/4/2018	09N	545161	6840730	GPS internal	3	1383		soil	162 145 125	115 88 61	B	FALSE		1	55	10	FALSE	swampy	rocky	complete	5	JN18-002	
JNL047 08+50E	HG	9/4/2018	09N	545180	6840728	GPS internal	3	1383		soil	118 107 85	123 107 84	mix	FALSE		2	35	10	FALSE	line end	mixed B/C horizon	complete	5	JN18-002	
JNL048 00+00	HG	9/3/2018	09N	545320	6840671	map	3	1390		soil	126 136 128	110 117 101	B	FALSE		2	35	10	FALSE	line start		complete	3	JN18-002	
JNL048 00+25W	HG	9/3/2018	09N	545293	6840672	GPS internal	3	1394		soil	154 95 91	117 95 107	B	FALSE		3	25	10	FALSE	crossed creek		complete	3	JN18-002	
JNL048 00+50W	HG	9/3/2018	09N	545264	6840670	GPS internal	5	1393		soil	94 68 41	201 167 142	B	FALSE		3	35	10	FALSE	swampy		complete	3	JN18-002	
JNL048 00+75W	HG	9/3/2018	09N	545243	6840672	GPS internal	3	1399		soil	195 165 137	153 129 101	B	FALSE		1	35	10	FALSE	crossed creek	organic	complete	3	JN18-002	
JNL048 01+00W	HG	9/3/2018	09N	545218	6840669	GPS internal	4	1384		soil	214 201 169	232 217 194	B	FALSE		2	25	10	FALSE	clay		complete	3	JN18-002	
JNL048 01+25W	HG	9/3/2018	09N	545191	6840672	GPS internal	3	1391		soil	170 153 133	226 212 199	B	FALSE		1	45	10	FALSE	swampy	organic	complete	3	JN18-002	
JNL048 01+50W	HG	9/3/2018	09N	545165	6840671	GPS internal	4	1387		soil	206 164 168	114 84 86	B	FALSE		2	105	10	FALSE	swampy	organic	complete	3	JN18-002	
JNL048 01+75W	HG	9/3/2018	09N	545143	6840670	GPS internal	3	1388		soil	203 181 144	123 95 83	mix	FALSE		2	45	10	FALSE	rocky		complete	3	JN18-002	
JNL048 02+00W	HG	9/3/2018	09N	545114	6840671	GPS internal	3	1395		soil	207 177 139	175 142 107	B	FALSE		3	45	10	FALSE	rocky		complete	3	JN18-002	
JNL048 02+25W	HG	9/3/2018	09N	545093	6840665	GPS internal	3	1396		soil	242 204 183	187 142 119	B	FALSE		3	35	10	FALSE			complete	3	JN18-002	
JNL048 02+50W	HG	9/3/2018	09N	545068	6840664	GPS internal	4	1402		soil	146 114 75	215 184 155	B	FALSE		4	55	10	FALSE			complete	4	JN18-002	
JNL048 02+75W	HG	9/3/2018	09N	545040	6840662	GPS internal	4	1409		soil	149 88 96	109 80 72	mix	FALSE		2	65	10	FALSE	rocky		complete	4	JN18-002	
JNL048 03+00W	HG	9/3/2018	09N	545015	6840662	GPS internal	4	1409		soil	209 170 131	174 127 101	C	FALSE		3	65	10	FALSE	rocky		complete	4	JN18-002	
JNL048 03+25W	HG	9/3/2018	09N	544996	6840666	GPS internal	4	1417		soil	146 107 78	134 101 66	mix	FALSE		3	25	20	FALSE	rocky		complete	4	JN18-002	
JNL048 03+50W	HG	9/3/2018	09N	544964	6840660	GPS internal	4	1422		soil	131 131 123	140 135 129	mix	FALSE		2	45	10	FALSE	rocky		complete	4	JN18-002	
JNL048 03+75W	HG	9/3/2018	09N	544942	6840662	GPS internal	3	1427		soil	181 143 120	171 111 61	B	FALSE		2	45	10	FALSE	organic	rocky	complete	4	JN18-002	
JNL048 04+00W	HG	9/3/2018	09N	544919	6840663	GPS internal	4	1435		soil	207 159 136	182 128 90	B	FALSE		3	35	10	FALSE			complete	4	JN18-002	
JNL048 04+25W	HG	9/3/2018	09N	544890	6840662	GPS internal	4	1438		soil	124 104 106	126 97 102	B	FALSE		2	25	10	FALSE	rocky		complete	4	JN18-002	
JNL048 04+50W	HG	9/3/2018	09N	544867	6840663	GPS internal	3	1441		soil	121 92 86	211 167 140	B	FALSE		2	35	10	FALSE	rocky		complete	4	JN18-002	
JNL048 04+75W	HG	9/3/2018	09N	544843	6840663	GPS internal	3	1455		soil	153 130 112		mix	FALSE		1	35	10	FALSE	organic	rocky	complete	4	JN18-002	
JNL048 05+00W	HG	9/3/2018	09N	544817	6840663	GPS internal	3	1459		soil	92 85 75	131 109 88	B	FALSE		1	25	10	FALSE	organic		complete	4	JN18-002	
JNL048 05+25W	HG	9/3/2018	09N	544793	6840660	GPS internal	3	1464		soil	174 147 120	147 114 95	B	FALSE		1	25	10	FALSE	organic		complete	4	JN18-002	
JNL048 05+50W	HG	9/3/2018	09N	544767	6840657	GPS internal	4	1466		soil	122 111 125	130 118 130	B	FALSE		2	25	20	FALSE	organic		complete	4	JN18-002	
JNL048 05+75W	HG	9/3/2018	09N	544738	6840656	GPS internal	3	1473		soil	166 135 114	211 185 172	B	FALSE		3	25	10	FALSE			complete	6	JN18-002	
JNL048 06+00W	HG	9/3/2018	09N	544716	6840656	GPS internal	3	1474		soil	138 126 110	110 92 78	B	FALSE		3	35	20	FALSE			complete	6	JN18-002	
JNL048 06+25W	HG	9/3/2018	09N	544690	6840652	GPS internal	3	1470		soil	161 134 115	199 166 149	B	FALSE		2	25	20	FALSE	organic		complete	6	JN18-002	
JNL048 06+50W	HG	9/3/2018	09N	544664	6840655	GPS internal	3	1495		soil	142 97 64	245 205 169	B	FALSE		2	25	10	FALSE			complete	6	JN18-002	
JNL048 06+75W	HG	9/3/2018	09N	544641	6840654	GPS internal	3	1492		soil	160 150 148	154 148 148	B	FALSE		2	35	10	FALSE	rocky		complete	6	JN18-002	
JNL048 07+00W	HG	9/3/2018	09N	544620	6840655	GPS internal	3	1500		soil	175 170 166	163 156 150	B	FALSE		3	45	10	FALSE			complete	6	JN18-002	
JNL048 07+25W	HG	9/3/2018	09N	544592	6840652	GPS internal	3	1504		soil	124 112 124	112 97 100	B	FALSE		1	35	10	FALSE	organic	rocky	complete	6	JN18-002	
JNL048 07+50W	HG	9/3/2018	09N	544563	6840651	GPS internal	4	1503		soil	140 122 84	168 159 142	B	FALSE		2	35	10	FALSE	rocky		complete	6	JN18-002	
JNL048 07+75W	HG	9/3/2018	09N	544541	6840650	GPS internal	3	1509		soil	153 162 161	150 155 159	B	FALSE		1	25	10	FALSE	swampy	rocky	complete	6	JN18-002	
JNL048 08+00W	HG	9/3/2018	09N	544515	6840651	GPS internal	3	1522		soil	147 125 88	167 165 124	B	FALSE		2	35	10	FALSE	muskeg		complete	6	JN18-002	
JNL048 08+25W	HG	9/3/2018	09N	544493	6840650	GPS internal	4	1524		soil	165 156 151	118 101 91	mix	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	6	JN18-002	
JNL048 08+50W	HG	9/3/2018	09N	544467	6840648	GPS internal	4	1535		soil	137 87 24	184 146 83	B	FALSE		3	105	10	FALSE			complete	6	JN18-002	
JNL048 08+75W	HG	9/3/2018	09N	544443	6840652	GPS internal	5	1550		soil	140 140 138	141 137 136	B	FALSE		3	35	20	FALSE	rocky		complete	6	JN18-002	

Appendix 4 - Soil Sample Data

samp_num	sampler	sampled_time	utm_zone	e_utm	n_utm	loc_method	loc_acc_m	elev_m	elev_method	d_type	colour1	colour2	horizon	permafrost	samp_ph	quality	depth_cm	slope	outcrop	shortnote_1	shortnote_2	status	bucket_num	ship_num	notes
JNL048 09+00W	HG	9/3/2018	09N	544419	6840650	GPS internal	3	1555		soil	114 65 48	150 95 74	B	FALSE		3	45	10	FALSE	rocky		complete	6	JN18-002	
JNL048 09+25W	HG	9/3/2018	09N	544393	6840649	GPS internal	3	1563		soil	194 114 89	131 60 54	B	FALSE		3	25	20	FALSE	rocky		complete	6	JN18-002	
JNL048 09+50W	HG	9/3/2018	09N	544370	6840646	GPS internal	4	1567		soil	136 108 86	114 89 67	B	FALSE		3	35	20	FALSE			complete	6	JN18-002	
JNL048 09+75W	HG	9/3/2018	09N	544344	6840648	GPS internal	4	1574		soil	176 146 110	162 133 89	B	FALSE		3	25	10	FALSE	rocky		complete	6	JN18-002	
JNL048 10+00W	HG	9/3/2018	09N	544317	6840643	GPS internal	3	1585		soil	179 119 82	148 102 68	B	FALSE		3	25	10	FALSE	line end		complete	6	JN18-002	
JNL049 00+00	HG	9/4/2018	09N	545324	6840645	GPS internal	4	1395		soil	105 106 108	135 133 121	B	FALSE		2	55	10	FALSE	line start	rocky	complete	3	JN18-002	
JNL049 00+25W	HG	9/4/2018	09N	545299	6840646	GPS internal	3	1395		soil	140 132 113	106 95 91	mix	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 00+50W	HG	9/4/2018	09N	545273	6840644	GPS internal	4	1392		soil	118 124 98	87 86 68	mix	FALSE		1	35	10	FALSE	rocky	organic	complete	3	JN18-002	
JNL049 00+75W	HG	9/4/2018	09N	545247	6840645	GPS internal	4	1402		soil	84 85 71	133 133 123	B	FALSE		2	35	10	FALSE			complete	3	JN18-002	
JNL049 01+00W	HG	9/4/2018	09N	545222	6840643	GPS internal	4	1396		soil	122 103 107	110 85 80	B	FALSE		1	35	10	FALSE	organic		complete	3	JN18-002	
JNL049 01+25W	HG	9/4/2018	09N	545196	6840640	GPS internal	3	1396		soil	123 111 73	133 124 91	B	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 01+50W	HG	9/4/2018	09N	545172	6840644	GPS internal	4	1402		soil	114 100 71	155 140 117	B	FALSE		2	35	10	FALSE	rocky		complete	3	JN18-002	
JNL049 01+75W	HG	9/4/2018	09N	545149	6840641	GPS internal	4	1404		soil	149 120 125	124 100 98	C	FALSE		1	25	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 02+00W	HG	9/4/2018	09N	545123	6840641	GPS internal	3	1405		soil	92 54 53	118 91 96	mix	FALSE		1	35	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 02+25W	HG	9/4/2018	09N	545098	6840640	GPS internal	3	1404		soil	123 79 94	95 71 93	mix	FALSE		2	25	20	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 02+50W	HG	9/4/2018	09N	545071	6840638	GPS internal	3	1410		soil	132 109 95	156 131 134	B	FALSE		2	45	10	FALSE	rocky		complete	3	JN18-002	
JNL049 02+75W	HG	9/4/2018	09N	545049	6840638	GPS internal	3	1410		soil	102 77 57	149 121 107	B	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 03+00W	HG	9/4/2018	09N	545023	6840634	GPS internal	3	1417		soil	142 126 101	111 98 89	B	FALSE		2	35	10	FALSE	rocky		complete	3	JN18-002	
JNL049 03+25W	HG	9/4/2018	09N	544999	6840637	GPS internal	3	1423		soil	145 116 98	115 99 86	B	FALSE		1	105	10	FALSE	rocky		complete	3	JN18-002	
JNL049 03+50W	HG	9/4/2018	09N	544972	6840634	GPS internal	3	1425		soil	121 109 83	132 104 80	B	FALSE		2	25	10	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL049 03+75W	HG	9/4/2018	09N	544948	6840637	GPS internal	3	1430		soil	149 125 79	164 146 110	B	FALSE		2	45	10	FALSE	rocky		complete	3	JN18-002	
JNL049 04+00W	HG	9/4/2018	09N	544925	6840633	GPS internal	3	1432		soil	106 87 89	147 138 139	B	FALSE		2	45	10	FALSE	clay	rocky	complete	3	JN18-002	
JNL049 04+25W	HG	9/4/2018	09N	544901	6840636	GPS internal	3	1442		soil	132 125 117	103 98 79	B	FALSE		3	45	10	FALSE			complete	3	JN18-002	
JNL049 04+50W	HG	9/4/2018	09N	544873	6840633	GPS internal	3	1441		soil	123 105 91	127 128 132	B	FALSE		2	25	10	FALSE			complete	3	JN18-002	
JNL049 04+75W	HG	9/4/2018	09N	544845	6840632	GPS internal	4	1458		soil	197 164 157	114 74 85	B	FALSE		2	35	10	FALSE	line end		complete	3	JN18-002	
JNL050 00+00	HG	9/5/2018	09N	545333	6840619	map	3	1396		soil	120 105 112	164 137 142	B	FALSE		3	25	10	FALSE	line start	rocky	complete	5	JN18-002	
JNL050 00+25W	HG	9/5/2018	09N	545307	6840621	GPS internal	3	1403		soil	163 161 123	179 167 127	B	FALSE		3	105	10	FALSE			complete	5	JN18-002	
JNL050 00+50W	HG	9/5/2018	09N	545283	6840619	GPS internal	3	1400		soil	156 137 131	174 157 150	B	FALSE		2	25	10	FALSE	sandy		complete	5	JN18-002	
JNL050 00+75W	HG	9/5/2018	09N	545255	6840618	GPS internal	3	1396		soil	131 91 81	115 99 99	mix	FALSE		3	35	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL050 01+00W	HG	9/5/2018	09N	545229	6840616	GPS internal	3	1400		soil	124 108 85	151 135 102	mix	FALSE		1	35	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL050 01+25W	HG	9/5/2018	09N	545205	6840614	GPS internal	3	1407		soil	131 120 114	149 145 120	B	FALSE		2	35	10	FALSE	rocky		complete	5	JN18-002	
JNL050 01+50W	HG	9/5/2018	09N	545182	6840617	GPS internal	4	1407		soil	169 158 154	181 170 166	B	FALSE		1	45	10	FALSE	swampy	rocky	complete	5	JN18-002	
JNL050 01+75W	HG	9/5/2018	09N	545156	6840616	GPS internal	3	1411		soil	175 142 127	108 84 60	mix	FALSE		2	35	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL050 02+00W	HG	9/5/2018	09N	545131	6840614	GPS internal	3	1411		soil	115 65 66	114 84 86	B	FALSE		2	45	10	FALSE	rocky		complete	5	JN18-002	
JNL050 02+25W	HG	9/5/2018	09N	545109	6840612	GPS internal	3	1407		soil	122 104 66	175 163 141	B	FALSE		2	45	10	FALSE			complete	5	JN18-002	
JNL050 02+50W	HG	9/5/2018	09N	545085	6840612	GPS internal	3	1410		soil	145 95 70	130 77 61	mix	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	5	JN18-002	
JNL050 02+75W	HG	9/5/2018	09N	545055	6840608	GPS internal	3	1415		soil	105 92 99	138 125 134	B	FALSE		3	45	10	FALSE			complete	5	JN18-002	
JNL050 03+00W	HG	9/5/2018	09N	545031	6840609	GPS internal	4	1417		soil	213 192 161	155 124 93	B	FALSE		2	55	10	FALSE	sandy clay		complete	6	JN18-002	
JNL050 03+25W	HG	9/5/2018	09N	545007	6840610	GPS internal	3	1426		soil	128 112 123	105 102 133	B	FALSE		2	10	10	FALSE	organic	rocky	complete	6	JN18-002	
JNL050 03+50W	HG	9/5/2018	09N	544979	6840613	GPS internal	4	1441		soil	169 145 145	129 101 98	B	FALSE		2	45	10	FALSE	rocky		complete	6	JN18-002	
JNL050 03+75W	HG	9/5/2018	09N	544957	6840607	GPS internal	3	1438		soil	115 106 75	169 154 135	mix	FALSE		2	45	10	FALSE	mixed B/C horizon	rocky	complete	6	JN18-002	
JNL050 04+00W	HG	9/5/2018	09N	544929	6840604	GPS internal	3	1438		soil	95 89 67	94 84 57	C	FALSE		1	35	10	FALSE	mixed B/C horizon	rocky	complete	6	JN18-002	
JNL050 04+25W	HG	9/5/2018	09N	544906	6840603	GPS internal	3	1444		soil	126 120 108	101 88 82	B	FALSE		1	10	20	FALSE	rocky	organic	complete	6	JN18-002	
JNL050 04+50W	HG	9/5/2018	09N	544883	6840603	GPS internal	3	1461		soil	194 161 118	118 90 66	mix	FALSE		1	35	20	FALSE	rocky	mixed B/C horizon	complete	6	JN18-002	
JNL050 04+75W	HG	9/5/2018	09N	544857	6840604	GPS internal	3	1458		soil	144 99 78	98 64 52	B	FALSE		2	35	20	FALSE	rocky		complete	6	JN18-002	
JNL050 05+00W	HG	9/5/2018	09N	544827	6840598	GPS internal	3	1457		soil	175 169 155	140 124 90	C	FALSE		2	25	30	FALSE	mixed B/C horizon	rocky	complete	6	JN18-002	
JNL050 05+25W	HG	9/5/2018	09N	544807	6840602	GPS internal	3	1467		soil	106 86 79	95 83 61	mix	FALSE		1	35	20	FALSE	rocky	organic	complete	6	JN18-002	
JNL050 05+50W	HG	9/5/2018	09N	544782	6840602	GPS internal	3	1472		soil	120 88 50	180 152 115	B	FALSE		2	25	20	FALSE	rocky		complete	6	JN18-002	
JNL050 05+75W	HG	9/5/2018	09N	544756	6840599	GPS internal	3	1484		soil	105 93 71	101 89 63	B	FALSE		2	105	10	FALSE	rocky		complete	6	JN18-002	
JNL050 06+00W	HG	9/5/2018	09N	544731	6840597	GPS internal	3	1488		soil	127 110 90	151 117 80	mix	FALSE		2	25	20	FALSE	sandy clay	rocky	complete	6	JN18-002	
JNL050 06+25W	HG	9/5/2018	09N	544707	6840598	GPS internal	3	1494		soil	129 109 85	128 106 82	mix	FALSE		1	25	20	FALSE	mixed B/C horizon	rocky	complete	6	JN18-002	
JNL050 06+50W	HG	9/5/2018	09N	544681	6840598	GPS internal	3	1499		soil	125 107 95	104 94 93	B	FALSE		3	35	20	FALSE			complete	6	JN18-002	
JNL050 06+75W	HG	9/5/2018	09N	544656	6840595	GPS internal	4	1499		soil	121 79 91	102 74 86	B	FALSE		1	35	20	FALSE	rocky		complete	6	JN18-002	
JNL050 07+00W	HG	9/5/2018	09N	544631	6840597	GPS internal	4	1504		soil	152 139 86	131 113 65	B	FALSE		1	45	20	FALSE	rocky		complete	6	JN18-002	
JNL050 07+25W	HG	9/5/2018	09N	544607	6840598	GPS internal	3	1512		soil	161 132 100	194 165 131	C	FALSE		1	25	20	FALSE	rocky		complete	6	JN18-002	
JNL050 07+50W	HG	9/5/2018	09N	544580	6840598	GPS internal	3	1517		soil	150 123 102	188 163 141	mix	FALSE		1	105	20	FALSE	rocky	organic	complete	6	JN18-002	
JNL050 07+75W	HG	9/5/2018	09N	544557	6840596	GPS internal	4	1516		soil	161 129 108	141 109 68	B	FALSE		3	25	20	FALSE	rocky		complete	6	JN18-002	
JNL050 08+00W	HG	9/5/2018	09N	544531	6840595	GPS internal	3	1522		soil	125 100 59	142 122 98	B	FALSE		1	105	10	FALSE	organic		complete	6	JN18-002	
JNL050 08+25W	HG	9/5/2018	09N	544507	6840591	GPS internal	3	1526		soil	140 134 98	104 100 73	B	FALSE		1	25	20	FALSE	rocky		complete	6	JN18-002	
JNL050 08+50W	HG	9/5/2018	09N	544482	6840590	GPS internal	3	1530		soil	132 85 67	105 81 77	B	FALSE		2	25	20	FALSE			complete	6	JN18-002	
JNL050 08+75W	HG	9/5/2018	09N	544456	6840591	GPS internal	3	1542		soil	157 120 112	137 103 94	B	FALSE		2	25	20	FALSE	rocky		complete	6	JN18-002	
JNL050 09+00W	HG	9/5/2018	09N	544432	6840587	GPS internal	3	1547		soil	122 91 73	121 103 91	B	FALSE		2	35	20	FALSE	rocky		complete	6	JN18-002	
JNL050 09+25W	HG	9/5/2018	09N	544405	6840588	GPS internal	3	1560		soil	145 127 107	128 102 69	B	FALSE		3	45	20	FALSE			complete	6	JN18-002	
JNL050 09+50W	HG	9/5/2018	09N	544381	6840589	GPS internal	3	1567		soil	155 125 91	162 129 96	B	FALSE		3	45	20	FALSE			complete	6	JN18-002	
JNL050 09+75W	HG	9/5/2018	09N	544357	6840589	GPS internal	3	1576		soil	138 107 63	137 117 84	B	FALSE		2	45	20	FALSE	rocky		complete	6	JN18-002	
JNL050 10+00W	HG	9/5/2018	09N	544331	6840589	GPS internal	3	1581		soil	147 132 111	107 86 65	B	FALSE		3	35	10	FALSE	line end	rocky	complete	6	JN18-002	
JNL051 00+00	HG	9/7/2018	09N	545321	6840555	GPS internal	3	1408		soil	145 132 152	108 98 122	B	FALSE		1	45	10	FALSE	line start	clay	complete	1	JN18-002	
JNL051 00+25W	HG	9/7/2018	09N	545292	6840551	GPS internal	4	1409		soil	148 145 138	149 151 140	B	FALSE		1	45	10	FALSE	clay	organic	complete	1	JN18-002	
JNL051 00+50W	HG	9/7/2018	09N	545269	6840550	GPS internal	3	1413		soil	111 89 68	112 98 87	B	FALSE		2	35	10	FALSE	rocky		complete	1	JN18-002	
JNL051 00+75W	HG	9/7/2018	09N	545245	6840550	GPS internal	3	1413		soil	85 79 55	115 102 67	B	FALSE		2	45	10	FALSE	rocky		complete	1	JN18-002	
JNL051 01+00W	HG	9/7/2018	09N	545220	6840546	GPS internal	3	1412		soil	141 123 101	124 103 84	B	FALSE		2	45	10	FALSE	clay	rocky	complete	1	JN18-002	
JNL051 01+25W	HG	9/7/2018	09N	545195	6840544	GPS internal	3	1414		soil	117 87 87	149 125 125	B	FALSE		2	55	10	FALSE	clay		complete	1	JN18-002	
JNL051 01+50W	HG	9/7/2018	09N	545165	6840543	GPS internal	4	1414		soil	170 129 125	136 102 103	B	FALSE		3	45	10	FALSE			complete	1	JN18-002	
JNL051 01+75W	HG	9/7/2018	09N	545148	6840547	GPS internal	3	1422		soil	150 144 122	149 125 91	B	FALSE		3	35	10	FALSE			complete	1	JN18-002	
JNL051 02+00W	HG	9/7/2018	09N	545119	6840545	GPS internal	3	1428		soil	121 91 99	129 105 103	B	FALSE		2	45	10	FALSE	rocky		complete	1	JN18-002	
JNL051 02+25W	HG	9/7/2018	09N	545095	6840543	GPS internal	3	1427		soil	108 97 77	97 86 66	B	FALSE		2	105	20	FALSE	rocky		complete	1	JN18-002	
JNL051 02+50W	HG	9/7/2018	09N	545069	6840542	GPS internal	3	1435		soil	139 128 108	131 124 105	B	FALSE		2	55	10	FALSE	clay	rocky	complete	1	JN18-002	
JNL051 02+75W	HG	9/7/2018	09N	545046	6840543	GPS internal	3	1431		soil	137 115 101	116 97 90	B	FALSE		3	55	10	FALSE	clay		complete	1	JN18-002	
JNL051 03+00W	HG	9/7/2018	09N	545020	6840540	GPS internal	3	1436		soil	146 129 111	128 116 100	B	FALSE		2	35	20	FALSE	clay		complete	1	JN18-002	
JNL051 03+25W	HG	9/7/2018	09N	544994	6840538	map	3	1437		soil	140 120 95	140 125 104	B	FALSE		3	45	20	FALSE	clay		complete	1	JN18-002	
JNL051 03+50W	HG	9/7/2018	09N	544972	6840540	GPS internal	3	1442		soil	135 118 100	105 98 90	B	FALSE		3	45	20	FALSE			complete	1	JN18-002	
JNL051 03+75W	HG	9/7/2018	09N	544944	6840539	GPS internal	3	1454		soil	114 105 88	134 121 105	B	FALSE		2	45	20	FALSE	clay		complete	1	JN18-002	
JNL051 04+00W	HG	9/7/2018	09N	544917	6840534	GPS internal	3	1464		soil	157 132 128	125 95 87	B	FALSE		3	35	20	FALSE	crossed creek		complete	1	JN18-002	
JNL051 04+25W	HG	9/7/2018	09N	544888	6840533	GPS internal	3	1469		soil	109 101 82	107 92 73	B	FALSE		2	45	20	FALSE	organic		complete	1	JN18-002	
JNL051 04+50W	HG	9/7/2018	09N	544873	6840534	GPS internal	3	1469		soil	141 119 121	119 103 104	B	FALSE		3	45	20	FALSE			complete	1	JN18-002	
JNL051 04+75W	HG	9/7/2018	09N	544846	6840534	GPS internal	4	1471		soil	132 104 103	145 113 98	B	FALSE		3	35	20	FALSE	rocky		complete	1	JN18-002	
JNL051 05+00W	HG	9/7/2018	09N	544821	6840531	GPS internal	3	1482		soil	128 93 91	150 124 125	B	FALSE		2	45	20	FALSE	rocky		complete	1	JN18-002	
JNL051 05+25W	HG	9/7/2018	09N	544798	6840532	GPS internal	3	1491		soil	137 101 89	140 110 108	B	FALSE		2	45	20	FALSE	rocky		complete	1	JN18-002	
JNL051 05+50W	HG	9/7/2018	09N	544770	6840529	GPS internal	3	1493		soil	146 131 108	140 129 109	B	FALSE		2	45	20	FALSE	rocky		complete	1	JN18-002	
JNL051 05+75W	HG	9/7/2018	09N	544746	6840527	GPS internal	3	1499		soil	128 120 97	150 133 115	B	FALSE		2	35	20	FALSE	rocky		complete	1	JN18-002	
JNL051 06+00W	HG	9/7/2018	09N	544722	6840530	GPS internal	3	1507		soil	162 145 117	137 116 87	B	FALSE		3	45	20	FALSE	mixed B/C horizon		complete	1	JN18-002	
JNL051 06+25W	HG	9/7/2018	09N	544696	6840527	GPS internal	3	1511		soil	145 112 81	149 125 99	mix	FALSE		2	45	20	FALSE	mixed B/C horizon	rocky	complete	1	JN18-002	

Appendix 4 - Soil Sample Data

samp_num	sampler	sampled_time	utm_zone	e_utm	n_utm	loc_method	loc_acc_m	elev_m	elev_method	d_type	colour1	colour2	horizon	permafrost	samp_ph	quality	depth_cm	slope	outcrop	shortnote_1	shortnote_2	status	bucket_num	ship_num	notes
JNL051 06+50W	HG	9/7/2018	09N	544672	6840529	GPS internal	3	1521		soil	135 121 94	107 89 65	mix	FALSE		2	35	20	FALSE	mixed B/C horizon	rocky	complete	1	JN18-002	duplicate sampled IDs received at lab for JNL051 06+75W; results may be allocated to incorrect sample
JNL051 06+75W	HG	9/7/2018	09N	544643	6840525	GPS internal	3	1523		soil	147 108 93	158 122 110	C	FALSE		2	35	30	FALSE	mixed B/C horizon	talus fines	complete	1	JN18-002	duplicate sampled IDs received at lab for JNL051 06+75W; results may be allocated to incorrect sample
JNL051 07+00W	HG	9/7/2018	09N	544618	6840527	GPS internal	3	1531		soil	175 136 105	167 129 92	B	FALSE		2	35	20	FALSE	mixed B/C horizon	rocky	complete	1	JN18-002	
JNL051 07+25W	HG	9/7/2018	09N	544591	6840521	GPS internal	3	1533		soil	143 119 91	136 115 86	mix	FALSE		2	55	20	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL051 07+50W	HG	9/7/2018	09N	544570	6840521	GPS internal	3	1534		soil	116 103 61	114 102 78	mix	FALSE		1	55	20	FALSE	mixed B/C horizon	talus fines	complete	3	JN18-002	
JNL051 07+75W	HG	9/7/2018	09N	544541	6840521	GPS internal	3	1539		soil			B	FALSE		3	105	10	FALSE			no sample	3	JN18-002	
JNL051 08+00W	HG	9/7/2018	09N	544518	6840520	GPS internal	3	1544		soil	132 121 91	125 106 66	B	FALSE		2	45	20	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL051 08+25W	HG	9/7/2018	09N	544493	6840517	GPS internal	3	1543		soil	152 118 90	148 140 121	mix	FALSE		1	45	20	FALSE	mixed B/C horizon	rocky	complete	3	JN18-002	
JNL051 08+50W	HG	9/7/2018	09N	544471	6840514	GPS internal	3	1543		soil	150 104 81	155 103 79	B	FALSE		2	35	20	FALSE	talus		no sample	3	JN18-002	
JNL051 08+75W	HG	9/7/2018	09N	544443	6840515	GPS internal	3	1550		soil	137 100 74	135 94 76	B	FALSE		1	35	20	FALSE	organic	talus	complete	3	JN18-002	
JNL051 09+00W	HG	9/7/2018	09N	544419	6840511	GPS internal	3	1558		soil	152 128 100	153 129 105	B	FALSE		2	35	20	FALSE			complete	3	JN18-002	
JNL051 09+25W	HG	9/7/2018	09N	544396	6840514	GPS internal	3	1569		soil	136 109 90	169 142 125	B	FALSE		2	35	20	FALSE	rocky		complete	3	JN18-002	
JNL051 09+50W	HG	9/7/2018	09N	544367	6840512	GPS internal	3	1574		soil	139 112 82	134 110 76	B	FALSE		2	35	20	FALSE	swampy		complete	3	JN18-002	
JNL051 09+75W	HG	9/7/2018	09N	544344	6840511	GPS internal	4	1590		soil	141 104 78	176 141 111	B	FALSE		1	35	20	FALSE	rocky	organic	complete	3	JN18-002	
JNL051 10+00W	HG	9/7/2018	09N	544317	6840507	GPS internal	3	1587		soil	165 138 108	130 99 79	B	FALSE		3	35	10	FALSE	line end		complete	3	JN18-002	
JNL052 00+00	HG	9/7/2018	09N	544334	6840428	GPS internal	3	1624		soil	117 111 77	106 78 64	B	FALSE		1	35	30	FALSE	line start	talus fines	complete	2	JN18-002	
JNL052 00+25E	HG	9/7/2018	09N	544357	6840424	GPS internal	3	1609		soil	186 168 144	121 103 81	B	FALSE		2	25	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 00+50E	HG	9/7/2018	09N	544386	6840420	GPS internal	3	1604		soil	148 123 92	145 119 84	B	FALSE		3	105	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 00+75E	HG	9/7/2018	09N	544407	6840417	GPS internal	3	1603		soil	152 128 116	137 115 102	C	FALSE		3	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 01+00E	HG	9/7/2018	09N	544431	6840419	GPS internal	3	1601		soil	145 96 82	142 92 81	C	FALSE		3	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 01+25E	HG	9/7/2018	09N	544457	6840416	GPS internal	3	1601		soil	174 108 84	136 76 42	C	FALSE		3	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 01+50E	HG	9/7/2018	09N	544480	6840419	GPS internal	3	1591		soil	187 165 144	170 160 150	C	FALSE		1	25	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 01+75E	HG	9/7/2018	09N	544508	6840419	GPS internal	3	1589		soil	120 111 94	120 118 103	C	FALSE		1	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 02+00E	HG	9/7/2018	09N	544532	6840423	GPS internal	3	1585		soil	131 112 114	146 120 119	C	FALSE		2	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 02+25E	HG	9/7/2018	09N	544557	6840422	GPS internal	3	1580		soil	153 123 89	143 114 80	C	FALSE		2	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 02+50E	HG	9/7/2018	09N	544581	6840422	GPS internal	3	1577		soil	123 105 95	139 122 115	C	FALSE		1	15	40	FALSE	talus fines		complete	2	JN18-002	
JNL052 02+75E	HG	9/7/2018	09N	544604	6840421	GPS internal	3	1573		soil	167 134 103	159 138 117	mix	FALSE		1	105	10	FALSE	talus fines		complete	2	JN18-002	
JNL052 03+00E	HG	9/7/2018	09N	544632	6840423	GPS internal	3	1562		soil	161 131 97	156 130 95	C	FALSE		2	25	40	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 03+25E	HG	9/7/2018	09N	544657	6840428	GPS internal	3	1553		soil	145 126 83	138 125 93	C	FALSE		2	25	30	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 03+50E	HG	9/7/2018	09N	544684	6840431	GPS internal	3	1544		soil	139 119 69	167 144 102	C	FALSE		2	15	30	FALSE	rocky		complete	2	JN18-002	
JNL052 03+75E	HG	9/7/2018	09N	544706	6840429	GPS internal	3	1533		soil	166 134 111	161 138 120	C	FALSE		3	25	30	FALSE	rocky	talus fines	complete	2	JN18-002	
JNL052 04+00E	HG	9/7/2018	09N	544730	6840428	GPS internal	3	1527		soil	124 113 83	139 127 85	B	FALSE		3	25	30	FALSE			complete	2	JN18-002	
JNL052 04+25E	HG	9/8/2018	09N	544756	6840429	GPS internal	3	1517		soil	186 153 108	129 104 64	mix	FALSE		2	35	20	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 04+50E	HG	9/8/2018	09N	544781	6840432	GPS internal	3	1511		soil	156 139 109	114 102 86	B	FALSE		3	35	20	FALSE			complete	2	JN18-002	
JNL052 04+75E	HG	9/8/2018	09N	544806	6840433	map	3	1502		soil	147 128 95	92 81 61	B	FALSE		2	45	20	FALSE	rocky		complete	2	JN18-002	
JNL052 05+00E	HG	9/8/2018	09N	544834	6840435	GPS internal	3	1495		soil	149 120 80	142 122 98	mix	FALSE		1	45	20	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 05+25E	HG	9/8/2018	09N	544857	6840434	GPS internal	3	1490		soil	136 121 88	135 121 86	B	FALSE		3	45	20	FALSE			complete	2	JN18-002	
JNL052 05+50E	HG	9/8/2018	09N	544881	6840434	GPS internal	3	1490		soil	110 85 63	166 144 130	B	FALSE		3	35	20	FALSE			complete	2	JN18-002	
JNL052 05+75E	HG	9/8/2018	09N	544909	6840438	GPS internal	3	1480		soil	123 116 90	115 105 80	B	FALSE		3	35	20	FALSE			complete	2	JN18-002	
JNL052 06+00E	HG	9/8/2018	09N	544931	6840437	GPS internal	3	1476		soil	141 122 105	162 150 128	B	FALSE		2	35	10	FALSE			complete	2	JN18-002	
JNL052 06+25E	HG	9/8/2018	09N	544957	6840438	GPS internal	3	1471		soil	144 127 111	144 128 112	B	FALSE		2	45	20	FALSE	rocky		complete	2	JN18-002	
JNL052 06+50E	HG	9/8/2018	09N	544981	6840441	GPS internal	3	1467		soil	142 132 105	129 122 93	B	FALSE		2	25	20	FALSE	rocky		complete	2	JN18-002	
JNL052 06+75E	HG	9/8/2018	09N	545006	6840438	GPS internal	3	1460		soil	105 94 72	168 161 145	B	FALSE		2	35	20	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 07+00E	HG	9/8/2018	09N	545034	6840444	GPS internal	3	1452		soil	135 121 95	142 134 111	B	FALSE		2	45	20	FALSE	clay	rocky	complete	2	JN18-002	
JNL052 07+25E	HG	9/8/2018	09N	545057	6840444	GPS internal	3	1448		soil	121 108 74	112 105 76	C	FALSE		2	35	20	FALSE	mixed B/C horizon	rocky	complete	2	JN18-002	
JNL052 07+50E	HG	9/8/2018	09N	545082	6840447	GPS internal	3	1444		soil			B	FALSE		3	105	10	FALSE	organic	rocky	no sample	2	JN18-002	
JNL052 07+75E	HG	9/8/2018	09N	545105	6840445	GPS internal	4	1436		soil	152 140 126	147 137 127	B	FALSE		1	55	10	FALSE	clay	rocky	complete	2	JN18-002	
JNL052 08+00E	HG	9/8/2018	09N	545133	6840448	GPS internal	4	1435		soil	140 114 117	120 98 100	B	FALSE		3	35	10	FALSE			complete	2	JN18-002	
JNL052 08+25E	HG	9/8/2018	09N	545157	6840444	GPS internal	3	1428		soil	114 94 70	124 109 90	B	FALSE		3	45	10	FALSE	rocky		complete	2	JN18-002	
JNL052 08+50E	HG	9/8/2018	09N	545182	6840448	GPS internal	3	1428		soil	158 135 93	145 121 77	B	FALSE		3	45	10	FALSE			complete	2	JN18-002	
JNL052 08+75E	HG	9/8/2018	09N	545206	6840450	GPS internal	3	1433		soil	70 51 53	108 84 80	B	FALSE		1	35	10	FALSE	organic		complete	2	JN18-002	
JNL052 09+00E	HG	9/8/2018	09N	545235	6840448	GPS internal	4	1429		soil	168 166 145	155 158 129	B	FALSE		1	35	10	FALSE	line end	sandy clay	complete	2	JN18-002	
JNL053 00+00	HG	9/6/2018	09N	549074	6837234	GPS internal	3	1532		soil	111 84 55	151 133 93	B	FALSE		2	85	40	FALSE	line start	rocky	complete	4	JN18-002	
JNL053 00+25W	HG	9/6/2018	09N	549048	6837233	GPS internal	3	1529		soil	140 116 116	154 140 139	B	FALSE		1	85	40	FALSE	rocky		complete	4	JN18-002	
JNL053 00+50W	HG	9/6/2018	09N	549023	6837233	map				soil	126 106 79	122 99 81	B	FALSE		3	65	40	FALSE			complete	4	JN18-002	
JNL053 00+75W	HG	9/6/2018	09N	548998	6837234	GPS internal	3	1526		soil	107 96 68	122 97 75	B	FALSE		3	65	40	FALSE			complete	4	JN18-002	
JNL053 01+00W	HG	9/6/2018	09N	548977	6837229	map	3	1515		soil	177 144 127	102 76 75	B	FALSE		1	85	40	FALSE	organic	rocky	complete	4	JN18-002	

Appendix 4 - Till Sample Data

samp_num	sampler	sampled_time	utm_zone	e_utm	n_utm	loc_method	loc_acc_m	elev_m	t_type	exposure	depth_cm	stratification	consolidation	jointing	fissility	oxidation	matrix_mode	matrix_pct	matrix_colour	matrix_texture	clast_angularity	clast_striae	drainage	veg_type	status	bucket_num	ship_num
HGJNT001	HG	9/6/2018	09N	548997	6837107	gps			till	forest												FALSE			complete	6	JN18-003
HGJNT002	HG	9/6/2018	09N	549013	6837200	gps			till	forest												FALSE			complete	7	JN18-003
MMJNT002	MM	9/10/2018	09N	538839	6846075	gps	9	1122	till	forest	85	none	moderate	none	none	1	clay silt	80	greenish-grey	clay silt	subrounded	FALSE	moderate	coniferous	complete	1	JN18-003
MMJNT003	MM	9/10/2018	09N	538733	6845907	gps	8	1120	till	stream cut	35	none	moderate	none	none	1	clay silt	85	grey	clay silt	subrounded	FALSE	poor	bog	complete	2	JN18-003
MMJNT004	MM	9/10/2018	09N	538602	6845751	gps	3	1125	till	forest	35	none	moderate	none	none	1	clay silt	70	beige-grey	clay silt	subangular	FALSE	moderate	coniferous	complete	3	JN18-003
MMJNT005	MM	9/10/2018	09N	538482	6845582	gps	4	1144	till	forest	35	none	moderate	none	none	1	clay-sand loam	70	beige-grey	clay-sand loam	subangular	FALSE	good	coniferous	complete	4	JN18-003
MMJNT006	MM	9/10/2018	09N	538366	6845429	gps	5	1160	till	forest	65	none	moderate	none	none	1	clay-sand loam	80	brown	clay-sand loam	subrounded	FALSE	good	coniferous	complete	5	JN18-003

Appendix 4 - 2018 QAQC Samples

samp_num	qaqc_class	ref_material	bucket_num	ship_num	comp_source	username	prev_samp	ref_table	samp_type	samp_class
MMJNR150B	blank	marble aggregate	15	JN18-001		MM	MMJNR150	rock	rock	blank
MMJNR150S	standard	PM469	15	JN18-001		MM	MMJNR150	rock	pulp	standard
MMJNR151B	blank	marble aggregate	15	JN18-001		MM	MMJNR151	rock	rock	blank
MMJNR152B	blank	marble aggregate	15	JN18-001		MM	MMJNR152	rock	rock	blank
MMJNR153B	blank	marble aggregate	15	JN18-001		MM	MMJNR153	rock	rock	blank
MMJNR154S	standard	PM933	15	JN18-001		MM	MMJNR154	rock	pulp	standard
MMJNR165B	blank	marble aggregate	16	JN18-001		MM	MMJNR165	rock	rock	blank
MMJNR169S	standard	PM469	16	JN18-001		MM	MMJNR169	rock	pulp	standard
MMJNR170B	blank	marble aggregate	16	JN18-001		MM	MMJNR170	rock	rock	blank
MMJNR173S	standard	PM933	16	JN18-001		MM	MMJNR173	rock	pulp	standard
MMJNR180B	blank	marble aggregate	16	JN18-001		MM	MMJNR180	rock	rock	blank
MMJNR181S	standard	PM933	16	JN18-001		MM	MMJNR181	rock	pulp	standard
MMJNR188B	blank	marble aggregate	16	JN18-001		MM	MMJNR188	rock	rock	blank
MMJNR190S	standard	PM469	16	JN18-001		MM	MMJNR190	rock	pulp	standard
MMJNR193B	blank	marble aggregate	16	JN18-001		MM	MMJNR193	rock	rock	blank
MMJNR195S	standard	PM469	16	JN18-001		MM	MMJNR195	rock	pulp	standard

Appendix V

Analytic Certificates

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

Finalized Date: 3-NOV-2018
Account: TELOEX

CERTIFICATE WH18226399

Project: 1008072-TELOEX-R1
P.O. No.: JN18-001
This report is for 75 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-SEP-2018.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
BAG-01	Bulk Master for Storage
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-21	Pulverize entire sample
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
HOM-01m	Homogenize sample - mechanical

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Ag-OG46	Ore Grade Ag - Aqua Regia	

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
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CRANBROOK BC V1C 2R7

Finalized Date: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	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
KBJNR001		3.13	0.24	0.03	4440	2.24	<10	<10	<0.05	0.20	0.03	0.01	2.17	0.9	16	0.07
MMJNR145		6.60	0.02	0.29	23.5	<0.02	<10	20	0.10	0.08	0.02	0.03	26.8	4.2	10	0.30
MMJNR146		6.70	0.02	0.28	24.4	<0.02	<10	10	0.13	0.07	0.03	0.04	24.3	4.9	9	0.31
MMJNR147		5.89	0.01	0.32	22.3	<0.02	<10	10	0.10	0.06	0.02	0.03	24.3	5.0	10	0.30
MMJNR148		9.86	0.02	0.22	366	<0.02	<10	10	0.08	0.04	0.01	0.03	14.65	3.7	11	0.23
MMJNR149		5.86	0.04	0.28	132.5	<0.02	<10	20	0.10	0.04	0.01	0.02	16.40	3.0	12	0.27
MMJNR150		6.11	0.12	0.15	1530	0.70	<10	10	0.06	0.43	0.02	0.03	12.85	3.0	14	0.19
MMJNR150S		0.20	0.44	1.42	1145	0.88	20	80	0.17	22.2	3.93	0.65	15.15	45.0	22	0.69
MMJNR150B		7.87	<0.01	0.02	4.3	<0.02	<10	10	<0.05	0.03	>25.0	0.01	1.04	0.4	<1	<0.05
MMJNR151		4.83	11.00	0.08	>10000	>25.0	<10	20	<0.05	6.83	0.05	0.03	6.86	2.7	16	0.16
MMJNR151B		5.31	<0.01	0.02	41.3	<0.02	<10	10	<0.05	0.02	>25.0	0.02	0.83	1.7	1	0.09
MMJNR152		4.83	0.36	0.04	>10000	0.67	<10	10	<0.05	2.29	0.03	0.02	2.67	1.5	23	0.09
MMJNR152B		8.88	<0.01	0.02	15.8	<0.02	<10	10	<0.05	0.01	>25.0	0.01	0.85	0.4	<1	<0.05
MMJNR153		4.89	0.52	0.06	2170	0.52	<10	10	<0.05	2.36	0.07	0.02	4.82	1.9	21	0.12
MMJNR153B		7.12	<0.01	0.02	15.8	<0.02	<10	10	<0.05	0.05	>25.0	0.01	0.94	0.3	<1	<0.05
MMJNR154		6.82	0.02	0.34	83.5	0.02	<10	20	0.12	0.15	0.06	0.03	20.5	4.2	21	0.24
MMJNR154S		0.21	>100	1.81	13.5	9.15	<10	180	0.15	0.08	0.97	0.20	16.45	8.8	23	0.81
MMJNR155		5.58	0.08	0.27	48.6	<0.02	<10	10	0.11	0.21	0.03	0.06	22.5	4.5	16	0.22
MMJNR156		6.56	0.04	0.45	83.2	<0.02	<10	20	0.15	0.14	0.04	0.05	31.8	6.8	14	0.31
MMJNR157		4.98	0.03	1.11	36.6	<0.02	<10	30	0.24	0.20	0.09	0.08	34.4	8.6	25	0.48
MMJNR158		5.53	0.01	0.31	53.2	<0.02	<10	20	0.10	0.11	0.02	0.03	23.4	4.3	12	0.26
MMJNR159		4.77	0.02	0.20	83.0	<0.02	<10	10	0.08	0.07	0.02	0.02	16.05	2.1	14	0.29
MMJNR160		5.42	1.35	0.12	>10000	7.64	<10	20	<0.05	8.93	0.01	0.06	5.95	4.7	19	0.17
MMJNR161		5.89	0.04	0.31	252	0.03	<10	20	0.17	0.21	0.06	0.08	30.9	6.0	15	0.40
MMJNR162		6.41	0.10	0.57	332	0.28	<10	40	0.45	0.34	0.09	0.19	50.8	15.1	18	0.67
MMJNR163		6.83	0.08	1.36	237	0.23	<10	40	0.46	0.27	0.10	0.15	44.8	17.3	29	0.61
MMJNR164		6.26	0.08	1.78	195.0	0.05	<10	40	0.49	0.39	0.05	0.15	68.1	21.3	32	0.85
MMJNR165		7.59	0.09	1.82	154.5	0.07	<10	50	0.43	0.37	0.04	0.12	65.0	17.7	31	0.77
MMJNR165B		7.33	<0.01	0.03	2.1	<0.02	<10	10	<0.05	0.01	>25.0	0.01	0.95	0.5	1	<0.05
MMJNR166		6.90	0.13	0.61	245	0.04	<10	40	0.32	0.52	0.10	0.10	52.1	10.9	19	0.80
MMJNR167		5.68	0.07	0.34	185.5	0.19	<10	20	0.14	0.20	0.02	0.05	26.8	4.7	14	0.37
MMJNR168		5.98	0.03	0.27	72.0	<0.02	<10	20	0.13	0.09	0.02	0.05	32.1	4.8	14	0.27
MMJNR169		6.59	0.02	0.31	56.2	<0.02	<10	20	0.13	0.07	0.01	0.03	30.5	4.4	14	0.30
MMJNR169S		0.21	0.44	1.41	1120	0.92	20	80	0.13	21.3	3.89	0.68	14.55	43.6	22	0.67
MMJNR170		7.11	0.12	0.34	174.5	0.32	<10	20	0.32	0.25	0.04	0.10	31.7	6.6	13	0.44
MMJNR170B		9.88	<0.01	0.02	1.4	<0.02	<10	10	<0.05	0.49	>25.0	0.01	0.95	0.4	<1	<0.05
MMJNR171		5.20	0.05	0.52	76.7	0.02	<10	40	0.37	0.37	0.11	0.08	62.6	13.8	16	0.80
MMJNR172		5.45	0.03	0.60	35.9	<0.02	<10	30	0.29	0.25	0.21	0.05	46.6	12.5	16	0.64
MMJNR173		5.35	0.04	0.71	69.0	0.09	<10	30	0.17	0.22	0.03	0.04	39.3	6.8	16	0.49
MMJNR173S		0.20	>100	1.85	10.7	13.00	<10	180	0.15	0.10	1.00	0.20	17.20	9.0	23	0.84

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method Analyte Units LOD	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
KBJNR001		1.4	1.03	0.16	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.4	0.01	64	0.67	<0.01	<0.05
MMJNR145		7.1	1.31	0.88	<0.05	0.04	<0.01	0.007	0.07	13.1	3.1	0.03	245	0.48	0.01	<0.05
MMJNR146		6.0	1.26	0.78	<0.05	0.05	<0.01	0.005	0.06	12.2	3.3	0.03	201	0.43	<0.01	<0.05
MMJNR147		5.9	1.36	0.82	<0.05	0.05	<0.01	0.006	0.07	12.2	3.8	0.03	244	0.36	0.01	<0.05
MMJNR148		6.8	1.18	0.64	<0.05	0.05	<0.01	<0.005	0.06	7.1	1.1	0.01	236	0.31	0.01	<0.05
MMJNR149		9.9	1.01	0.80	<0.05	0.06	<0.01	0.005	0.08	7.5	0.9	0.01	172	0.78	0.01	<0.05
MMJNR150		4.8	1.00	0.42	<0.05	0.04	<0.01	<0.005	0.04	5.9	1.2	0.01	136	0.52	0.01	<0.05
MMJNR150S		136.0	3.11	4.38	0.09	0.17	0.02	0.106	0.13	9.4	8.8	0.45	682	6.39	0.13	0.26
MMJNR150B		1.6	0.06	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	1.1	0.5	0.57	92	0.07	<0.01	0.24
MMJNR151		2.9	4.81	0.31	<0.05	0.04	0.05	0.013	0.03	3.6	0.7	0.01	54	1.09	<0.01	<0.05
MMJNR151B		2.4	0.11	0.08	<0.05	0.02	<0.01	<0.005	0.01	1.0	0.7	0.85	96	<0.05	<0.01	0.21
MMJNR152		4.6	1.79	0.17	<0.05	<0.02	<0.01	0.005	0.01	1.4	0.3	<0.01	62	0.87	<0.01	<0.05
MMJNR152B		1.0	0.06	0.05	0.06	<0.02	<0.01	<0.005	<0.01	1.0	0.6	0.71	98	<0.05	<0.01	<0.05
MMJNR153		9.8	1.34	0.23	<0.05	0.02	0.01	<0.005	0.03	2.3	0.5	<0.01	63	0.65	<0.01	<0.05
MMJNR153B		1.4	0.06	0.05	<0.05	<0.02	<0.01	<0.005	<0.01	1.1	0.5	0.65	95	<0.05	<0.01	0.18
MMJNR154		8.3	1.31	1.15	<0.05	0.02	<0.01	0.007	0.06	10.2	7.8	0.09	186	0.62	0.01	<0.05
MMJNR154S		104.5	3.80	5.59	0.08	0.10	0.28	0.014	0.35	7.1	7.4	0.74	626	5.95	0.21	0.24
MMJNR155		11.1	1.23	0.90	<0.05	0.03	<0.01	0.011	0.05	11.2	5.6	0.07	203	0.47	0.01	<0.05
MMJNR156		12.1	1.60	1.45	<0.05	0.04	<0.01	0.009	0.07	16.2	10.7	0.12	217	0.39	0.01	<0.05
MMJNR157		18.3	2.76	3.32	0.05	0.06	<0.01	0.020	0.10	17.5	30.8	0.41	407	0.38	0.02	0.13
MMJNR158		8.1	1.18	0.91	<0.05	0.04	<0.01	0.006	0.08	11.8	3.6	0.04	176	0.30	0.01	<0.05
MMJNR159		3.2	0.96	0.51	<0.05	0.03	<0.01	0.009	0.04	7.2	2.2	0.02	102	0.39	<0.01	<0.05
MMJNR160		6.3	3.43	0.40	<0.05	0.03	0.01	0.014	0.03	3.0	1.4	0.02	80	0.60	<0.01	<0.05
MMJNR161		12.7	1.84	0.96	<0.05	0.03	<0.01	0.011	0.08	15.7	3.4	0.04	234	0.58	<0.01	<0.05
MMJNR162		32.9	4.21	2.00	0.06	0.08	0.01	0.025	0.16	26.9	4.2	0.07	553	0.60	0.01	<0.05
MMJNR163		36.7	5.12	4.24	0.06	0.08	<0.01	0.029	0.13	23.0	40.9	0.43	834	0.47	0.01	<0.05
MMJNR164		41.3	5.20	5.77	0.08	0.08	<0.01	0.026	0.17	35.6	56.5	0.58	709	0.33	0.01	<0.05
MMJNR165		34.0	4.60	5.59	0.08	0.11	<0.01	0.023	0.20	34.4	56.2	0.57	513	0.29	0.02	<0.05
MMJNR165B		1.4	0.08	0.07	0.05	<0.02	<0.01	<0.005	0.01	1.1	0.8	0.80	103	<0.05	<0.01	0.05
MMJNR166		26.4	2.66	1.88	0.05	0.08	<0.01	0.018	0.16	27.2	7.0	0.08	280	0.50	0.01	<0.05
MMJNR167		10.8	1.66	0.92	<0.05	0.05	<0.01	0.010	0.08	13.1	2.7	0.03	239	0.38	0.01	<0.05
MMJNR168		7.1	1.42	0.88	<0.05	0.05	<0.01	0.008	0.07	15.5	1.8	0.02	259	0.50	0.01	<0.05
MMJNR169		6.9	1.28	0.97	<0.05	0.05	<0.01	0.008	0.08	15.0	2.6	0.02	188	0.37	0.01	<0.05
MMJNR169S		132.0	3.07	4.38	0.08	0.16	0.02	0.103	0.13	9.1	9.1	0.44	675	6.24	0.13	0.27
MMJNR170		18.8	3.04	1.23	<0.05	0.06	<0.01	0.017	0.08	16.2	2.6	0.04	637	0.34	0.01	<0.05
MMJNR170B		2.2	0.07	0.06	<0.05	<0.02	<0.01	<0.005	0.01	1.1	0.5	0.73	90	<0.05	<0.01	0.08
MMJNR171		34.0	3.21	1.99	0.07	0.08	<0.01	0.015	0.16	32.6	3.9	0.06	473	0.29	0.01	<0.05
MMJNR172		28.9	3.04	2.31	0.05	0.03	<0.01	0.018	0.13	24.2	6.0	0.08	388	0.39	0.01	<0.05
MMJNR173		17.7	2.90	2.54	<0.05	<0.02	<0.01	0.016	0.11	20.5	16.5	0.19	315	0.33	0.01	0.06
MMJNR173S		105.5	3.78	5.92	0.08	0.10	0.33	0.014	0.35	7.3	7.5	0.74	630	6.03	0.21	0.23

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method / Analyte / Units / LOD	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
KBJNR001		4.1	10	20.7	0.6	<0.001	0.21	2.20	0.1	0.2	<0.2	1.9	<0.01	0.07	0.5	<0.005
MMJNR145		6.1	60	5.3	3.9	<0.001	0.01	0.56	0.5	<0.2	<0.2	9.6	<0.01	0.01	5.3	<0.005
MMJNR146		6.5	70	6.0	3.4	<0.001	<0.01	0.48	0.5	<0.2	<0.2	6.8	<0.01	0.01	5.3	<0.005
MMJNR147		6.2	100	5.5	3.4	<0.001	0.01	0.42	0.7	<0.2	<0.2	5.9	<0.01	<0.01	5.8	<0.005
MMJNR148		5.4	50	2.9	3.1	<0.001	0.03	0.35	0.6	<0.2	0.2	4.2	<0.01	<0.01	5.4	<0.005
MMJNR149		7.0	30	4.6	4.3	<0.001	0.02	0.48	0.4	<0.2	0.2	4.0	<0.01	0.01	5.3	<0.005
MMJNR150		4.0	50	11.1	2.4	<0.001	0.07	0.86	0.4	<0.2	0.2	4.6	<0.01	0.04	3.0	<0.005
MMJNR150S		21.3	860	14.6	5.4	0.054	0.27	3.82	2.4	2.7	1.8	96.0	<0.01	2.40	1.9	0.088
MMJNR150B		<0.2	60	0.5	0.2	<0.001	0.01	<0.05	0.1	0.3	<0.2	79.0	<0.01	0.01	<0.2	<0.005
MMJNR151		9.7	20	172.0	1.8	<0.001	1.47	25.0	0.1	2.1	0.2	5.1	<0.01	0.68	3.1	<0.005
MMJNR151B		0.8	80	0.4	0.3	<0.001	0.04	<0.05	0.2	0.4	<0.2	73.6	<0.01	0.01	<0.2	<0.005
MMJNR152		3.9	20	28.3	0.9	<0.001	0.44	6.91	0.1	0.9	<0.2	2.4	<0.01	0.22	0.9	<0.005
MMJNR152B		0.4	80	0.2	0.1	<0.001	0.01	<0.05	0.1	0.6	<0.2	78.9	<0.01	<0.01	<0.2	<0.005
MMJNR153		2.6	20	32.6	1.3	<0.001	0.15	2.38	0.1	0.5	0.4	2.3	<0.01	0.06	1.0	<0.005
MMJNR153B		<0.2	60	0.5	0.3	<0.001	<0.01	<0.05	0.1	0.4	<0.2	81.4	<0.01	0.02	<0.2	<0.005
MMJNR154		6.9	100	6.8	3.7	<0.001	0.03	0.40	0.5	<0.2	0.2	4.5	<0.01	0.01	3.4	<0.005
MMJNR154S		16.4	750	11.5	14.8	0.001	0.12	4.55	3.2	3.6	1.6	79.5	<0.01	0.12	2.3	0.152
MMJNR155		6.7	120	10.0	3.1	<0.001	0.03	0.39	0.5	<0.2	0.2	4.2	<0.01	0.01	3.9	<0.005
MMJNR156		11.5	170	13.6	4.2	<0.001	0.03	0.53	0.8	<0.2	0.2	6.7	<0.01	0.01	6.9	<0.005
MMJNR157		20.2	180	11.3	5.2	<0.001	0.05	0.53	1.7	<0.2	0.3	13.6	<0.01	0.01	6.9	0.008
MMJNR158		6.7	100	4.6	3.8	<0.001	0.02	0.38	0.5	<0.2	0.2	5.1	<0.01	<0.01	4.7	<0.005
MMJNR159		2.7	50	6.2	2.5	<0.001	0.01	0.28	0.4	<0.2	<0.2	4.2	<0.01	<0.01	2.9	<0.005
MMJNR160		10.5	30	58.1	1.9	<0.001	1.16	12.05	0.2	1.3	0.3	3.3	<0.01	0.55	2.2	<0.005
MMJNR161		11.8	160	7.7	4.1	<0.001	0.02	0.65	0.7	<0.2	0.2	7.7	<0.01	0.01	7.2	<0.005
MMJNR162		35.3	320	17.2	6.9	<0.001	0.05	1.20	1.9	<0.2	0.2	12.5	<0.01	0.02	12.4	<0.005
MMJNR163		42.3	270	22.9	5.8	<0.001	0.05	1.21	2.5	<0.2	<0.2	9.7	<0.01	0.02	13.3	<0.005
MMJNR164		51.0	270	26.0	8.0	<0.001	0.02	1.14	2.2	<0.2	0.3	9.6	<0.01	0.02	16.7	<0.005
MMJNR165		43.5	210	29.0	8.9	<0.001	0.02	0.84	2.2	<0.2	0.2	8.7	<0.01	0.01	15.0	<0.005
MMJNR165B		0.7	70	0.2	0.3	<0.001	0.01	<0.05	0.1	0.8	<0.2	78.8	<0.01	<0.01	<0.2	<0.005
MMJNR166		21.8	210	54.9	6.9	<0.001	0.02	0.92	1.1	<0.2	0.2	7.7	<0.01	0.01	10.1	<0.005
MMJNR167		8.5	100	40.3	4.2	<0.001	0.03	0.46	0.6	<0.2	0.3	4.2	<0.01	0.01	5.6	<0.005
MMJNR168		7.4	90	21.1	3.6	<0.001	0.02	0.32	0.8	<0.2	<0.2	4.8	<0.01	<0.01	6.0	<0.005
MMJNR169		7.0	90	6.0	4.2	<0.001	0.03	0.37	0.7	<0.2	0.2	4.4	<0.01	0.01	5.9	<0.005
MMJNR169S		20.4	850	13.9	5.3	0.055	0.27	3.67	2.4	3.0	1.7	94.2	<0.01	2.40	1.8	0.088
MMJNR170		17.8	190	22.1	4.3	<0.001	0.03	0.74	1.7	0.2	<0.2	5.7	<0.01	0.02	6.4	<0.005
MMJNR170B		0.2	50	0.5	0.3	<0.001	0.01	0.06	0.1	0.6	<0.2	77.1	<0.01	0.01	<0.2	<0.005
MMJNR171		28.8	210	15.3	6.9	<0.001	0.02	0.87	1.6	<0.2	<0.2	9.1	<0.01	0.02	13.6	<0.005
MMJNR172		28.3	770	13.6	7.0	<0.001	0.02	1.03	1.6	<0.2	<0.2	15.7	<0.01	0.02	9.6	<0.005
MMJNR173		22.0	220	12.0	6.1	<0.001	0.02	0.85	1.2	<0.2	0.3	6.4	<0.01	0.01	6.3	<0.005
MMJNR173S		16.6	750	12.3	15.0	0.001	0.12	4.61	3.4	4.0	1.7	83.7	<0.01	0.10	2.4	0.153

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG46	Au-AA26
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	1	0.01
KBJNR001		<0.02	<0.05	2	<0.05	0.11	2	<0.5		2.66
MMJNR145		0.03	0.44	4	<0.05	1.12	20	2.3		0.01
MMJNR146		0.03	0.43	3	<0.05	1.08	25	2.4		<0.01
MMJNR147		0.03	0.50	4	<0.05	1.09	27	2.7		0.01
MMJNR148		0.03	0.37	3	0.05	0.85	19	2.6		0.01
MMJNR149		0.03	0.35	3	0.06	0.75	19	2.6		0.01
MMJNR150		0.02	0.24	2	<0.05	0.77	8	1.6		0.84
MMJNR150S		0.05	1.80	52	8.90	6.94	97	5.5		1.00
MMJNR150B		<0.02	0.22	<1	0.05	2.38	<2	<0.5		0.01
MMJNR151		0.03	0.22	2	<0.05	0.31	3	1.3		61.1
MMJNR151B		0.02	0.19	1	<0.05	2.22	4	<0.5		0.03
MMJNR152		<0.02	0.09	2	<0.05	0.13	2	<0.5		1.18
MMJNR152B		<0.02	0.12	<1	<0.05	2.02	<2	<0.5		0.01
MMJNR153		0.04	0.11	2	0.05	0.24	3	0.6		0.75
MMJNR153B		<0.02	0.16	<1	<0.05	2.24	<2	<0.5		0.01
MMJNR154		0.03	0.25	4	<0.05	0.99	19	1.4		0.17
MMJNR154S		0.12	0.77	76	1.25	8.16	60	1.8	126	10.35
MMJNR155		0.03	0.30	4	<0.05	1.11	23	1.7		0.03
MMJNR156		0.03	0.51	6	<0.05	1.67	30	2.5		0.01
MMJNR157		0.04	0.56	13	<0.05	2.65	54	2.1		0.01
MMJNR158		0.03	0.36	4	<0.05	1.06	21	2.0		0.01
MMJNR159		0.02	0.21	3	<0.05	0.58	17	1.7		0.02
MMJNR160		0.02	0.17	2	0.07	0.41	6	1.1		9.90
MMJNR161		0.03	0.84	5	<0.05	1.67	28	1.7		0.06
MMJNR162		0.07	1.80	11	<0.05	3.33	88	5.4		0.44
MMJNR163		0.06	1.31	18	<0.05	3.49	113	5.3		0.19
MMJNR164		0.06	1.35	19	<0.05	3.49	119	4.7		0.09
MMJNR165		0.07	1.21	19	0.05	3.03	106	5.1		0.09
MMJNR165B		<0.02	0.08	1	0.15	2.12	2	<0.5		<0.01
MMJNR166		0.06	1.33	9	<0.05	2.52	52	3.6		0.06
MMJNR167		0.04	0.48	5	<0.05	1.39	21	2.5		0.03
MMJNR168		0.03	0.47	5	<0.05	1.40	20	2.8		0.01
MMJNR169		0.03	0.41	4	<0.05	1.46	15	2.9		0.01
MMJNR169S		0.05	1.78	51	8.20	6.77	97	5.4		0.98
MMJNR170		0.04	1.13	7	0.05	2.72	44	4.8		0.11
MMJNR170B		<0.02	0.18	<1	0.54	2.20	<2	<0.5		<0.01
MMJNR171		0.05	1.02	10	<0.05	2.96	75	4.9		0.02
MMJNR172		0.05	0.75	11	<0.05	3.14	71	2.6		0.02
MMJNR173		0.04	0.59	10	<0.05	1.86	52	0.5		0.02
MMJNR173S		0.11	0.80	76	1.54	8.54	59	2.0	121	10.55

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	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
MMJNR174		5.55	0.98	0.07	118.0	0.03	<10	10	<0.05	1.73	0.01	0.08	4.03	2.3	19	0.12
MMJNR175		7.13	0.04	0.10	64.4	<0.02	<10	10	<0.05	0.03	0.03	0.02	6.66	1.5	18	0.13
MMJNR176		5.98	0.07	0.26	21.5	0.16	<10	20	0.28	0.09	0.35	0.10	18.05	4.2	20	0.21
MMJNR177		4.49	0.02	0.13	382	0.04	<10	10	0.06	0.12	0.02	0.04	10.80	2.3	22	0.23
MMJNR178		5.16	0.03	0.40	223	0.02	<10	20	0.15	0.08	0.03	0.05	30.9	4.2	17	0.51
MMJNR179		4.97	0.09	1.22	1765	0.24	<10	50	0.39	0.59	0.13	0.08	47.7	12.1	19	1.12
MMJNR180		7.76	0.12	0.85	3420	0.72	<10	40	0.27	1.71	0.12	0.04	34.0	9.2	23	0.94
MMJNR180B		8.30	0.01	0.02	4.0	<0.02	<10	10	<0.05	0.03	>25.0	0.01	1.11	0.4	<1	<0.05
MMJNR181		19.54	0.10	2.07	750	0.21	<10	60	0.57	0.55	0.25	0.07	76.8	15.1	29	2.12
MMJNR181S		0.21	>100	1.87	11.7	9.97	<10	180	0.14	0.08	1.01	0.20	17.35	9.1	23	0.85
MMJNR182		13.65	0.16	2.52	264	0.03	<10	60	0.53	0.25	0.15	0.06	81.3	14.6	34	1.15
MMJNR183		5.72	0.64	0.04	>10000	6.46	<10	10	<0.05	2.16	0.01	0.01	2.92	4.0	23	0.15
MMJNR184		6.49	0.30	0.10	>10000	3.52	<10	10	0.05	4.78	0.04	0.02	12.50	11.3	25	0.29
MMJNR185		3.27	0.42	0.04	>10000	4.64	<10	10	<0.05	1.50	0.01	0.01	5.19	6.8	26	0.14
MMJNR186		5.26	0.02	0.26	45.1	<0.02	<10	10	0.13	0.09	0.04	0.02	26.4	3.1	19	0.65
MMJNR187		8.76	0.02	0.21	24.2	<0.02	<10	10	0.11	0.09	0.09	0.01	22.4	2.2	22	0.54
MMJNR188		7.71	0.10	0.59	65.5	<0.02	<10	30	0.20	1.03	0.11	0.03	31.7	7.3	24	1.00
MMJNR188B		9.33	0.01	0.02	1.5	<0.02	<10	10	<0.05	0.01	>25.0	0.01	1.31	0.3	1	<0.05
MMJNR189		5.41	0.03	0.39	86.3	<0.02	<10	30	0.33	0.24	0.10	0.06	33.7	9.2	15	0.92
MMJNR190		7.29	0.03	0.36	82.2	<0.02	<10	20	0.25	0.16	0.05	0.06	28.0	9.6	21	0.76
MMJNR190S		0.21	0.41	1.36	1120	0.87	20	80	0.16	23.0	3.78	0.63	14.40	43.8	21	0.68
MMJNR191		3.38	0.01	0.31	156.0	<0.02	<10	20	0.16	0.20	0.03	0.04	33.2	4.8	15	0.54
MMJNR192		4.77	0.01	0.32	136.0	<0.02	<10	20	0.20	0.14	0.06	0.04	29.6	5.4	15	0.73
MMJNR193		5.50	0.03	2.64	23.6	<0.02	<10	50	0.31	0.38	0.12	0.05	90.5	9.8	39	1.37
MMJNR193B		7.12	<0.01	0.04	0.8	<0.02	<10	20	<0.05	0.04	>25.0	0.01	1.33	0.5	1	<0.05
MMJNR194		5.75	0.07	2.78	16.7	<0.02	<10	40	0.34	0.56	0.11	0.04	70.5	12.3	36	1.68
MMJNR195		4.70	0.04	3.20	11.6	<0.02	<10	60	0.47	0.42	0.17	0.04	99.7	13.6	39	1.82
MMJNR195S		0.21	0.45	1.39	1100	1.02	20	80	0.17	22.2	3.81	0.64	14.75	43.3	21	0.68
MMJNR196		4.54	0.04	3.04	19.0	<0.02	<10	60	0.45	0.43	0.12	0.03	96.1	12.1	38	1.66
MMJNR197		6.71	0.03	2.96	19.5	<0.02	<10	60	0.47	0.39	0.13	0.04	107.5	13.7	37	1.55
MMJNR198		5.31	0.03	2.90	26.6	<0.02	<10	60	0.40	0.34	0.18	0.06	106.0	12.3	37	1.46
MMJNR199		0.99	0.01	0.13	2.2	<0.02	<10	<10	<0.05	0.03	0.11	0.01	3.71	1.1	16	0.18
MMJNR200		3.94	0.01	0.02	1270	0.03	<10	<10	<0.05	0.03	0.08	0.01	0.53	0.5	26	0.07
MMJNR201		3.79	0.03	0.66	111.5	<0.02	<10	20	0.11	0.43	0.02	0.03	29.6	2.9	21	0.30
MMJNR202		2.53	2.58	0.85	>10000	0.15	<10	30	0.15	37.2	0.02	0.09	7.07	26.0	13	0.38

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method / Analyte / Units / LOD	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
MMJNR174		8.5	1.36	0.26	<0.05	0.02	0.02	0.029	0.02	2.0	0.6	<0.01	90	0.42	<0.01	<0.05
MMJNR175		4.7	1.00	0.33	<0.05	0.02	<0.01	<0.005	0.02	3.3	1.0	0.01	118	0.45	<0.01	<0.05
MMJNR176		19.2	2.63	0.94	<0.05	0.07	<0.01	0.021	0.04	8.5	2.0	0.09	666	0.39	0.01	<0.05
MMJNR177		6.4	1.03	0.45	<0.05	0.02	0.01	0.006	0.05	5.2	1.4	0.01	129	0.22	<0.01	<0.05
MMJNR178		6.7	1.63	1.47	<0.05	0.03	0.01	0.010	0.09	14.8	6.7	0.08	389	0.38	0.02	<0.05
MMJNR179		19.6	3.12	3.69	0.06	0.04	0.01	0.019	0.15	24.1	31.0	0.39	436	0.29	0.01	0.25
MMJNR180		14.4	2.41	2.48	0.05	0.03	0.02	0.011	0.13	17.7	22.9	0.26	237	0.50	0.01	0.06
MMJNR180B		1.7	0.07	0.06	<0.05	<0.02	<0.01	<0.005	<0.01	1.2	0.6	0.76	103	<0.05	<0.01	0.06
MMJNR181		34.1	4.43	6.51	0.09	0.07	<0.01	0.022	0.21	41.7	67.3	0.69	550	0.36	0.02	<0.05
MMJNR181S		107.0	3.81	6.00	0.07	0.10	0.29	0.015	0.35	7.6	7.7	0.75	639	6.22	0.22	0.25
MMJNR182		34.3	4.93	8.29	0.10	0.14	<0.01	0.020	0.20	45.3	95.4	0.88	647	0.32	0.02	0.07
MMJNR183		4.2	1.85	0.16	<0.05	<0.02	0.01	<0.005	0.01	1.8	0.6	<0.01	71	0.79	<0.01	<0.05
MMJNR184		10.5	2.09	0.36	<0.05	0.02	0.02	0.007	0.04	5.9	0.9	0.01	106	0.83	0.01	<0.05
MMJNR185		2.3	2.57	0.19	<0.05	0.02	0.02	0.006	0.01	2.7	0.3	<0.01	112	0.98	<0.01	<0.05
MMJNR186		14.8	1.27	0.93	<0.05	0.04	<0.01	0.010	0.08	12.3	3.2	0.04	133	0.35	0.02	<0.05
MMJNR187		8.7	1.21	0.77	<0.05	0.05	0.01	0.011	0.07	10.7	2.3	0.03	192	0.46	0.02	<0.05
MMJNR188		23.4	1.98	2.16	<0.05	0.06	0.01	0.014	0.16	15.0	9.9	0.12	160	0.36	0.02	<0.05
MMJNR188B		2.0	0.07	0.07	0.05	0.02	0.01	<0.005	0.01	1.3	0.6	0.76	105	<0.05	<0.01	0.15
MMJNR189		21.5	2.20	1.46	<0.05	0.07	<0.01	0.015	0.14	16.9	6.3	0.05	242	0.35	0.01	<0.05
MMJNR190		28.0	2.33	1.43	<0.05	0.04	<0.01	0.016	0.10	13.4	7.0	0.05	230	0.46	0.01	<0.05
MMJNR190S		132.0	2.98	4.30	0.08	0.17	0.02	0.104	0.13	8.5	8.8	0.43	654	6.13	0.12	0.26
MMJNR191		9.5	1.80	1.11	<0.05	0.07	<0.01	0.014	0.10	16.4	7.8	0.03	310	0.46	0.02	<0.05
MMJNR192		22.4	1.81	1.26	<0.05	0.03	<0.01	0.019	0.10	14.4	8.9	0.04	191	0.37	0.02	<0.05
MMJNR193		27.0	4.65	7.44	0.08	0.09	0.01	0.017	0.20	50.0	79.6	0.98	401	0.41	0.04	0.08
MMJNR193B		1.5	0.10	0.13	0.05	0.03	<0.01	<0.005	0.01	1.3	0.9	0.63	99	<0.05	0.01	0.24
MMJNR194		27.1	5.11	8.44	0.08	0.10	<0.01	0.018	0.15	40.1	106.5	1.07	424	0.40	0.03	<0.05
MMJNR195		34.2	5.29	9.50	0.10	0.06	<0.01	0.019	0.23	56.6	116.5	1.13	336	0.30	0.05	<0.05
MMJNR195S		132.0	3.03	4.41	0.08	0.16	0.01	0.104	0.13	9.2	9.0	0.44	666	6.26	0.13	0.27
MMJNR196		26.9	5.06	9.24	0.10	0.05	<0.01	0.019	0.24	54.4	106.5	1.05	352	0.33	0.05	<0.05
MMJNR197		32.1	4.96	9.00	0.12	0.07	<0.01	0.020	0.22	60.6	105.5	1.04	451	0.28	0.04	0.08
MMJNR198		22.8	4.89	8.09	0.09	0.06	<0.01	0.016	0.21	57.2	99.0	1.05	451	0.26	0.04	<0.05
MMJNR199		6.2	0.87	0.43	<0.05	0.03	0.01	<0.005	0.02	1.9	3.5	0.04	112	0.68	0.01	<0.05
MMJNR200		1.2	0.78	0.10	<0.05	<0.02	<0.01	<0.005	0.01	0.3	0.5	0.01	102	0.60	<0.01	<0.05
MMJNR201		6.5	1.41	2.08	<0.05	0.04	<0.01	0.008	0.12	13.5	14.0	0.20	191	0.46	0.01	<0.05
MMJNR202		109.0	7.03	2.64	<0.05	0.05	0.01	0.024	0.17	3.2	20.3	0.28	222	0.47	0.01	<0.05

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

Finalized Date: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method Analyte Units LOD	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
MMJNR174		4.7	20	416	1.2	<0.001	0.34	0.51	0.2	1.3	0.2	2.3	<0.01	0.02	1.0	<0.005
MMJNR175		3.7	70	4.6	1.4	<0.001	0.01	0.23	0.3	<0.2	0.2	2.4	<0.01	<0.01	1.5	<0.005
MMJNR176		13.7	100	19.1	1.9	0.001	0.07	0.38	2.0	<0.2	<0.2	9.6	<0.01	<0.01	4.6	<0.005
MMJNR177		3.9	50	2.4	2.6	<0.001	0.02	0.51	0.2	0.2	0.4	3.9	<0.01	0.02	2.2	<0.005
MMJNR178		8.5	130	17.7	4.7	0.001	0.03	0.36	1.1	<0.2	0.3	5.0	<0.01	<0.01	7.7	<0.005
MMJNR179		22.9	320	20.6	9.4	<0.001	0.05	1.20	1.6	0.2	1.0	21.7	<0.01	0.08	7.4	0.006
MMJNR180		18.8	370	12.7	6.9	<0.001	0.15	1.96	1.0	0.2	0.5	19.9	<0.01	0.09	6.1	<0.005
MMJNR180B		<0.2	60	0.5	0.3	<0.001	0.01	<0.05	0.1	0.5	<0.2	83.2	<0.01	<0.01	<0.2	<0.005
MMJNR181		43.2	430	17.0	11.2	<0.001	0.02	1.54	2.7	<0.2	0.3	24.5	<0.01	0.03	13.7	<0.005
MMJNR181S		16.8	750	13.4	15.3	0.001	0.12	4.52	3.6	4.5	1.7	85.4	<0.01	0.09	2.5	0.154
MMJNR182		48.0	350	11.2	10.5	<0.001	0.01	0.90	2.8	<0.2	0.2	18.6	<0.01	0.01	14.3	<0.005
MMJNR183		16.5	30	10.0	0.8	<0.001	0.66	7.77	0.1	0.7	<0.2	8.0	<0.01	0.41	0.9	<0.005
MMJNR184		16.4	90	5.5	2.7	0.001	0.89	6.07	0.2	1.8	0.3	9.3	<0.01	1.24	3.8	<0.005
MMJNR185		22.6	30	6.9	1.1	0.001	0.96	11.35	0.1	1.2	<0.2	6.4	<0.01	0.56	1.3	<0.005
MMJNR186		8.4	80	1.8	6.7	<0.001	0.06	0.29	0.9	0.2	0.9	4.8	<0.01	<0.01	6.3	<0.005
MMJNR187		5.9	60	1.3	5.2	<0.001	0.05	0.25	1.0	<0.2	0.4	4.8	<0.01	<0.01	4.9	<0.005
MMJNR188		20.1	210	3.7	10.3	<0.001	0.12	0.52	1.3	0.2	0.8	9.3	<0.01	<0.01	7.8	<0.005
MMJNR188B		<0.2	70	0.4	0.3	<0.001	0.01	<0.05	0.1	0.4	<0.2	77.3	<0.01	<0.01	0.2	<0.005
MMJNR189		22.0	170	2.1	8.8	<0.001	0.08	0.44	1.6	0.2	0.9	9.7	<0.01	<0.01	8.5	<0.005
MMJNR190		20.5	150	2.4	6.6	<0.001	0.06	0.59	1.8	<0.2	0.8	8.3	<0.01	0.01	6.6	<0.005
MMJNR190S		20.7	840	13.5	5.3	0.050	0.26	3.82	2.4	2.3	1.7	93.1	<0.01	2.45	1.9	0.086
MMJNR191		10.0	90	1.5	6.5	<0.001	0.04	0.67	1.8	<0.2	0.4	6.6	<0.01	<0.01	8.0	<0.005
MMJNR192		11.8	150	1.9	8.4	<0.001	0.08	0.93	1.8	<0.2	1.1	7.2	<0.01	<0.01	6.7	<0.005
MMJNR193		39.2	310	5.5	9.8	<0.001	0.02	1.32	2.1	0.2	0.4	21.7	<0.01	0.02	14.4	<0.005
MMJNR193B		<0.2	70	0.4	0.4	<0.001	0.02	<0.05	0.1	0.4	<0.2	79.2	<0.01	<0.01	0.2	<0.005
MMJNR194		47.8	460	24.0	8.1	<0.001	0.02	1.24	2.2	0.2	0.3	19.6	<0.01	0.05	12.1	<0.005
MMJNR195		51.4	750	8.9	11.8	<0.001	0.01	0.74	2.4	<0.2	0.4	30.9	<0.01	0.03	15.5	<0.005
MMJNR195S		20.6	850	14.5	5.2	0.053	0.26	3.73	2.4	2.4	1.7	94.0	<0.01	2.43	1.9	0.087
MMJNR196		47.8	570	7.1	12.2	<0.001	0.01	0.66	2.3	<0.2	0.3	29.6	<0.01	0.04	14.6	<0.005
MMJNR197		48.3	560	10.2	11.3	<0.001	0.01	0.92	2.3	<0.2	0.2	28.1	<0.01	0.03	16.4	<0.005
MMJNR198		41.5	690	16.4	10.6	<0.001	0.01	0.63	2.0	<0.2	0.2	29.1	<0.01	0.02	15.3	<0.005
MMJNR199		2.8	120	1.8	0.8	<0.001	0.02	0.25	0.2	<0.2	<0.2	5.1	<0.01	<0.01	0.6	<0.005
MMJNR200		2.1	20	1.1	0.4	<0.001	0.09	0.60	0.1	<0.2	<0.2	5.1	<0.01	0.05	<0.2	<0.005
MMJNR201		7.1	80	8.0	4.8	<0.001	0.01	0.27	0.6	<0.2	0.4	2.2	<0.01	0.01	5.9	<0.005
MMJNR202		14.4	130	143.0	6.8	<0.001	2.34	15.70	0.9	1.6	0.7	2.9	<0.01	1.60	6.9	<0.005

***** 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: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

Sample Description	Method Analyte Units LOD	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	Ag-OG46 Ag ppm 1	Au-AA26 Au ppm 0.01
MMJNR174		<0.02	0.09	1	<0.05	0.28	7	0.8		0.02
MMJNR175		<0.02	0.13	2	0.07	0.57	7	1.2		0.02
MMJNR176		0.02	0.36	7	<0.05	2.96	58	4.9		0.22
MMJNR177		0.02	0.21	1	0.05	0.54	8	1.1		0.05
MMJNR178		0.04	0.42	6	<0.05	1.73	24	2.6		0.05
MMJNR179		0.08	0.86	13	0.06	4.25	48	1.6		0.37
MMJNR180		0.06	0.65	9	0.05	2.83	36	1.7		0.99
MMJNR180B		<0.02	0.13	<1	<0.05	2.44	<2	<0.5		<0.01
MMJNR181		0.09	1.34	17	0.09	5.80	85	4.1		0.28
MMJNR181S		0.12	0.85	76	1.46	8.71	59	2.0	124	10.30
MMJNR182		0.07	1.14	19	0.05	4.30	102	5.5		0.04
MMJNR183		<0.02	0.10	2	<0.05	0.37	<2	0.5		7.64
MMJNR184		0.02	0.25	3	<0.05	0.77	3	1.0		3.92
MMJNR185		<0.02	0.10	2	<0.05	0.39	2	1.2		4.74
MMJNR186		0.06	0.44	6	<0.05	1.71	9	2.1		0.01
MMJNR187		0.04	0.34	5	<0.05	1.94	7	1.9		<0.01
MMJNR188		0.08	0.58	10	<0.05	2.32	26	3.1		0.01
MMJNR188B		<0.02	0.21	1	<0.05	2.48	2	<0.5		<0.01
MMJNR189		0.07	0.70	8	0.05	2.76	26	3.5		0.02
MMJNR190		0.05	0.62	9	<0.05	2.45	28	3.0		0.01
MMJNR190S		0.05	1.76	50	8.32	6.66	96	5.4		1.08
MMJNR191		0.06	0.40	6	<0.05	2.31	18	2.7		0.02
MMJNR192		0.07	0.44	7	<0.05	2.19	18	1.9		0.01
MMJNR193		0.06	0.94	19	<0.05	2.69	82	3.7		0.02
MMJNR193B		<0.02	0.28	1	<0.05	2.36	<2	0.6		<0.01
MMJNR194		0.05	0.88	19	<0.05	2.61	93	3.7		<0.01
MMJNR195		0.06	1.27	21	<0.05	3.35	105	3.2		<0.01
MMJNR195S		0.05	1.78	50	8.00	6.79	96	5.5		1.00
MMJNR196		0.08	1.17	21	<0.05	3.30	94	2.2		<0.01
MMJNR197		0.07	1.19	20	<0.05	3.43	100	3.5		0.01
MMJNR198		0.07	1.17	20	<0.05	3.51	98	2.7		0.01
MMJNR199		<0.02	0.07	3	<0.05	0.52	5	3.0		<0.01
MMJNR200		<0.02	<0.05	2	<0.05	0.32	2	0.8		0.01
MMJNR201		0.03	0.24	7	0.05	1.00	18	2.0		<0.01
MMJNR202		0.06	0.52	8	0.05	0.66	18	2.2		0.17

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

Finalized Date: 3-NOV-2018
Account: TELOEX

Project: 1008072-TELOEX-R1

CERTIFICATE OF ANALYSIS WH18226399

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:				
	BAG-01	CRU-31	CRU-QC	HOM-01m
	LOG-24	PUL-21	PUL-QC	SPL-21
	WEI-21			

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

Applies to Method:				
	Ag-OG46	Au-AA26	ME-MS41	ME-OG46

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Finalized Date: 20- OCT- 2018
Account: TELOEX

CERTIFICATE WH18226416

Project: 1008072- TELOEX- R1
P.O. No.: JN18- 002
This report is for 243 Soil samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2018.

The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

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	

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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL051 00+00		0.72	0.0031	0.24	0.66	136.0	<0.02	<10	30	0.52	0.54	0.45	0.21	44.4	17.7	14
JNL051 00+25W		0.66	0.0042	0.23	0.62	101.0	<0.02	<10	20	0.46	0.47	0.55	0.30	36.0	17.3	13
JNL051 00+50W		0.73	0.0042	0.17	1.55	81.9	<0.02	<10	20	0.36	0.78	0.07	0.16	33.8	18.5	20
JNL051 00+75W		0.57	0.0009	0.05	0.78	30.2	<0.02	<10	30	0.19	0.50	0.05	0.07	35.3	8.4	15
JNL051 01+00W		0.69	0.0035	0.11	1.86	43.3	<0.02	<10	80	0.41	0.48	0.08	0.06	35.4	9.3	24
JNL051 01+25W		0.75	0.0036	0.11	1.82	47.8	<0.02	<10	60	0.44	0.52	0.35	0.06	31.8	12.4	24
JNL051 01+50W		0.52	0.0017	0.05	1.28	27.9	<0.02	<10	40	0.33	0.42	0.06	0.09	35.4	10.0	17
JNL051 01+75W		0.62	0.0020	0.05	1.67	27.4	<0.02	<10	40	0.38	0.45	0.05	0.12	40.6	11.1	22
JNL051 02+00W		0.62	0.0055	0.12	1.05	32.2	<0.02	<10	50	0.24	0.34	0.24	0.09	29.3	6.4	15
JNL051 02+25W		0.63	0.0016	0.04	1.15	55.4	<0.02	<10	30	0.31	0.56	0.31	0.14	33.5	10.8	19
JNL051 02+50W		0.57	0.0030	0.09	1.66	73.3	<0.02	<10	60	0.54	0.52	0.29	0.14	39.2	16.2	23
JNL051 02+75W		0.56	0.0059	0.18	1.77	51.4	0.02	<10	60	0.55	0.46	0.28	0.06	32.5	12.0	22
JNL051 03+00W		0.59	0.0070	0.21	1.64	46.2	<0.02	<10	50	0.50	0.44	0.24	0.08	31.0	10.9	21
JNL051 03+25W		0.56	0.0097	0.16	1.88	70.5	<0.02	<10	60	0.57	0.54	0.33	0.13	37.7	15.9	26
JNL051 03+50W		0.78	0.0090	0.06	1.77	82.0	<0.02	<10	40	0.47	0.50	0.13	0.23	48.3	15.3	26
JNL051 03+75W		0.59	0.0099	0.17	1.57	134.5	<0.02	<10	70	0.60	0.71	0.30	0.25	39.8	13.7	23
JNL051 04+00W		0.93	0.0140	0.16	1.36	135.5	<0.02	<10	40	0.38	0.65	0.28	0.16	41.5	12.5	21
JNL051 04+25W		0.80	0.0189	0.21	1.38	109.5	<0.02	<10	40	0.47	0.60	0.41	0.26	40.3	13.8	21
JNL051 04+50W		0.60	0.0170	0.13	1.68	61.2	<0.02	<10	50	0.45	0.53	0.18	0.11	34.5	12.7	23
JNL051 04+75W		0.71	0.0133	0.09	1.70	69.1	<0.02	<10	30	0.40	0.54	0.09	0.11	44.3	13.9	26
JNL051 05+00W		0.68	0.0019	0.06	1.10	36.8	<0.02	<10	20	0.17	0.50	0.03	0.06	35.9	6.5	16
JNL051 05+25W		0.65	0.0030	0.05	1.73	31.9	<0.02	<10	20	0.32	0.40	0.10	0.08	47.2	14.0	25
JNL051 05+50W		0.67	0.0031	0.16	1.98	32.1	<0.02	<10	50	0.77	0.55	0.29	0.06	56.8	15.8	25
JNL051 05+75W		0.95	0.0082	0.19	2.21	35.7	<0.02	<10	40	0.59	0.46	0.20	0.10	49.5	14.6	30
JNL051 06+00W		0.73	0.0016	0.06	1.63	17.9	<0.02	<10	20	0.26	0.32	0.02	0.04	41.1	7.1	23
JNL051 06+25W		0.74	0.0042	0.07	2.00	27.6	<0.02	<10	30	0.37	0.47	0.04	0.08	50.5	15.1	28
JNL051 06+75W A		0.70	0.0081	0.22	1.90	59.5	<0.02	<10	20	0.56	0.44	0.08	0.10	59.6	29.6	26
JNL051 06+75W B		0.55	0.0044	0.09	2.03	33.3	<0.02	<10	20	0.39	0.41	0.05	0.11	54.0	13.5	28
JNL051 07+00W		0.58	0.0016	0.30	0.74	19.0	<0.02	<10	20	0.17	0.17	0.02	0.05	11.60	5.0	7
JNL052 00+00		0.57	0.0074	0.24	1.93	82.3	<0.02	<10	40	0.69	0.54	0.05	0.42	38.8	29.7	29
JNL052 00+25E		0.63	0.0070	0.11	1.82	62.8	<0.02	<10	30	0.48	0.43	0.03	0.12	22.3	29.6	23
JNL052 00+50E		0.75	0.0182	0.22	1.83	157.5	0.02	<10	30	0.87	0.62	0.04	0.25	33.4	42.3	22
JNL052 00+75E		0.63	0.0050	0.08	1.71	55.6	<0.02	<10	20	0.44	0.44	0.03	0.09	30.8	30.8	20
JNL052 01+00E		0.66	0.0092	0.11	2.15	140.0	<0.02	<10	40	0.71	0.78	0.01	0.13	36.7	64.2	24
JNL052 01+25E		0.61	0.0186	0.21	1.59	112.0	0.02	<10	20	0.70	0.60	0.01	0.15	26.6	37.4	20
JNL052 01+50E		0.54	0.0195	0.46	1.71	91.4	<0.02	<10	30	0.53	0.78	0.16	0.14	30.4	15.8	73
JNL052 01+75E		0.48	0.0029	0.29	1.85	40.0	<0.02	<10	30	0.76	0.51	0.12	0.11	30.3	38.1	63
JNL052 02+00E		0.68	0.0347	0.15	1.20	278	0.04	<10	30	0.65	0.50	0.03	0.15	48.4	26.5	16
JNL052 02+25E		0.70	0.0489	0.21	1.03	233	0.05	<10	30	0.66	0.48	0.01	0.14	42.7	25.4	16
JNL052 02+50E		0.74	0.0116	0.28	1.59	99.3	<0.02	<10	30	0.67	0.55	0.03	0.14	48.6	30.9	26

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL051 00+00		1.00	41.9	4.02	2.28	0.08	0.04	0.08	0.039	0.03	23.5	13.1	0.17	415	0.53	<0.01
JNL051 00+25W		0.85	38.2	3.71	2.05	0.07	0.05	0.06	0.038	0.03	19.5	11.2	0.18	376	0.49	<0.01
JNL051 00+50W		0.72	33.7	4.57	4.35	0.06	0.04	0.03	0.043	0.03	15.5	25.3	0.42	769	0.57	<0.01
JNL051 00+75W		1.16	15.6	2.69	4.72	0.06	<0.02	0.02	0.019	0.04	17.7	15.0	0.27	574	1.11	<0.01
JNL051 01+00W		1.71	20.5	3.49	5.64	0.05	0.08	0.02	0.035	0.05	20.0	50.0	0.60	276	0.90	<0.01
JNL051 01+25W		1.99	24.0	3.55	5.26	0.06	0.08	0.01	0.028	0.06	17.4	51.0	0.61	347	1.02	<0.01
JNL051 01+50W		1.08	20.9	2.96	4.65	0.05	0.02	0.01	0.027	0.05	17.6	26.0	0.35	380	0.42	<0.01
JNL051 01+75W		1.05	20.6	3.81	4.96	0.05	0.04	0.01	0.028	0.05	20.3	37.7	0.52	422	0.48	<0.01
JNL051 02+00W		1.09	17.0	2.19	4.34	<0.05	<0.02	0.01	0.016	0.05	15.5	24.2	0.35	278	0.90	0.01
JNL051 02+25W		0.84	21.4	3.59	4.75	0.05	0.03	0.01	0.030	0.05	16.6	28.7	0.46	603	0.86	<0.01
JNL051 02+50W		0.89	26.7	4.29	4.83	0.05	0.07	0.01	0.034	0.05	19.3	46.4	0.64	820	0.93	<0.01
JNL051 02+75W		1.45	29.5	3.22	5.05	0.06	0.08	0.01	0.031	0.06	18.9	44.8	0.55	322	0.69	0.01
JNL051 03+00W		1.74	23.8	3.06	5.04	0.06	0.08	0.02	0.035	0.05	19.0	40.5	0.49	262	0.52	0.01
JNL051 03+25W		1.63	29.2	3.80	5.93	0.06	0.10	0.02	0.038	0.07	22.3	49.7	0.64	374	0.51	<0.01
JNL051 03+50W		1.18	27.2	3.79	5.70	0.07	0.08	0.02	0.035	0.07	24.2	50.8	0.66	344	0.38	<0.01
JNL051 03+75W		1.67	33.0	3.66	5.07	0.07	0.10	0.03	0.061	0.08	22.4	29.8	0.38	381	0.74	<0.01
JNL051 04+00W		1.06	27.7	3.80	4.63	0.07	0.05	0.02	0.031	0.04	22.1	36.7	0.47	312	0.54	<0.01
JNL051 04+25W		1.16	35.9	3.62	4.40	0.07	0.08	0.03	0.046	0.05	22.0	35.4	0.45	304	0.57	<0.01
JNL051 04+50W		1.56	28.0	3.65	5.41	0.06	0.10	0.02	0.038	0.05	19.1	40.5	0.51	319	0.62	<0.01
JNL051 04+75W		1.00	35.3	4.16	5.61	0.07	0.04	0.03	0.030	0.03	24.1	50.7	0.64	409	0.58	<0.01
JNL051 05+00W		1.13	19.5	2.66	5.43	<0.05	<0.02	0.03	0.019	0.03	19.5	24.3	0.30	156	0.74	<0.01
JNL051 05+25W		0.70	28.3	3.82	5.76	0.08	0.05	0.02	0.019	0.03	26.0	56.9	0.70	366	0.43	<0.01
JNL051 05+50W		3.51	38.9	3.86	6.59	0.09	0.05	0.03	0.034	0.04	36.0	56.6	0.64	463	0.70	<0.01
JNL051 05+75W		2.74	46.7	4.24	6.65	0.08	0.07	0.02	0.025	0.04	30.9	76.8	0.83	367	0.50	<0.01
JNL051 06+00W		1.49	23.9	3.08	5.91	0.06	0.02	0.02	0.015	0.03	22.6	46.2	0.60	221	0.50	<0.01
JNL051 06+25W		1.56	32.9	3.96	6.46	0.07	0.03	0.02	0.021	0.03	28.2	63.5	0.80	389	0.52	<0.01
JNL051 06+75W A		1.22	53.3	4.94	6.12	0.09	<0.02	0.01	0.026	0.03	33.5	58.5	0.79	1070	0.84	<0.01
JNL051 06+75W B		1.14	34.7	4.07	6.60	0.08	0.04	0.02	0.029	0.03	29.6	63.8	0.80	378	0.42	<0.01
JNL051 07+00W		0.88	17.2	1.58	2.86	<0.05	<0.02	0.03	0.011	0.02	6.4	9.4	0.14	214	0.39	0.01
JNL052 00+00		2.41	52.5	4.50	6.28	0.06	0.05	0.03	0.039	0.04	21.8	47.4	0.69	1040	1.42	<0.01
JNL052 00+25E		2.01	45.1	4.05	5.84	0.05	0.04	0.03	0.026	0.04	12.5	39.2	0.61	1000	1.15	<0.01
JNL052 00+50E		2.91	66.7	4.71	5.69	0.07	0.02	0.03	0.063	0.04	18.8	39.1	0.62	1350	1.16	<0.01
JNL052 00+75E		1.91	44.9	4.06	5.72	0.06	0.03	0.04	0.023	0.04	17.2	35.6	0.55	1120	1.08	0.01
JNL052 01+00E		2.12	66.4	5.29	6.85	0.08	0.05	0.03	0.028	0.03	20.9	54.7	0.77	1780	1.31	<0.01
JNL052 01+25E		1.74	57.7	5.00	4.66	0.05	0.04	0.04	0.041	0.03	14.8	33.7	0.50	978	1.61	<0.01
JNL052 01+50E		2.36	51.4	4.74	5.32	0.07	0.03	0.06	0.029	0.07	17.1	37.3	0.61	424	6.82	0.01
JNL052 01+75E		1.35	68.5	4.27	5.54	0.05	0.04	0.09	0.030	0.06	17.1	45.9	0.73	992	5.33	<0.01
JNL052 02+00E		1.54	40.5	4.90	4.11	0.08	0.02	0.02	0.033	0.03	26.0	26.0	0.39	1060	0.76	<0.01
JNL052 02+25E		1.91	40.8	4.42	3.53	0.07	0.02	0.04	0.030	0.04	23.7	21.2	0.32	1300	1.04	<0.01
JNL052 02+50E		1.69	66.9	4.98	5.37	0.08	0.02	0.02	0.034	0.03	27.9	39.3	0.63	1580	1.60	<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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL051 00+00		0.16	43.5	640	39.6	3.9	<0.001	0.05	3.67	3.2	0.7	0.3	46.5	<0.01	0.06	7.2
JNL051 00+25W		0.15	41.6	750	37.3	3.8	<0.001	0.05	3.40	3.0	0.6	0.3	51.1	<0.01	0.06	5.8
JNL051 00+50W		0.38	25.5	1000	72.2	4.2	<0.001	0.03	1.88	1.4	0.5	0.2	7.7	0.01	0.06	5.4
JNL051 00+75W		0.50	16.4	500	25.1	7.4	<0.001	0.02	1.36	0.9	0.3	0.3	7.5	<0.01	0.04	3.2
JNL051 01+00W		0.35	29.0	570	30.1	8.2	<0.001	0.02	0.81	1.6	0.2	0.4	15.9	<0.01	0.04	5.9
JNL051 01+25W		0.34	29.5	530	33.9	8.9	<0.001	0.04	0.88	1.5	0.6	0.3	35.0	<0.01	0.04	5.4
JNL051 01+50W		0.41	21.0	560	27.5	7.6	0.002	0.02	1.00	0.9	0.2	0.3	12.3	<0.01	0.03	2.8
JNL051 01+75W		0.43	25.4	490	32.6	7.8	<0.001	0.01	1.03	1.3	0.3	0.3	8.2	<0.01	0.03	5.5
JNL051 02+00W		0.43	17.1	380	17.5	7.7	<0.001	0.02	0.81	0.9	0.3	0.3	27.5	<0.01	0.04	3.0
JNL051 02+25W		0.26	23.8	910	47.1	6.8	0.001	0.02	2.10	1.2	0.2	0.2	28.8	<0.01	0.04	5.3
JNL051 02+50W		0.24	31.1	520	50.6	5.6	<0.001	0.02	1.54	1.6	0.4	0.3	28.1	<0.01	0.03	7.3
JNL051 02+75W		0.32	28.7	530	32.4	8.5	<0.001	0.03	0.78	1.6	0.4	0.4	31.1	<0.01	0.04	5.2
JNL051 03+00W		0.32	27.1	580	31.8	7.8	<0.001	0.03	0.82	1.6	<0.2	0.4	29.5	<0.01	0.03	4.3
JNL051 03+25W		0.33	34.3	630	41.5	9.4	<0.001	0.02	1.02	2.0	0.2	0.5	38.7	<0.01	0.04	6.5
JNL051 03+50W		0.31	35.2	460	44.1	7.7	0.001	0.01	1.12	2.0	0.2	0.5	19.5	<0.01	0.04	8.5
JNL051 03+75W		0.31	34.0	720	60.6	10.2	<0.001	0.04	1.74	2.3	0.5	0.8	34.1	<0.01	0.05	6.4
JNL051 04+00W		0.22	31.0	520	42.9	5.8	0.001	0.02	1.54	1.7	0.2	0.4	27.4	<0.01	0.04	6.9
JNL051 04+25W		0.23	35.8	630	49.9	5.4	<0.001	0.04	1.82	2.2	0.4	0.4	38.7	<0.01	0.05	6.6
JNL051 04+50W		0.23	31.6	670	31.0	6.6	<0.001	0.03	1.33	1.9	0.3	0.4	27.0	<0.01	0.04	5.3
JNL051 04+75W		0.19	34.9	510	32.8	4.8	<0.001	0.01	1.27	1.8	0.2	0.3	11.6	<0.01	0.05	7.6
JNL051 05+00W		0.33	18.4	700	20.0	5.7	<0.001	0.02	1.00	0.7	0.2	0.3	6.6	<0.01	0.06	2.4
JNL051 05+25W		0.14	33.6	510	29.3	3.1	<0.001	0.01	1.21	1.4	0.3	<0.2	12.5	<0.01	0.04	7.5
JNL051 05+50W		0.11	33.6	710	25.5	8.3	<0.001	0.02	1.03	1.6	<0.2	0.4	28.3	<0.01	0.04	5.7
JNL051 05+75W		0.12	46.7	510	23.4	5.1	0.001	0.01	1.07	2.0	0.4	0.2	22.5	<0.01	0.04	8.1
JNL051 06+00W		0.11	26.2	490	19.0	3.9	<0.001	0.01	0.80	1.0	<0.2	0.2	5.6	<0.01	0.03	4.1
JNL051 06+25W		0.10	36.8	380	24.0	4.1	<0.001	0.01	1.09	1.4	<0.2	0.2	7.1	<0.01	0.06	7.4
JNL051 06+75W A		<0.05	50.7	530	58.3	2.2	<0.001	<0.01	3.18	2.1	<0.2	<0.2	10.4	<0.01	0.05	11.4
JNL051 06+75W B		0.10	36.7	510	31.6	4.0	0.001	0.01	1.19	1.4	0.2	0.2	7.0	<0.01	0.05	7.4
JNL051 07+00W		0.15	10.3	610	12.0	2.8	<0.001	0.02	1.35	0.2	0.2	<0.2	3.5	<0.01	0.03	0.4
JNL052 00+00		0.17	43.9	620	84.0	4.7	<0.001	0.02	3.32	1.8	0.5	0.2	7.8	<0.01	0.08	5.6
JNL052 00+25E		0.21	35.2	920	53.0	5.5	<0.001	0.03	3.04	1.3	0.3	0.2	5.0	<0.01	0.07	3.7
JNL052 00+50E		0.09	42.5	580	77.9	4.6	<0.001	0.01	4.21	2.2	<0.2	0.2	8.6	<0.01	0.08	10.7
JNL052 00+75E		0.14	34.0	740	66.9	5.2	<0.001	0.02	3.13	1.4	0.2	<0.2	4.3	<0.01	0.06	5.9
JNL052 01+00E		<0.05	54.4	420	80.4	3.5	<0.001	0.01	3.67	1.8	0.2	<0.2	5.0	<0.01	0.14	10.4
JNL052 01+25E		0.05	48.4	630	29.3	4.3	<0.001	0.02	3.78	1.3	0.5	0.2	2.9	<0.01	0.09	6.0
JNL052 01+50E		0.29	66.1	900	48.1	5.3	0.002	0.05	4.27	1.5	0.4	0.3	19.9	<0.01	0.08	7.5
JNL052 01+75E		0.12	64.9	740	75.0	4.4	0.001	0.05	2.02	1.6	<0.2	0.2	10.8	<0.01	0.06	7.9
JNL052 02+00E		<0.05	46.3	530	26.2	3.3	0.001	0.02	4.85	1.7	0.2	<0.2	6.7	<0.01	0.10	6.8
JNL052 02+25E		0.05	39.3	440	28.1	4.2	<0.001	0.02	4.40	1.7	<0.2	0.2	4.8	<0.01	0.06	7.5
JNL052 02+50E		<0.05	51.2	350	99.6	2.9	<0.001	0.01	5.00	2.2	<0.2	<0.2	8.7	<0.01	0.06	11.8

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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	Au- AROR43 Au ppm 0.01
JNL051 00+00		<0.005	0.17	1.97	13	0.35	11.20	99	1.5	
JNL051 00+25W		<0.005	0.14	1.65	11	0.32	10.05	103	1.7	
JNL051 00+50W		0.007	0.06	0.70	13	0.06	3.67	71	1.4	
JNL051 00+75W		0.012	0.05	0.61	22	0.12	2.29	57	<0.5	
JNL051 01+00W		0.006	0.09	1.90	19	0.12	4.96	82	2.3	
JNL051 01+25W		0.006	0.09	2.67	17	0.08	4.08	86	2.3	
JNL051 01+50W		0.007	0.08	0.58	17	0.16	2.79	62	0.6	
JNL051 01+75W		0.006	0.08	0.64	17	0.29	3.02	83	1.0	
JNL051 02+00W		0.010	0.07	0.70	16	0.19	2.47	52	0.5	
JNL051 02+25W		0.007	0.05	0.82	15	0.09	3.34	98	1.1	
JNL051 02+50W		<0.005	0.08	1.39	16	0.10	4.42	92	2.2	
JNL051 02+75W		0.006	0.09	2.38	17	0.10	5.97	80	2.8	
JNL051 03+00W		0.006	0.08	1.91	16	0.12	5.92	77	2.1	
JNL051 03+25W		0.006	0.11	1.99	19	0.16	6.03	105	3.0	
JNL051 03+50W		0.008	0.09	1.24	18	0.18	4.78	111	2.6	
JNL051 03+75W		0.005	0.16	2.01	19	0.32	6.91	109	3.1	
JNL051 04+00W		<0.005	0.11	1.10	16	0.19	4.32	89	1.6	
JNL051 04+25W		<0.005	0.10	2.05	16	0.23	7.60	104	2.8	
JNL051 04+50W		<0.005	0.09	1.57	17	0.13	4.86	96	2.7	
JNL051 04+75W		<0.005	0.07	1.08	17	0.09	4.27	100	1.3	
JNL051 05+00W		0.005	0.07	0.66	19	0.12	1.99	56	0.6	
JNL051 05+25W		<0.005	0.03	0.94	15	0.06	3.59	85	1.4	
JNL051 05+50W		<0.005	0.07	1.68	18	0.06	8.65	83	1.2	
JNL051 05+75W		<0.005	0.04	2.95	17	<0.05	9.15	108	1.9	
JNL051 06+00W		<0.005	0.05	0.64	16	<0.05	2.24	63	0.7	
JNL051 06+25W		<0.005	0.04	1.04	17	<0.05	3.27	88	0.9	
JNL051 06+75W A		<0.005	0.04	1.75	14	<0.05	6.27	111	0.7	
JNL051 06+75W B		<0.005	0.03	0.77	17	<0.05	3.60	88	1.2	
JNL051 07+00W		0.005	0.03	0.55	10	0.05	1.32	30	0.6	
JNL052 00+00		0.006	0.05	2.07	17	0.07	5.66	153	1.5	
JNL052 00+25E		0.007	0.06	1.75	16	0.09	4.41	107	1.2	
JNL052 00+50E		<0.005	0.06	3.41	14	<0.05	9.35	147	1.2	
JNL052 00+75E		0.005	0.06	1.42	16	0.05	4.38	105	1.2	
JNL052 01+00E		<0.005	0.05	2.08	15	<0.05	5.32	143	1.6	
JNL052 01+25E		<0.005	0.06	2.04	12	<0.05	5.64	105	1.0	
JNL052 01+50E		<0.005	0.06	1.86	15	0.15	5.11	96	1.1	
JNL052 01+75E		<0.005	0.05	1.80	14	0.12	5.62	111	1.4	
JNL052 02+00E		<0.005	0.05	2.31	11	<0.05	6.85	106	0.7	
JNL052 02+25E		<0.005	0.07	2.93	9	<0.05	5.87	98	0.7	
JNL052 02+50E		<0.005	0.04	2.56	12	<0.05	7.65	146	1.2	

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SUITE 200
CRANBROOK BC V1C 2R7

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	WEI- 21 Recvd Wt. kg 0.02	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
JNL052 02+75E	0.55	0.0146	0.13	1.44	150.5	<0.02	<10	20	0.31	0.36	0.03	0.11	30.3	17.4	44
JNL052 03+00E	0.73	0.0079	0.22	1.61	84.7	<0.02	<10	30	0.53	0.45	0.03	0.13	32.2	20.1	28
JNL052 03+25E	0.66	0.0160	0.14	1.79	114.5	<0.02	<10	20	0.58	0.63	0.05	0.14	51.5	25.8	23
JNL052 03+50E	0.63	0.0046	0.12	2.00	40.9	<0.02	<10	20	0.50	0.45	0.05	0.14	53.4	24.1	28
JNL052 03+75E	0.82	0.0056	0.12	1.95	46.2	<0.02	<10	20	0.49	0.47	0.02	0.19	52.6	23.8	27
JNL052 04+00E	0.73	0.0090	0.12	2.13	36.3	<0.02	<10	30	0.49	0.43	0.05	0.12	47.3	19.7	28
JNL052 04+25E	0.67	>0.1000	0.25	1.28	324	0.16	<10	60	0.55	0.40	0.55	0.12	31.2	25.7	18
JNL052 04+50E	0.73	0.0054	0.10	1.53	53.0	<0.02	<10	40	0.47	0.48	0.19	0.10	41.1	15.5	23
JNL052 04+75E	0.81	0.0037	0.11	1.71	58.3	<0.02	<10	30	0.48	0.38	0.23	0.13	29.0	13.2	22
JNL052 05+00E	0.62	0.0031	0.16	1.22	51.0	<0.02	<10	40	0.45	0.36	0.20	0.12	19.80	8.7	17
JNL052 05+25E	0.79	0.0030	0.19	1.83	40.1	<0.02	<10	40	0.41	0.43	0.11	0.09	35.8	17.1	24
JNL052 05+50E	0.88	0.0241	0.18	1.49	96.2	0.03	<10	20	0.42	0.54	0.15	0.17	50.0	17.1	23
JNL052 05+75E	0.84	0.0068	0.10	1.81	44.9	<0.02	<10	40	0.44	0.42	0.07	0.13	43.5	13.5	25
JNL052 06+00E	1.06	0.0066	0.25	1.96	38.1	<0.02	<10	40	0.50	0.43	0.23	0.16	42.7	13.8	27
JNL052 06+25E	0.68	0.0032	0.15	1.77	36.0	<0.02	<10	40	0.34	0.41	0.35	0.08	31.9	11.1	23
JNL052 06+50E	0.79	0.0050	0.14	1.91	35.8	<0.02	<10	30	0.44	0.38	0.15	0.14	54.0	16.4	29
JNL052 06+75E	0.72	0.0029	0.10	1.85	21.3	<0.02	<10	40	0.42	0.33	0.19	0.08	44.0	12.8	27
JNL052 07+00E	1.14	0.0044	0.14	1.78	30.4	<0.02	<10	40	0.45	0.35	0.18	0.09	46.3	12.1	26
JNL052 07+25E	0.80	0.0179	0.22	1.88	40.3	<0.02	<10	40	0.50	0.45	0.21	0.14	46.0	13.2	28
JNL052 07+50E	Empty Bag														
JNL052 07+75E	0.77	0.0034	0.15	1.96	26.3	<0.02	<10	40	0.47	0.38	0.32	0.11	37.0	12.1	27
JNL052 08+00E	0.85	0.0315	0.14	2.14	52.0	<0.02	<10	50	0.61	0.44	0.09	0.12	51.2	15.4	30
JNL052 08+25E	0.72	0.0038	0.09	0.89	175.5	<0.02	<10	20	0.26	0.91	0.03	0.12	32.4	15.1	19
JNL052 08+50E	0.61	0.0031	0.04	0.65	49.2	<0.02	<10	20	0.24	0.38	0.02	0.06	25.4	4.9	10
JNL052 08+75E	0.65	0.0016	0.13	1.73	37.1	<0.02	<10	30	0.39	0.64	0.08	0.12	33.9	12.3	20
JNL052 09+00E	0.66	0.0028	0.27	0.63	88.6	<0.02	<10	30	0.46	0.43	0.42	0.21	35.1	15.5	11
JNL051 07+25W	0.87	0.0502	0.43	1.11	227	0.06	<10	30	0.54	0.58	0.01	0.31	45.5	25.0	15
JNL051 07+50W	0.64	0.0032	0.08	1.15	32.6	<0.02	<10	20	0.34	0.29	0.04	0.08	18.15	16.0	14
JNL051 07+75W	Empty Bag														
JNL051 08+00W	0.73	0.0096	0.14	1.71	80.1	<0.02	<10	20	0.53	0.57	0.04	0.12	34.1	17.3	23
JNL051 08+25W	0.69	0.0027	0.11	1.14	25.0	<0.02	<10	20	0.30	0.34	0.06	0.05	17.50	9.3	13
JNL051 08+50W	Empty Bag														
JNL051 08+75W	0.65	0.0022	0.07	1.82	59.5	<0.02	<10	40	0.56	0.44	0.07	0.16	27.2	19.3	21
JNL051 09+00W	0.66	0.0024	0.26	1.70	30.4	<0.02	<10	50	0.50	0.35	0.24	0.13	23.5	9.4	18
JNL051 09+25W	0.77	0.0008	0.14	1.37	11.6	<0.02	<10	40	0.27	0.27	0.03	0.09	23.3	5.5	16
JNL051 09+50W	0.93	0.0043	0.42	2.02	36.6	<0.02	<10	40	0.74	0.58	0.18	0.20	41.0	17.9	27
JNL051 09+75	0.57	0.0038	0.22	1.79	77.8	<0.02	<10	50	0.63	0.50	0.08	0.30	25.7	12.8	24
JNL051 10+00W	0.61	0.0065	0.18	1.77	70.8	<0.02	<10	50	0.64	0.49	0.18	0.19	28.3	14.7	22
JNL049 00+00	0.71	0.0041	0.24	0.59	100.5	<0.02	<10	30	0.45	0.48	0.62	0.26	35.6	16.8	13
JNL049 00+25W	0.58	0.0032	0.18	0.64	96.1	<0.02	<10	30	0.43	0.49	0.23	0.35	35.8	17.1	13

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL052 02+75E		1.30	32.2	3.76	4.55	0.05	0.03	0.06	0.032	0.05	16.3	29.7	0.44	608	3.55	<0.01
JNL052 03+00E		1.41	38.6	4.18	4.96	0.05	0.05	0.04	0.030	0.04	17.6	36.4	0.54	814	1.38	<0.01
JNL052 03+25E		1.39	58.5	4.93	5.59	0.09	0.03	0.03	0.036	0.03	28.5	45.5	0.67	768	0.69	<0.01
JNL052 03+50E		1.27	42.6	4.64	5.98	0.08	0.04	0.02	0.027	0.03	30.1	57.1	0.78	688	0.63	<0.01
JNL052 03+75E		1.24	46.2	4.63	6.18	0.08	0.02	0.01	0.024	0.02	30.2	58.6	0.77	657	0.53	<0.01
JNL052 04+00E		1.13	42.8	4.41	6.42	0.07	0.05	0.02	0.024	0.04	24.7	61.0	0.76	474	0.40	<0.01
JNL052 04+25E		2.36	37.5	4.81	3.81	0.05	0.08	0.03	0.028	0.05	17.4	27.9	0.34	1850	1.26	<0.01
JNL052 04+50E		4.19	33.7	3.96	5.00	0.06	0.08	0.02	0.032	0.04	22.4	37.8	0.51	366	0.84	<0.01
JNL052 04+75E		1.73	28.8	3.85	5.04	0.05	0.09	0.01	0.029	0.04	17.4	46.5	0.59	660	0.98	<0.01
JNL052 05+00E		1.49	23.2	2.95	4.13	<0.05	0.06	0.02	0.020	0.04	12.0	23.7	0.34	363	0.93	0.01
JNL052 05+25E		1.67	24.8	3.96	5.73	0.05	0.07	0.02	0.029	0.03	20.0	53.8	0.63	758	0.79	<0.01
JNL052 05+50E		1.48	42.5	4.18	4.71	0.08	0.04	0.02	0.028	0.03	28.7	45.5	0.54	506	0.98	<0.01
JNL052 05+75E		1.29	27.3	3.85	5.34	0.06	0.05	0.01	0.029	0.03	23.5	55.2	0.65	417	0.78	<0.01
JNL052 06+00E		1.71	30.3	3.95	5.40	0.06	0.07	0.02	0.030	0.04	25.1	64.2	0.70	362	0.74	<0.01
JNL052 06+25E		2.00	18.9	3.39	5.10	<0.05	0.05	0.02	0.026	0.04	18.1	53.8	0.61	301	0.86	<0.01
JNL052 06+50E		1.32	29.8	3.87	5.77	0.08	0.06	0.01	0.026	0.05	29.0	65.8	0.80	392	0.73	<0.01
JNL052 06+75E		1.32	25.6	3.52	5.58	0.07	0.06	0.01	0.018	0.06	24.7	59.5	0.76	306	0.55	<0.01
JNL052 07+00E		1.42	26.1	3.51	5.33	0.08	0.06	0.01	0.023	0.06	25.7	57.7	0.70	308	0.66	<0.01
JNL052 07+25E		1.79	26.2	3.69	5.35	0.06	0.08	0.02	0.031	0.06	26.1	59.0	0.72	350	0.84	<0.01
JNL052 07+50E																
JNL052 07+75E		1.56	22.8	3.57	5.56	0.06	0.07	0.02	0.025	0.05	21.1	62.7	0.74	316	0.64	<0.01
JNL052 08+00E		1.53	29.6	4.07	6.20	0.07	0.06	0.02	0.029	0.07	27.0	67.7	0.80	374	0.58	<0.01
JNL052 08+25E		1.39	33.5	4.68	4.59	0.05	<0.02	0.02	0.034	0.04	17.7	15.0	0.22	378	1.07	<0.01
JNL052 08+50E		1.29	12.1	2.39	2.51	<0.05	<0.02	0.01	0.031	0.03	13.8	5.8	0.06	157	0.59	<0.01
JNL052 08+75E		0.65	28.9	4.63	4.20	0.05	0.06	0.04	0.051	0.03	14.5	30.6	0.42	350	0.57	<0.01
JNL052 09+00E		0.79	34.6	3.57	1.92	0.06	0.04	0.07	0.039	0.02	19.2	7.9	0.10	335	0.55	<0.01
JNL051 07+25W		1.63	56.2	4.97	3.17	0.06	0.02	0.03	0.054	0.04	24.8	21.4	0.32	1260	1.13	<0.01
JNL051 07+50W		0.90	33.3	2.66	3.77	0.05	0.02	0.02	0.016	0.03	10.0	24.8	0.35	540	0.57	0.01
JNL051 07+75W																
JNL051 08+00W		1.92	45.5	4.62	4.89	0.06	0.03	0.02	0.029	0.04	19.4	40.7	0.62	458	0.76	<0.01
JNL051 08+25W		1.50	26.5	2.45	3.60	<0.05	0.02	0.02	0.013	0.03	10.2	22.6	0.33	233	0.58	0.01
JNL051 08+50W																
JNL051 08+75W		1.70	39.4	3.33	5.02	0.05	0.07	0.02	0.037	0.04	14.9	42.5	0.53	547	0.62	0.01
JNL051 09+00W		2.36	28.2	2.90	4.84	<0.05	0.05	0.02	0.032	0.04	13.1	36.9	0.45	269	0.48	0.01
JNL051 09+25W		1.13	14.9	2.17	4.47	<0.05	0.03	0.03	0.018	0.03	12.7	26.4	0.33	244	0.50	0.01
JNL051 09+50W		3.15	51.9	4.00	5.68	0.07	0.09	0.02	0.039	0.04	23.2	61.4	0.74	321	1.00	<0.01
JNL051 09+75		3.42	38.4	3.74	5.19	<0.05	0.11	0.01	0.064	0.04	14.0	39.5	0.51	442	0.94	<0.01
JNL051 10+00W		2.99	42.2	3.75	5.12	0.05	0.06	0.02	0.053	0.04	16.2	39.2	0.51	448	0.98	0.01
JNL049 00+00		0.71	38.4	3.83	1.84	0.07	0.04	0.08	0.044	0.03	19.2	8.0	0.12	409	0.62	<0.01
JNL049 00+25W		0.70	33.2	3.88	1.98	0.06	0.04	0.07	0.042	0.03	18.6	9.3	0.14	437	0.62	<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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL052 02+75E		0.17	50.2	860	35.3	5.1	0.001	0.04	2.68	1.4	0.3	0.2	4.7	<0.01	0.07	4.6
JNL052 03+00E		0.08	38.7	750	53.6	4.3	0.001	0.04	2.76	1.3	0.2	<0.2	4.7	<0.01	0.05	4.7
JNL052 03+25E		<0.05	43.9	580	58.5	4.0	<0.001	0.01	4.50	1.8	0.2	0.2	9.1	<0.01	0.07	8.8
JNL052 03+50E		0.06	43.5	410	67.7	3.4	<0.001	0.01	2.54	1.7	0.3	<0.2	6.6	<0.01	0.06	10.0
JNL052 03+75E		0.06	44.7	300	69.1	3.2	<0.001	<0.01	2.70	1.7	0.2	<0.2	4.9	<0.01	0.06	10.0
JNL052 04+00E		0.18	43.0	480	40.5	5.3	0.001	0.01	1.54	1.6	0.2	0.2	7.5	<0.01	0.06	7.8
JNL052 04+25E		0.12	38.8	930	35.6	7.1	0.001	0.04	5.38	1.8	0.7	0.2	45.6	<0.01	0.05	3.7
JNL052 04+50E		0.28	35.2	510	26.7	6.2	<0.001	0.02	2.35	1.7	0.2	0.3	27.0	<0.01	0.06	6.5
JNL052 04+75E		0.19	30.2	620	33.0	6.4	<0.001	0.03	1.88	1.3	0.2	0.2	22.7	<0.01	0.04	4.8
JNL052 05+00E		0.27	20.1	1250	21.6	5.3	<0.001	0.07	1.66	0.9	0.2	0.2	20.9	<0.01	0.05	1.9
JNL052 05+25E		0.19	31.3	610	36.8	6.3	<0.001	0.02	1.44	1.4	0.2	0.2	15.8	<0.01	0.04	4.9
JNL052 05+50E		0.14	36.6	610	38.8	4.9	<0.001	0.02	2.44	1.8	0.4	0.2	18.9	<0.01	0.04	6.0
JNL052 05+75E		0.18	34.1	510	31.4	5.4	<0.001	0.02	1.30	1.6	0.2	0.2	12.0	<0.01	0.05	5.8
JNL052 06+00E		0.15	39.0	550	29.0	6.5	<0.001	0.02	1.03	2.0	0.4	0.2	27.2	<0.01	0.04	7.2
JNL052 06+25E		0.21	30.3	560	27.2	6.6	<0.001	0.03	0.88	1.3	0.2	0.2	33.5	<0.01	0.03	4.7
JNL052 06+50E		0.23	37.6	390	30.7	5.3	<0.001	0.01	0.87	2.0	<0.2	0.2	19.9	<0.01	0.05	9.3
JNL052 06+75E		0.32	33.8	390	20.5	6.1	<0.001	0.02	0.65	1.7	<0.2	0.2	22.3	<0.01	0.02	8.0
JNL052 07+00E		0.26	34.0	400	21.1	6.1	<0.001	0.01	0.81	1.8	<0.2	0.3	20.7	<0.01	0.03	8.5
JNL052 07+25E		0.24	34.9	410	26.4	7.1	<0.001	0.02	0.83	2.0	0.3	0.3	25.3	<0.01	0.03	8.6
JNL052 07+50E																
JNL052 07+75E		0.32	33.6	460	22.3	6.7	<0.001	0.02	0.66	1.6	0.3	0.2	31.7	<0.01	0.03	6.5
JNL052 08+00E		0.36	38.2	440	31.1	8.7	<0.001	0.01	0.78	1.9	<0.2	0.3	17.3	<0.01	0.04	8.6
JNL052 08+25E		0.42	29.1	700	47.6	5.6	<0.001	0.02	3.96	1.0	0.4	0.5	16.9	<0.01	0.08	1.0
JNL052 08+50E		0.26	11.2	500	27.3	6.3	<0.001	0.01	2.79	0.5	0.2	0.5	22.0	<0.01	0.04	0.8
JNL052 08+75E		0.36	25.8	630	58.6	5.0	<0.001	0.04	1.20	1.8	0.4	0.2	9.6	<0.01	0.06	6.3
JNL052 09+00E		0.14	36.2	790	35.5	3.2	<0.001	0.04	3.13	2.6	0.6	0.3	50.1	<0.01	0.05	3.7
JNL051 07+25W		0.05	41.9	450	184.5	4.1	<0.001	0.02	6.34	1.6	0.2	0.2	5.5	<0.01	0.08	7.6
JNL051 07+50W		0.14	23.0	520	34.3	2.6	<0.001	0.02	1.61	0.5	0.2	<0.2	6.7	<0.01	0.04	0.9
JNL051 07+75W																
JNL051 08+00W		0.10	33.8	610	32.7	4.1	<0.001	0.03	3.19	1.2	0.3	0.2	8.3	<0.01	0.07	7.0
JNL051 08+25W		0.16	19.1	560	21.2	3.4	<0.001	0.04	1.80	0.5	0.3	<0.2	9.5	<0.01	0.04	1.6
JNL051 08+50W																
JNL051 08+75W		0.30	28.0	650	46.5	5.7	<0.001	0.03	1.39	1.3	<0.2	0.2	10.0	0.01	0.06	3.7
JNL051 09+00W		0.21	24.2	780	34.5	6.1	<0.001	0.04	1.21	0.9	0.3	0.2	28.7	<0.01	0.03	1.7
JNL051 09+25W		0.23	15.8	830	16.1	5.2	<0.001	0.04	0.70	0.3	<0.2	0.2	5.8	<0.01	0.03	0.7
JNL051 09+50W		0.09	40.1	580	50.2	5.2	<0.001	0.05	1.56	2.4	0.4	0.2	24.5	<0.01	0.06	6.8
JNL051 09+75		0.24	28.8	850	63.5	8.4	<0.001	0.05	2.25	1.5	<0.2	0.3	13.5	<0.01	0.07	4.0
JNL051 10+00W		0.26	29.7	630	54.6	7.1	<0.001	0.04	2.17	1.4	0.2	0.3	27.1	<0.01	0.05	3.8
JNL049 00+00		0.10	40.0	730	41.2	3.0	<0.001	0.03	3.91	3.1	0.7	0.3	56.5	<0.01	0.06	5.4
JNL049 00+25W		0.10	38.1	810	41.9	3.5	<0.001	0.03	3.51	2.8	0.4	0.3	37.6	<0.01	0.05	4.2

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL052 02+75E		<0.005	0.05	1.16	13	0.11	4.27	89	0.9	
JNL052 03+00E		<0.005	0.05	1.31	13	0.05	4.28	103	1.4	
JNL052 03+25E		<0.005	0.05	1.26	13	<0.05	5.42	115	1.1	
JNL052 03+50E		<0.005	0.03	0.89	14	<0.05	4.15	122	1.4	
JNL052 03+75E		<0.005	0.02	0.98	14	<0.05	4.05	140	1.1	
JNL052 04+00E		<0.005	0.03	0.74	17	0.05	3.65	100	1.4	
JNL052 04+25E		<0.005	0.09	2.40	13	0.11	8.29	88	2.4	0.14
JNL052 04+50E		<0.005	0.04	1.65	16	0.17	4.81	101	2.4	
JNL052 04+75E		<0.005	0.04	1.29	15	0.07	4.35	92	2.6	
JNL052 05+00E		0.006	0.06	1.93	15	0.10	4.63	64	1.8	
JNL052 05+25E		<0.005	0.06	1.44	16	0.08	3.59	97	1.9	
JNL052 05+50E		<0.005	0.06	1.98	16	0.07	6.57	100	0.9	
JNL052 05+75E		<0.005	0.06	2.16	16	0.06	4.93	97	1.5	
JNL052 06+00E		<0.005	0.06	3.58	16	0.08	7.78	111	2.6	
JNL052 06+25E		<0.005	0.06	1.65	15	0.08	3.39	93	1.6	
JNL052 06+50E		0.009	0.05	2.23	18	0.09	5.94	98	2.1	
JNL052 06+75E		0.009	0.06	1.62	17	0.09	4.76	83	1.9	
JNL052 07+00E		0.007	0.06	2.31	16	0.08	5.43	85	1.9	
JNL052 07+25E		0.006	0.08	3.74	17	0.09	6.56	95	2.6	
JNL052 07+50E										
JNL052 07+75E		0.006	0.05	2.43	17	0.06	4.90	90	2.3	
JNL052 08+00E		0.009	0.08	1.47	19	0.08	4.67	99	2.1	
JNL052 08+25E		0.010	0.17	1.06	24	0.25	3.54	90	<0.5	
JNL052 08+50E		0.005	0.20	0.80	14	0.31	2.15	44	<0.5	
JNL052 08+75E		<0.005	0.06	0.82	14	0.09	4.45	75	1.9	
JNL052 09+00E		<0.005	0.12	2.80	11	0.36	10.05	87	1.2	
JNL051 07+25W		<0.005	0.06	2.64	9	<0.05	6.32	226	0.7	
JNL051 07+50W		0.009	0.03	0.96	13	<0.05	3.08	63	0.6	
JNL051 07+75W										
JNL051 08+00W		<0.005	0.05	1.22	14	<0.05	3.40	98	0.9	
JNL051 08+25W		0.005	0.03	0.80	10	<0.05	2.55	51	0.9	
JNL051 08+50W										
JNL051 08+75W		0.007	0.05	3.36	15	0.06	4.17	98	2.2	
JNL051 09+00W		0.005	0.06	2.53	16	<0.05	4.98	91	1.4	
JNL051 09+25W		0.005	0.06	0.56	14	0.05	1.73	51	1.0	
JNL051 09+50W		<0.005	0.04	8.44	15	<0.05	9.72	140	2.6	
JNL051 09+75		<0.005	0.06	2.27	16	0.06	5.90	127	3.3	
JNL051 10+00W		<0.005	0.07	2.49	16	0.05	8.31	110	1.7	
JNL049 00+00		<0.005	0.15	1.96	12	0.37	10.10	106	1.3	
JNL049 00+25W		<0.005	0.14	2.14	12	0.35	9.82	117	1.5	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	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
Method 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
LOD	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
JNL049 00+50W	0.59	0.0029	0.16	0.69	91.6	<0.02	<10	30	0.46	0.39	0.27	0.31	38.9	14.1	13
JNL049 00+75W	0.73	0.0028	0.19	0.62	87.1	<0.02	<10	30	0.41	0.42	0.37	0.20	35.6	15.5	12
JNL049 01+00W	0.49	0.0020	0.11	0.81	26.1	<0.02	<10	30	0.24	0.23	0.28	0.04	12.05	3.6	6
JNL049 01+25W	0.57	0.0124	0.18	1.66	46.1	<0.02	<10	50	0.47	0.48	0.32	0.21	46.0	12.2	25
JNL049 01+50W	0.65	0.0019	0.07	1.50	46.0	<0.02	<10	50	0.44	0.62	0.24	0.31	39.8	15.2	21
JNL049 01+75W	0.65	0.0023	0.09	1.40	45.5	<0.02	<10	50	0.49	0.54	0.14	0.39	41.0	16.4	19
JNL049 02+00W	0.72	0.0048	0.42	1.40	57.7	<0.02	<10	30	0.56	0.69	0.21	0.39	36.8	17.5	18
JNL049 02+25W	0.65	0.0032	0.13	1.41	41.6	<0.02	<10	30	0.53	0.48	0.15	0.32	44.0	15.8	20
JNL049 02+50W	0.61	0.0022	0.07	1.29	57.4	<0.02	<10	30	0.34	0.72	0.20	0.26	38.5	13.0	20
JNL049 02+75W	0.50	0.0011	0.08	1.41	39.4	<0.02	<10	30	0.43	0.62	0.23	0.38	30.6	15.3	20
JNL049 03+00W	0.68	0.0016	0.14	1.48	43.6	<0.02	<10	50	0.54	0.57	0.29	0.45	37.0	17.4	17
JNL049 03+25W	0.70	0.0024	0.06	1.10	134.0	<0.02	<10	50	0.27	0.94	0.04	0.16	34.9	13.7	16
JNL049 03+50W	0.53	0.0016	0.21	0.95	77.9	<0.02	<10	50	0.32	0.47	0.30	0.11	24.9	10.1	11
JNL049 03+75W	0.66	0.0022	0.07	1.49	107.0	<0.02	<10	30	0.49	0.98	0.26	0.22	40.5	19.0	22
JNL049 04+00W	0.66	0.0108	0.15	1.60	112.5	0.02	<10	50	0.51	0.46	0.17	0.07	54.4	15.9	24
JNL049 04+25W	0.85	0.0049	0.18	1.71	394	<0.02	<10	40	0.98	1.06	0.23	0.29	117.5	35.4	22
JNL049 04+50W	0.47	0.0011	0.39	0.61	20.8	<0.02	<10	20	0.18	0.16	0.04	0.06	11.10	2.2	7
JNL049 04+75W	0.70	0.0008	0.03	1.01	36.3	<0.02	<10	40	0.12	0.27	0.08	0.21	35.2	4.2	18
JNL048 00+00	0.47	0.0027	0.19	0.68	93.7	<0.02	<10	30	0.41	0.44	0.60	0.31	38.1	15.5	13
JNL048 00+25W	0.57	0.0028	0.20	0.76	82.9	<0.02	<10	40	0.41	0.50	0.47	0.54	30.9	13.9	11
JNL048 00+50W	0.68	0.0034	0.29	0.55	90.0	<0.02	<10	20	0.50	0.51	0.32	0.38	47.8	18.1	12
JNL048 00+75W	0.54	0.0018	0.20	0.60	128.0	<0.02	<10	30	0.49	0.55	0.46	0.23	44.1	18.9	14
JNL048 01+00W	0.63	0.0014	0.23	0.56	104.0	<0.02	<10	20	0.51	0.52	1.20	0.31	41.4	18.0	14
JNL048 01+25W	0.75	0.0030	0.22	0.70	76.6	<0.02	<10	20	0.48	0.55	0.29	0.19	40.2	15.1	15
JNL048 01+50W	0.85	0.0024	0.16	1.22	43.8	<0.02	<10	50	0.49	0.50	0.37	0.17	31.5	9.9	17
JNL048 01+75W	0.64	0.0052	0.18	1.76	119.5	<0.02	<10	40	0.59	0.60	0.30	0.19	61.2	18.3	29
JNL048 02+00W	0.62	0.0151	0.09	1.49	251	0.02	<10	80	0.59	0.49	0.20	0.10	45.6	13.5	22
JNL048 02+25W	0.59	0.0054	0.08	1.71	76.0	<0.02	<10	60	0.40	0.56	0.21	0.11	37.5	9.5	25
JNL048 02+50W	0.64	0.0061	0.13	1.90	89.7	<0.02	<10	70	0.60	0.53	0.22	0.13	38.3	13.0	25
JNL048 02+75W	0.65	0.0010	0.05	1.52	31.7	<0.02	<10	50	0.52	0.57	0.38	0.29	36.4	15.5	21
JNL048 03+00W	0.50	0.0015	0.10	0.95	39.2	<0.02	<10	40	0.32	0.29	0.29	0.17	23.1	9.2	13
JNL048 03+25W	0.57	0.0018	0.04	1.50	49.2	<0.02	<10	30	0.29	0.59	0.04	0.16	32.3	13.8	21
JNL048 03+50W	0.60	0.0009	0.05	0.95	57.0	<0.02	<10	30	0.22	0.61	0.24	0.11	31.9	9.6	14
JNL048 03+75W	0.68	0.0017	0.04	1.07	92.8	<0.02	<10	50	0.27	0.46	0.30	0.11	35.6	12.7	18
JNL048 04+00W	0.77	0.0047	0.07	1.53	88.3	<0.02	<10	50	0.41	0.39	0.19	0.10	44.2	11.3	23
JNL048 04+25W	0.70	0.0056	0.07	1.51	117.0	<0.02	<10	40	0.36	0.41	0.12	0.07	44.6	12.3	25
JNL048 04+50W	0.61	>0.1000	0.10	0.91	1255	0.58	<10	40	0.26	0.86	0.10	0.08	45.6	6.0	17
JNL048 04+75W	0.61	0.0199	0.26	1.78	549	0.04	<10	70	0.66	0.79	0.31	0.20	54.6	19.3	26
JNL048 05+00W	0.45	0.0116	0.40	1.71	420	<0.02	<10	90	0.78	0.61	0.57	0.07	29.3	14.3	17
JNL048 05+25W	0.40	0.0092	0.24	1.58	101.5	0.02	<10	60	0.53	0.61	0.60	0.09	33.5	13.2	22

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL049 00+50W		0.77	28.0	3.94	1.78	0.06	0.03	0.06	0.047	0.02	19.2	5.8	0.08	399	0.61	<0.01
JNL049 00+75W		0.82	29.0	3.84	1.77	0.06	0.04	0.05	0.046	0.02	17.9	6.4	0.13	382	0.61	<0.01
JNL049 01+00W		0.72	10.4	1.23	2.77	<0.05	0.04	0.01	0.013	0.02	7.0	8.9	0.13	144	0.44	0.02
JNL049 01+25W		1.17	25.1	3.73	4.78	0.06	0.06	0.01	0.034	0.05	25.4	44.4	0.63	375	0.80	<0.01
JNL049 01+50W		1.50	34.1	4.23	5.20	0.07	0.02	0.01	0.041	0.05	20.3	31.7	0.72	771	0.89	<0.01
JNL049 01+75W		0.94	30.9	3.96	4.49	0.06	0.04	0.01	0.041	0.04	19.0	30.8	0.55	966	0.76	<0.01
JNL049 02+00W		1.10	40.3	3.80	3.92	0.05	0.04	0.04	0.049	0.05	19.4	30.7	0.49	732	0.63	<0.01
JNL049 02+25W		0.76	37.0	3.85	3.88	0.07	0.05	0.02	0.034	0.03	21.7	37.5	0.57	592	0.48	<0.01
JNL049 02+50W		1.13	26.2	4.09	5.51	0.05	0.03	0.01	0.059	0.04	19.3	29.3	0.49	562	0.86	<0.01
JNL049 02+75W		0.84	21.9	4.82	5.75	0.06	0.02	0.02	0.046	0.04	13.2	30.6	0.56	842	0.72	<0.01
JNL049 03+00W		0.92	29.1	3.93	4.63	0.05	0.04	0.03	0.046	0.04	18.9	30.5	0.44	1200	0.58	<0.01
JNL049 03+25W		0.66	23.9	4.57	5.44	0.05	0.02	0.02	0.036	0.03	16.2	19.7	0.33	907	0.57	<0.01
JNL049 03+50W		0.73	16.5	2.53	3.97	<0.05	0.02	0.01	0.031	0.03	12.9	16.7	0.27	471	0.57	0.01
JNL049 03+75W		0.79	33.8	4.84	4.87	0.07	0.05	0.01	0.055	0.04	20.7	42.1	0.65	787	0.75	<0.01
JNL049 04+00W		1.79	31.9	3.89	4.97	0.07	0.07	0.02	0.031	0.04	33.0	45.4	0.59	423	0.55	<0.01
JNL049 04+25W		4.12	58.2	5.34	5.18	0.14	0.06	0.02	0.060	0.05	55.8	50.0	0.63	1020	0.49	<0.01
JNL049 04+50W		1.30	11.1	1.31	2.77	<0.05	<0.02	0.02	0.009	0.02	6.3	7.7	0.12	80	0.59	0.01
JNL049 04+75W		1.49	9.0	2.40	5.94	0.05	<0.02	0.01	0.010	0.03	18.5	22.0	0.32	86	0.44	<0.01
JNL048 00+00		0.55	35.0	3.57	2.16	0.05	0.04	0.04	0.032	0.03	20.5	12.2	0.19	380	0.51	0.01
JNL048 00+25W		0.75	30.3	3.22	2.24	0.05	0.05	0.05	0.034	0.03	16.0	9.5	0.13	428	0.49	0.01
JNL048 00+50W		0.87	36.7	3.99	1.81	0.06	0.05	0.08	0.052	0.03	24.2	7.5	0.11	581	0.68	<0.01
JNL048 00+75W		0.93	37.3	4.25	2.10	0.08	0.05	0.07	0.040	0.03	23.4	11.5	0.20	486	0.54	<0.01
JNL048 01+00W		0.92	40.6	4.18	1.98	0.07	0.03	0.07	0.040	0.03	22.4	10.4	0.19	419	0.55	<0.01
JNL048 01+25W		1.04	38.5	3.42	2.36	0.06	0.04	0.06	0.040	0.03	21.8	14.9	0.20	208	0.70	<0.01
JNL048 01+50W		1.21	27.5	3.01	3.80	<0.05	0.07	0.02	0.031	0.05	16.2	23.6	0.39	439	0.61	<0.01
JNL048 01+75W		1.91	41.8	4.77	5.45	0.08	0.09	0.01	0.034	0.05	30.7	45.3	0.67	570	0.57	<0.01
JNL048 02+00W		1.81	27.3	3.73	4.97	0.06	0.03	0.02	0.030	0.05	23.3	28.7	0.40	346	0.55	<0.01
JNL048 02+25W		1.66	20.9	3.69	5.96	0.05	0.07	0.02	0.035	0.07	20.5	44.0	0.56	321	0.64	<0.01
JNL048 02+50W		1.63	26.1	3.73	5.82	0.05	0.11	0.02	0.037	0.07	21.4	48.1	0.59	358	0.57	<0.01
JNL048 02+75W		0.91	26.8	4.22	4.99	0.05	0.05	0.01	0.040	0.05	17.3	36.8	0.73	850	0.75	<0.01
JNL048 03+00W		0.91	12.2	2.81	3.51	<0.05	0.02	0.01	0.032	0.03	12.4	22.2	0.31	829	0.48	<0.01
JNL048 03+25W		0.93	19.2	5.36	5.28	0.05	0.02	0.02	0.038	0.03	14.9	34.4	0.49	728	0.74	<0.01
JNL048 03+50W		1.04	15.1	3.59	5.69	<0.05	<0.02	0.01	0.026	0.04	16.4	17.9	0.32	470	0.74	<0.01
JNL048 03+75W		1.72	16.6	3.37	4.50	0.05	0.04	0.01	0.028	0.04	18.3	23.9	0.41	811	0.74	<0.01
JNL048 04+00W		1.32	21.6	3.73	4.56	0.06	0.06	0.01	0.024	0.04	25.8	42.6	0.57	523	0.44	<0.01
JNL048 04+25W		1.22	22.7	4.04	5.02	0.06	0.04	0.01	0.024	0.03	26.7	46.4	0.60	386	0.51	<0.01
JNL048 04+50W		2.97	70.3	3.08	4.61	0.05	<0.02	0.03	0.021	0.05	22.8	18.3	0.26	208	0.74	<0.01
JNL048 04+75W		2.65	38.6	5.11	5.28	0.08	0.08	0.03	0.076	0.05	33.2	45.2	0.61	763	0.60	<0.01
JNL048 05+00W		3.17	32.9	3.49	4.59	0.05	0.07	0.04	0.041	0.05	18.5	29.5	0.29	747	0.81	0.01
JNL048 05+25W		1.86	30.5	3.83	4.96	<0.05	0.05	0.03	0.032	0.04	19.1	40.9	0.48	420	0.75	0.01

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL049 00+50W		0.11	36.1	910	40.4	3.3	<0.001	0.04	4.05	3.1	0.5	0.3	39.9	<0.01	0.06	3.4
JNL049 00+75W		0.10	34.6	850	44.4	3.4	<0.001	0.03	3.98	2.6	0.4	0.3	46.1	<0.01	0.06	3.6
JNL049 01+00W		0.46	7.6	460	14.3	2.7	<0.001	0.05	0.43	0.7	0.2	0.2	26.3	0.01	0.02	0.8
JNL049 01+25W		0.29	33.6	620	27.8	7.2	<0.001	0.02	0.94	2.5	0.2	0.3	56.0	<0.01	0.03	6.9
JNL049 01+50W		0.25	29.3	840	54.6	7.6	<0.001	0.02	1.72	1.8	0.3	0.2	28.0	<0.01	0.04	5.6
JNL049 01+75W		0.22	27.1	750	58.2	6.1	<0.001	0.02	1.49	2.0	<0.2	0.2	17.1	<0.01	0.03	5.9
JNL049 02+00W		0.20	29.6	780	70.2	4.8	<0.001	0.03	1.81	2.3	0.7	0.2	20.6	<0.01	0.04	5.0
JNL049 02+25W		0.23	31.4	810	48.4	4.1	<0.001	0.02	1.48	2.3	0.3	0.2	13.5	<0.01	0.02	9.7
JNL049 02+50W		0.31	24.0	500	62.4	6.5	<0.001	0.03	1.90	1.5	0.2	0.3	22.3	<0.01	0.04	6.1
JNL049 02+75W		0.45	23.2	890	64.3	6.9	<0.001	0.04	1.55	1.2	<0.2	0.2	22.1	0.01	0.05	3.4
JNL049 03+00W		0.28	25.0	850	66.2	7.3	<0.001	0.05	1.75	2.2	0.2	0.2	29.2	0.01	0.04	4.4
JNL049 03+25W		0.29	21.9	770	98.8	4.5	<0.001	0.04	2.37	1.3	0.2	0.2	6.2	<0.01	0.04	4.1
JNL049 03+50W		0.30	14.9	610	64.5	5.5	0.001	0.04	1.21	0.8	0.2	0.2	27.4	<0.01	0.03	1.5
JNL049 03+75W		0.11	32.7	830	78.0	4.8	<0.001	0.02	2.27	2.0	0.3	<0.2	27.0	<0.01	0.06	8.8
JNL049 04+00W		0.27	32.2	390	32.7	5.8	<0.001	0.02	1.55	2.3	0.3	0.3	28.2	<0.01	0.05	8.8
JNL049 04+25W		0.11	53.1	800	85.6	4.2	0.001	0.02	2.39	2.6	0.4	0.3	27.8	<0.01	0.06	12.9
JNL049 04+50W		0.32	5.5	640	16.8	3.4	<0.001	0.05	0.44	0.4	0.4	0.2	6.7	<0.01	0.02	0.3
JNL049 04+75W		0.44	13.8	380	7.7	7.0	0.001	0.03	0.48	1.0	0.2	0.3	14.4	<0.01	0.02	3.9
JNL048 00+00		0.15	36.3	630	35.7	2.5	<0.001	0.04	2.88	2.5	0.4	0.2	45.0	<0.01	0.04	4.8
JNL048 00+25W		0.21	31.4	780	34.5	3.6	<0.001	0.05	2.74	2.3	0.5	0.3	44.1	<0.01	0.04	2.9
JNL048 00+50W		0.08	43.0	840	43.1	3.8	<0.001	0.04	4.26	4.6	0.5	0.3	56.4	<0.01	0.05	5.7
JNL048 00+75W		0.17	43.2	630	35.5	3.6	0.001	0.07	3.70	3.0	0.7	0.3	56.6	<0.01	0.05	8.4
JNL048 01+00W		0.14	43.8	710	37.5	3.2	<0.001	0.05	4.17	3.3	0.6	0.3	71.1	<0.01	0.06	8.2
JNL048 01+25W		0.19	36.1	700	37.9	3.9	0.001	0.07	3.34	3.1	0.5	0.3	45.4	<0.01	0.05	8.1
JNL048 01+50W		0.21	24.2	870	30.3	7.2	<0.001	0.05	1.26	1.9	0.4	0.3	47.9	<0.01	0.03	4.0
JNL048 01+75W		0.16	43.6	530	35.2	5.3	<0.001	0.04	1.41	3.2	0.2	0.4	32.4	<0.01	0.03	10.2
JNL048 02+00W		0.95	34.5	720	28.4	6.6	<0.001	0.03	1.31	1.9	0.3	0.4	32.7	<0.01	0.03	3.4
JNL048 02+25W		0.35	26.9	600	31.6	9.4	<0.001	0.03	0.88	1.7	0.3	0.5	27.5	<0.01	0.04	5.6
JNL048 02+50W		0.39	30.4	570	38.6	9.3	<0.001	0.04	0.93	1.9	0.3	0.5	30.3	<0.01	0.03	6.1
JNL048 02+75W		0.23	27.1	770	48.4	7.3	<0.001	0.03	1.37	2.0	0.4	0.2	37.7	<0.01	0.03	7.2
JNL048 03+00W		0.36	14.2	750	79.9	6.1	<0.001	0.03	1.03	1.1	<0.2	0.2	30.9	<0.01	0.01	2.0
JNL048 03+25W		0.50	23.8	720	65.6	7.1	<0.001	0.03	1.48	1.3	0.3	0.3	5.5	<0.01	0.04	3.7
JNL048 03+50W		0.39	17.0	580	40.8	8.1	0.001	0.03	1.38	0.8	<0.2	0.4	24.8	<0.01	0.04	1.6
JNL048 03+75W		0.52	20.4	580	35.3	7.5	0.001	0.04	1.61	1.5	0.3	0.3	31.6	0.01	0.04	4.0
JNL048 04+00W		0.22	28.9	370	25.4	6.0	<0.001	0.03	1.02	1.7	0.4	0.2	24.2	<0.01	0.04	8.7
JNL048 04+25W		0.31	30.9	310	19.9	5.2	<0.001	0.02	1.04	1.6	0.3	0.3	16.6	<0.01	0.02	6.6
JNL048 04+50W		0.44	32.6	430	20.0	8.6	0.002	0.03	1.19	1.2	0.4	14.9	14.8	<0.01	0.09	4.0
JNL048 04+75W		0.29	39.0	650	48.3	7.4	0.001	0.05	1.86	2.7	0.4	0.4	40.2	<0.01	0.05	6.2
JNL048 05+00W		0.46	23.2	1250	41.5	8.2	<0.001	0.09	1.09	1.8	0.7	0.5	71.2	<0.01	0.03	2.7
JNL048 05+25W		0.31	29.3	760	34.9	6.7	<0.001	0.06	1.11	1.7	0.5	0.3	73.6	<0.01	0.05	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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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	Au- AROR43 Au ppm 0.01
JNL049 00+50W		<0.005	0.15	2.00	13	0.38	11.65	111	1.1	
JNL049 00+75W		<0.005	0.16	2.19	12	0.40	8.94	99	1.2	
JNL049 01+00W		0.014	0.04	2.22	9	0.06	3.92	21	1.4	
JNL049 01+25W		0.005	0.07	1.96	17	0.59	7.95	110	2.1	
JNL049 01+50W		<0.005	0.08	0.78	16	0.07	4.36	110	0.6	
JNL049 01+75W		<0.005	0.08	0.79	14	0.16	5.77	98	1.3	
JNL049 02+00W		0.006	0.08	1.10	12	0.23	10.30	113	1.0	
JNL049 02+25W		0.005	0.04	0.75	12	0.29	6.88	107	1.6	
JNL049 02+50W		0.006	0.06	0.83	18	0.12	3.31	107	0.9	
JNL049 02+75W		0.009	0.05	0.78	17	0.07	3.13	94	0.6	
JNL049 03+00W		0.006	0.06	1.09	13	0.08	11.90	100	1.3	
JNL049 03+25W		0.005	0.06	0.66	17	0.07	3.06	77	0.8	
JNL049 03+50W		0.007	0.06	0.56	12	0.09	4.09	58	0.6	
JNL049 03+75W		<0.005	0.05	0.85	13	<0.05	4.71	140	1.8	
JNL049 04+00W		0.005	0.06	2.70	17	0.18	8.58	83	2.2	
JNL049 04+25W		<0.005	0.07	2.62	14	0.06	17.50	140	2.2	
JNL049 04+50W		0.011	0.04	0.89	9	0.06	1.55	20	<0.5	
JNL049 04+75W		0.009	0.07	0.48	20	0.11	1.71	42	<0.5	
JNL048 00+00		0.005	0.10	1.45	12	0.27	8.90	91	1.4	
JNL048 00+25W		0.007	0.14	1.42	11	0.28	8.38	111	1.7	
JNL048 00+50W		<0.005	0.21	2.09	13	0.44	14.40	119	1.6	
JNL048 00+75W		0.005	0.15	1.43	13	0.32	9.91	97	1.5	
JNL048 01+00W		<0.005	0.16	1.81	12	0.30	10.50	109	1.1	
JNL048 01+25W		0.005	0.13	2.11	13	0.27	9.96	103	1.5	
JNL048 01+50W		<0.005	0.07	1.32	12	0.12	6.81	79	2.2	
JNL048 01+75W		<0.005	0.07	1.57	17	0.07	10.75	109	2.7	
JNL048 02+00W		0.011	0.09	1.05	22	0.07	5.16	72	0.9	
JNL048 02+25W		0.006	0.10	0.90	20	0.18	3.59	87	2.0	
JNL048 02+50W		0.007	0.11	1.75	19	0.16	5.59	94	3.4	
JNL048 02+75W		0.005	0.06	0.74	15	0.10	4.31	102	1.7	
JNL048 03+00W		0.011	0.05	0.66	14	0.08	4.18	89	0.5	
JNL048 03+25W		0.009	0.06	0.65	17	0.11	2.63	92	0.6	
JNL048 03+50W		0.012	0.06	0.57	20	0.15	2.31	64	<0.5	
JNL048 03+75W		0.013	0.06	0.72	18	0.13	3.43	81	1.2	
JNL048 04+00W		0.005	0.06	1.27	15	0.16	5.60	87	1.9	
JNL048 04+25W		0.007	0.05	1.05	18	0.10	5.30	88	1.3	
JNL048 04+50W		0.011	0.08	0.71	21	0.19	2.89	57	<0.5	0.65
JNL048 04+75W		0.007	0.10	3.46	19	0.13	14.55	107	2.3	
JNL048 05+00W		0.008	0.12	4.11	17	0.12	11.35	79	2.0	
JNL048 05+25W		0.005	0.08	2.78	16	0.09	6.66	91	1.7	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL048 05+50W		0.59	0.0054	0.19	1.61	82.0	<0.02	<10	50	0.55	0.56	0.33	0.17	41.1	15.7	24
JNL047 02+75E		0.90	0.0021	0.14	1.99	18.7	<0.02	<10	30	0.37	0.30	0.19	0.12	50.5	13.9	30
JNL047 03+00E		0.61	0.0032	0.13	1.74	28.2	<0.02	<10	30	0.43	0.33	0.14	0.13	36.3	13.8	25
JNL047 03+25E		0.51	0.0024	0.10	1.37	25.2	<0.02	<10	30	0.25	0.29	0.04	0.21	20.6	7.3	18
JNL047 03+50E		0.47	0.0037	0.10	1.60	37.1	<0.02	<10	40	0.37	0.36	0.02	0.09	21.3	8.6	20
JNL047 03+75E		0.51	0.0052	0.26	1.43	35.5	<0.02	<10	50	0.51	0.30	0.22	0.05	18.75	10.2	16
JNL053 00+00		0.51	0.0010	0.08	1.95	17.2	<0.02	<10	70	1.14	0.37	4.57	0.05	55.9	11.0	22
JNL053 00+25W		0.64	0.0005	0.06	1.54	11.4	<0.02	<10	80	1.19	0.26	2.28	0.05	60.9	9.7	17
JNL053 00+50W		0.55	0.0036	0.14	2.45	112.5	<0.02	<10	70	1.24	1.73	0.32	0.10	59.5	13.2	26
JNL053 00+75W		0.56	0.0037	0.23	2.13	119.0	<0.02	<10	50	1.30	1.89	0.63	0.11	80.7	14.2	25
JNL053 01+00W		0.65	0.0257	0.18	1.71	105.5	0.02	<10	40	1.24	17.40	0.62	0.04	127.5	12.2	35
JNL021 00+25E		0.53	0.0116	0.25	2.50	325	<0.02	<10	60	1.32	20.9	0.61	0.10	67.3	19.6	32
JNL021 00+50E		Empty Bag														
JNL021 00+75E		0.65	0.0030	0.17	1.25	427	<0.02	<10	50	0.95	2.18	0.40	0.08	93.4	16.7	22
JNL019 00+00		Empty Bag														
JNL019 00+25E		0.55	0.0030	0.22	1.64	185.0	<0.02	<10	70	1.09	18.00	0.38	0.13	64.0	13.9	20
JNL019 00+50E		0.62	0.0173	0.26	1.72	179.5	0.02	<10	50	1.23	36.3	0.51	0.08	105.0	12.9	21
JNL019 00+75E		0.67	0.0026	0.16	1.21	97.5	<0.02	<10	50	0.69	3.86	0.15	0.12	47.8	37.3	19
JNL019 00+25W		0.63	0.0140	0.34	1.63	218	0.02	<10	50	1.13	26.4	0.21	0.14	47.8	14.5	24
JNL019 00+50W		0.64	0.0005	0.09	1.91	16.5	<0.02	<10	80	1.27	1.07	1.18	0.07	58.5	6.5	21
JNL046 00+00		0.75	0.0019	0.19	0.70	123.0	<0.02	<10	30	0.54	0.51	1.00	0.26	43.2	18.5	16
JNL046 00+25W		0.66	0.0029	0.18	0.68	96.7	<0.02	<10	20	0.43	0.46	1.17	0.26	38.2	16.2	15
JNL046 00+50W		0.67	0.0022	0.21	0.83	50.8	<0.02	<10	30	0.57	0.47	0.43	0.26	44.1	13.6	15
JNL046 00+75W		0.79	0.0030	0.17	0.89	70.7	<0.02	<10	40	0.51	0.37	0.26	0.12	36.9	12.4	13
JNL046 01+00W		0.65	0.0015	0.17	1.00	24.3	<0.02	<10	40	0.29	0.32	0.05	0.13	24.5	6.5	10
JNL046 01+25W		0.68	0.0017	0.17	1.67	26.6	<0.02	<10	60	0.61	0.41	0.05	0.23	47.0	12.3	20
JNL046 01+50W		0.57	0.0021	0.18	1.52	20.8	<0.02	<10	70	0.48	0.32	0.57	0.10	21.5	8.6	15
JNL046 01+75W		0.74	0.0023	0.06	1.62	32.0	<0.02	<10	60	0.60	0.45	0.07	0.13	55.3	13.3	23
JNL046 02+00W		0.74	0.0020	0.16	1.50	32.5	<0.02	<10	50	0.53	0.45	0.28	0.22	38.1	14.0	19
JNL046 02+25W		0.39	0.0001	0.06	0.20	2.0	<0.02	<10	10	<0.05	0.04	0.03	0.03	4.73	0.8	3
JNL046 02+50W		0.64	0.0005	0.14	0.85	12.5	<0.02	<10	50	0.20	0.26	0.09	0.09	26.2	3.6	9
JNL046 02+75W		0.64	0.0013	0.13	1.50	27.3	<0.02	<10	30	0.26	0.52	0.04	0.10	29.4	11.7	20
JNL046 03+00W		0.76	0.0015	0.09	1.61	21.5	<0.02	<10	30	0.49	0.39	0.08	0.22	34.2	13.2	20
JNL046 03+25W		0.71	0.0018	0.14	1.66	43.2	<0.02	<10	30	0.47	0.58	0.08	0.27	36.1	18.2	21
JNL047 00+00		0.63	0.0010	0.03	1.96	16.6	<0.02	<10	40	0.46	0.36	0.13	0.11	27.9	13.9	30
JNL047 00+25E		0.73	0.0011	0.07	2.14	18.4	<0.02	<10	20	0.37	0.39	0.03	0.09	30.9	17.0	32
JNL047 00+50E		0.63	0.0009	0.04	1.86	16.3	<0.02	<10	30	0.32	0.38	0.01	0.09	33.1	9.6	26
JNL047 00+75E		0.69	0.0009	0.06	2.16	17.6	<0.02	<10	30	0.25	0.37	0.01	0.05	33.6	9.9	29
JNL047 01+00E		0.66	0.0013	0.06	1.92	20.6	<0.02	<10	20	0.29	0.40	0.01	0.06	39.3	11.7	26
JNL047 01+25E		0.57	0.0016	0.22	1.76	16.2	<0.02	<10	30	0.35	0.37	0.05	0.08	37.4	10.3	23

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CRANBROOK BC V1C 2R7

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL048 05+50W		1.53	37.8	4.08	5.16	0.06	0.06	0.02	0.034	0.04	23.7	44.4	0.53	506	0.84	<0.01
JNL047 02+75E		0.70	26.1	4.12	6.18	0.07	0.07	0.01	0.019	0.03	28.0	68.5	0.83	424	0.61	<0.01
JNL047 03+00E		1.09	23.5	3.66	5.22	0.07	0.07	0.01	0.029	0.03	19.2	60.4	0.67	437	0.56	<0.01
JNL047 03+25E		1.33	15.9	2.75	4.36	0.05	0.06	0.02	0.028	0.02	11.3	40.5	0.45	225	0.45	<0.01
JNL047 03+50E		1.94	21.5	3.15	4.75	0.05	0.05	0.02	0.031	0.03	12.4	43.4	0.50	236	0.47	<0.01
JNL047 03+75E		1.63	26.7	2.60	4.26	0.05	0.04	0.02	0.022	0.04	12.4	33.3	0.41	335	0.50	0.01
JNL053 00+00		1.49	15.7	2.56	6.10	0.11	0.07	0.05	0.038	0.16	26.0	25.5	2.03	434	0.73	<0.01
JNL053 00+25W		0.90	12.4	2.38	4.56	0.09	0.09	0.03	0.035	0.11	28.7	20.4	1.47	812	0.52	<0.01
JNL053 00+50W		4.64	32.8	3.42	7.02	0.08	0.04	0.02	0.086	0.13	23.8	37.5	0.80	528	0.38	<0.01
JNL053 00+75W		4.59	37.6	3.57	6.04	0.10	0.06	0.03	0.089	0.11	34.7	35.5	0.90	536	0.39	<0.01
JNL053 01+00W		11.35	24.2	2.95	6.33	0.10	0.03	0.02	0.212	0.15	27.4	25.8	0.58	441	0.54	<0.01
JNL021 00+25E		11.20	89.4	4.06	8.36	0.08	0.04	0.03	0.200	0.16	24.3	43.2	0.73	607	0.42	0.01
JNL021 00+50E																
JNL021 00+75E		4.91	157.0	5.01	4.00	0.12	0.06	0.03	0.151	0.10	34.4	15.7	0.41	372	0.67	<0.01
JNL019 00+00																
JNL019 00+25E		6.92	42.3	2.90	5.42	0.07	0.05	0.03	0.142	0.09	21.1	20.0	0.59	1040	0.77	<0.01
JNL019 00+50E		2.88	44.8	2.93	5.15	0.12	0.05	0.03	0.103	0.11	39.9	25.0	1.21	558	0.50	<0.01
JNL019 00+75E		10.65	79.3	5.61	4.49	0.08	0.02	0.02	0.096	0.14	22.3	28.4	0.46	1300	1.35	<0.01
JNL019 00+25W		9.17	56.8	3.64	6.25	0.07	<0.02	0.03	0.210	0.12	21.7	29.0	0.41	672	0.75	<0.01
JNL019 00+50W		1.38	11.8	2.36	5.81	0.08	0.12	0.04	0.048	0.14	32.0	24.3	1.77	344	0.33	<0.01
JNL046 00+00		1.02	39.7	4.16	2.41	0.08	0.04	0.06	0.038	0.04	23.6	14.1	0.27	382	0.49	<0.01
JNL046 00+25W		1.25	32.6	3.61	2.25	0.07	0.05	0.06	0.034	0.04	20.9	13.0	0.26	458	0.50	<0.01
JNL046 00+50W		0.96	42.9	2.81	2.70	0.07	0.06	0.06	0.037	0.03	23.4	15.1	0.30	157	0.48	<0.01
JNL046 00+75W		0.87	28.9	3.19	2.70	0.06	0.05	0.05	0.034	0.03	19.8	14.1	0.27	305	0.49	<0.01
JNL046 01+00W		0.88	14.9	2.07	4.12	<0.05	0.02	0.03	0.018	0.04	12.5	12.9	0.21	263	0.43	0.01
JNL046 01+25W		1.11	22.8	3.80	4.75	0.07	0.04	0.02	0.027	0.04	21.1	31.4	0.57	696	0.53	<0.01
JNL046 01+50W		1.55	22.6	2.32	4.30	0.05	0.08	0.03	0.019	0.04	14.2	31.9	0.41	257	0.36	0.01
JNL046 01+75W		1.03	25.2	3.63	4.97	0.09	0.04	0.02	0.025	0.05	27.9	37.7	0.62	452	0.56	<0.01
JNL046 02+00W		0.86	29.3	3.69	4.45	0.07	0.06	0.01	0.034	0.04	18.5	35.2	0.63	656	0.55	<0.01
JNL046 02+25W		0.19	1.7	0.33	0.96	<0.05	<0.02	0.01	0.005	0.02	2.4	1.3	0.03	34	0.14	0.01
JNL046 02+50W		0.76	7.4	1.67	3.41	<0.05	<0.02	0.02	0.012	0.03	13.7	12.4	0.18	179	0.40	<0.01
JNL046 02+75W		0.88	22.2	4.90	5.05	0.05	0.04	0.03	0.036	0.03	14.0	22.2	0.43	620	0.68	<0.01
JNL046 03+00W		0.61	29.4	3.95	4.43	0.07	0.08	0.01	0.031	0.02	17.4	38.5	0.63	363	0.59	<0.01
JNL046 03+25W		0.62	40.2	4.81	4.54	0.06	0.04	0.02	0.042	0.03	17.6	35.0	0.57	903	0.48	<0.01
JNL047 00+00		0.92	27.4	4.12	5.83	0.05	0.05	0.01	0.030	0.03	15.5	58.7	0.73	431	0.84	<0.01
JNL047 00+25E		1.06	32.4	4.12	6.16	0.06	0.08	0.01	0.023	0.03	17.4	66.9	0.82	561	0.55	<0.01
JNL047 00+50E		0.91	28.7	4.12	5.90	0.06	0.05	0.01	0.024	0.03	18.6	52.2	0.66	283	0.47	<0.01
JNL047 00+75E		1.78	31.6	4.03	6.80	0.05	0.05	0.01	0.023	0.03	19.9	61.5	0.74	353	0.74	<0.01
JNL047 01+00E		0.74	26.0	4.38	6.11	0.06	0.05	0.02	0.022	0.03	21.9	52.3	0.68	395	0.48	<0.01
JNL047 01+25E		0.80	26.8	4.08	5.18	0.06	0.08	0.03	0.026	0.04	19.3	36.4	0.48	366	0.38	<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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL048 05+50W		0.23	34.0	620	35.9	6.0	<0.001	0.03	1.26	1.9	0.5	0.3	42.7	<0.01	0.03	7.1
JNL047 02+75E		0.11	37.6	430	26.7	3.0	<0.001	0.01	0.65	1.8	<0.2	<0.2	20.3	<0.01	0.03	9.4
JNL047 03+00E		0.11	34.6	430	29.7	4.2	<0.001	0.02	0.96	1.7	0.2	<0.2	18.0	<0.01	0.03	7.1
JNL047 03+25E		0.21	21.6	460	27.5	4.5	<0.001	0.03	0.82	1.1	0.3	0.2	8.2	<0.01	0.03	3.7
JNL047 03+50E		0.20	23.5	500	31.4	4.7	<0.001	0.04	0.99	1.2	0.3	0.2	5.8	<0.01	0.03	4.2
JNL047 03+75E		0.20	20.8	550	31.0	5.6	<0.001	0.04	0.87	0.9	0.2	0.2	21.7	<0.01	0.03	2.5
JNL053 00+00		0.29	19.0	1420	15.1	13.7	<0.001	0.04	0.77	2.9	0.2	0.6	218	<0.01	0.02	2.6
JNL053 00+25W		0.18	14.6	1630	14.8	11.6	<0.001	0.06	0.44	2.8	0.4	0.3	123.5	<0.01	0.01	2.2
JNL053 00+50W		1.00	31.1	580	24.0	21.1	<0.001	0.03	2.27	2.8	0.2	2.5	29.0	<0.01	0.04	5.1
JNL053 00+75W		0.73	33.5	530	24.2	17.2	<0.001	0.04	2.20	3.9	0.3	2.3	49.0	<0.01	0.03	8.3
JNL053 01+00W		0.85	52.5	580	10.1	33.3	<0.001	0.03	2.04	5.9	0.2	13.7	38.7	<0.01	0.43	8.3
JNL021 00+25E		1.15	46.5	450	20.6	31.3	<0.001	0.04	2.40	4.2	0.2	8.1	35.7	<0.01	0.26	8.4
JNL021 00+50E																
JNL021 00+75E		0.41	35.7	480	15.8	17.2	<0.001	0.04	3.11	7.4	0.3	2.6	30.9	<0.01	0.11	8.6
JNL019 00+00																
JNL019 00+25E		0.54	22.7	1170	17.1	29.4	<0.001	0.07	1.33	2.3	0.4	3.6	31.3	<0.01	0.12	3.0
JNL019 00+50E		0.30	24.8	790	16.7	16.7	<0.001	0.04	0.93	4.1	0.2	2.2	36.7	<0.01	0.17	4.6
JNL019 00+75E		0.43	61.1	670	56.5	27.8	<0.001	0.05	2.40	1.4	0.2	1.5	17.0	<0.01	0.08	5.1
JNL019 00+25W		0.58	32.0	780	18.1	28.9	<0.001	0.06	2.18	1.3	0.3	4.5	21.1	<0.01	0.41	1.3
JNL019 00+50W		0.22	15.5	1580	12.4	21.2	<0.001	0.05	0.30	3.8	0.3	1.0	76.8	<0.01	0.02	3.1
JNL046 00+00		0.20	42.6	620	32.9	3.7	<0.001	0.05	2.97	3.2	0.5	0.3	58.9	<0.01	0.06	7.2
JNL046 00+25W		0.18	36.7	710	29.5	4.4	<0.001	0.06	2.43	2.9	0.8	0.3	68.5	<0.01	0.04	6.3
JNL046 00+50W		0.18	35.0	700	37.3	3.9	<0.001	0.04	2.20	3.3	0.4	0.3	42.5	<0.01	0.04	7.4
JNL046 00+75W		0.24	26.6	620	30.6	3.8	<0.001	0.03	1.94	2.3	0.5	0.3	32.9	<0.01	0.04	4.6
JNL046 01+00W		0.37	11.8	620	22.6	7.2	<0.001	0.04	0.71	0.6	0.3	0.2	6.4	<0.01	0.03	1.5
JNL046 01+25W		0.31	23.6	480	27.6	6.3	<0.001	0.02	0.83	2.0	0.3	0.3	8.9	<0.01	0.03	5.9
JNL046 01+50W		0.44	20.1	560	19.4	6.3	<0.001	0.07	0.46	1.4	0.4	0.2	50.7	0.01	0.02	2.1
JNL046 01+75W		0.32	28.4	360	26.5	6.5	<0.001	0.01	0.78	2.1	0.2	0.3	11.6	<0.01	0.03	8.2
JNL046 02+00W		0.22	29.4	640	38.5	5.6	<0.001	0.02	0.97	2.3	<0.2	0.2	27.5	<0.01	0.03	6.8
JNL046 02+25W		0.11	2.0	320	4.5	1.5	<0.001	0.02	0.10	0.2	<0.2	<0.2	4.6	<0.01	0.01	<0.2
JNL046 02+50W		0.39	8.6	450	13.0	7.7	<0.001	0.02	0.46	0.6	<0.2	0.2	9.3	<0.01	0.02	1.7
JNL046 02+75W		0.38	20.6	820	52.7	8.8	<0.001	0.04	1.41	1.1	0.5	0.2	7.5	<0.01	0.03	4.2
JNL046 03+00W		0.10	31.7	570	32.7	4.2	<0.001	0.02	1.21	1.7	0.2	<0.2	12.6	<0.01	0.03	7.3
JNL046 03+25W		0.13	30.0	690	78.8	6.1	<0.001	0.03	1.87	1.7	0.3	<0.2	9.4	<0.01	0.05	6.9
JNL047 00+00		0.11	36.7	610	31.9	4.5	<0.001	0.02	0.91	1.2	<0.2	<0.2	14.0	<0.01	0.04	4.1
JNL047 00+25E		0.13	36.4	530	35.7	4.2	<0.001	0.02	0.79	1.4	<0.2	<0.2	4.9	<0.01	0.05	5.3
JNL047 00+50E		0.16	30.2	480	24.6	4.9	<0.001	0.02	0.96	1.1	0.2	<0.2	3.5	<0.01	0.04	4.3
JNL047 00+75E		0.13	30.8	490	29.7	5.2	<0.001	0.02	0.83	1.2	0.3	0.2	4.3	<0.01	0.04	4.3
JNL047 01+00E		0.12	31.2	390	26.6	4.5	<0.001	0.02	1.01	1.2	0.2	<0.2	3.5	<0.01	0.04	5.5
JNL047 01+25E		0.17	28.0	640	36.5	4.7	<0.001	0.03	1.31	1.3	0.2	<0.2	6.2	<0.01	0.03	5.2

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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	Au- AROR43 Au ppm 0.01
JNL048 05+50W		<0.005	0.08	3.87	17	0.09	6.97	101	2.0	
JNL047 02+75E		<0.005	0.03	1.95	16	<0.05	4.96	99	2.7	
JNL047 03+00E		<0.005	0.04	2.03	14	0.06	5.26	101	2.4	
JNL047 03+25E		<0.005	0.04	1.06	12	0.05	2.48	73	1.9	
JNL047 03+50E		<0.005	0.05	2.36	13	<0.05	3.68	79	1.8	
JNL047 03+75E		<0.005	0.06	1.35	12	0.05	5.19	59	1.1	
JNL053 00+00		0.008	0.11	0.54	17	0.07	12.00	60	2.4	
JNL053 00+25W		<0.005	0.08	0.45	13	<0.05	12.85	46	2.6	
JNL053 00+50W		0.023	0.22	0.81	23	0.22	8.34	70	1.2	
JNL053 00+75W		0.015	0.19	0.85	20	0.12	12.40	74	1.9	
JNL053 01+00W		0.019	0.41	1.26	46	0.05	11.95	60	1.0	
JNL021 00+25E		0.029	0.25	0.94	32	0.21	8.46	75	1.3	
JNL021 00+50E										
JNL021 00+75E		0.008	0.71	1.23	37	0.14	12.55	51	1.7	
JNL019 00+00										
JNL019 00+25E		0.011	0.20	0.87	20	0.15	8.57	51	1.5	
JNL019 00+50E		0.007	0.16	0.64	17	0.08	16.00	56	1.7	
JNL019 00+75E		0.013	0.16	1.16	17	0.12	5.78	106	0.6	
JNL019 00+25W		0.013	0.23	1.07	25	0.47	6.16	67	<0.5	
JNL019 00+50W		0.005	0.14	0.47	16	<0.05	15.30	47	3.1	
JNL046 00+00		0.006	0.14	1.40	14	0.25	10.65	105	1.4	
JNL046 00+25W		0.005	0.12	1.77	13	0.24	9.97	103	1.6	
JNL046 00+50W		<0.005	0.14	1.49	13	0.26	10.65	105	1.9	
JNL046 00+75W		0.006	0.11	1.65	13	0.20	8.56	79	1.6	
JNL046 01+00W		0.008	0.06	0.49	13	0.15	2.26	43	0.5	
JNL046 01+25W		0.005	0.10	0.72	17	0.29	5.83	70	1.1	
JNL046 01+50W		0.008	0.07	2.13	12	0.54	7.84	61	2.7	
JNL046 01+75W		0.007	0.06	0.83	17	0.24	5.78	82	1.4	
JNL046 02+00W		<0.005	0.06	0.82	13	0.22	8.01	96	1.8	
JNL046 02+25W		0.007	<0.02	0.17	5	<0.05	0.44	8	<0.5	
JNL046 02+50W		0.007	0.06	0.39	11	0.10	2.48	35	<0.5	
JNL046 02+75W		0.005	0.06	0.56	15	<0.05	2.34	73	1.2	
JNL046 03+00W		<0.005	0.04	0.60	12	<0.05	4.31	108	2.4	
JNL046 03+25W		<0.005	0.05	0.82	11	<0.05	4.56	136	1.5	
JNL047 00+00		<0.005	0.04	0.61	15	<0.05	3.02	105	1.6	
JNL047 00+25E		<0.005	0.03	0.71	17	0.08	3.09	107	2.7	
JNL047 00+50E		<0.005	0.04	0.62	15	<0.05	2.52	89	1.5	
JNL047 00+75E		<0.005	0.04	0.61	18	<0.05	2.33	90	1.4	
JNL047 01+00E		<0.005	0.03	0.57	15	<0.05	2.43	84	1.5	
JNL047 01+25E		<0.005	0.04	0.60	14	<0.05	3.34	79	2.4	

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL047 01+50E		0.49	0.0003	0.06	0.80	10.3	<0.02	<10	20	0.14	0.26	0.02	0.05	16.50	5.4	12
JNL047 01+75E		0.64	0.0008	0.11	1.88	22.1	<0.02	<10	40	0.47	0.37	0.14	0.09	34.2	9.9	23
JNL047 02+00E		0.58	0.0011	0.05	1.83	19.2	<0.02	<10	30	0.22	0.41	0.02	0.08	32.0	7.4	25
JNL047 02+25E		0.61	0.0019	0.09	1.97	26.9	<0.02	<10	60	0.64	0.50	0.17	0.08	27.9	14.5	28
JNL047 02+50E		Empty Bag														
JNL047 04+00E		0.47	0.0028	0.29	0.97	19.9	<0.02	<10	40	0.26	0.31	0.06	0.06	18.15	5.1	13
JNL047 04+25E		0.60	0.0026	0.27	1.12	23.0	<0.02	<10	40	0.32	0.36	0.08	0.08	19.65	5.4	14
JNL047 04+50E		0.55	0.0029	0.21	0.81	24.5	<0.02	<10	20	0.16	0.26	0.06	0.04	17.45	4.0	13
JNL047 04+75E		0.65	0.0043	0.04	1.82	47.6	<0.02	<10	30	0.29	0.40	0.16	0.03	59.7	11.4	29
JNL047 05+00E		0.54	0.0045	0.07	1.32	89.2	<0.02	<10	40	0.33	0.48	0.30	0.19	29.3	11.7	20
JNL047 05+25E		0.68	0.0013	0.06	1.53	25.0	<0.02	<10	40	0.44	0.37	0.18	0.12	26.2	9.1	18
JNL047 05+50E		0.69	0.0012	0.05	1.74	31.7	<0.02	<10	30	0.39	0.52	0.04	0.15	29.8	11.8	21
JNL047 05+75E		0.67	0.0008	0.10	1.10	24.9	<0.02	<10	40	0.24	0.41	0.08	0.13	27.3	10.5	17
JNL047 06+00E		0.60	0.0013	0.07	1.31	63.0	<0.02	<10	30	0.25	0.60	0.03	0.12	26.9	9.2	18
JNL047 06+25E		0.60	0.0023	0.24	1.61	50.0	<0.02	<10	40	0.53	0.66	0.21	0.40	30.3	19.3	21
JNL047 06+50E		0.77	0.0025	0.19	1.51	56.3	<0.02	<10	40	0.51	0.46	0.28	0.37	36.1	13.2	20
JNL047 06+75E		Empty Bag														
JNL047 07+00E		0.79	0.0022	0.07	1.38	19.6	<0.02	<10	70	0.32	0.45	0.10	0.06	33.4	6.2	17
JNL047 07+25E		0.68	0.0014	0.05	0.97	31.6	<0.02	<10	20	0.21	0.46	0.04	0.09	33.7	9.2	14
JNL047 07+50E		0.59	0.0009	0.09	0.80	24.9	<0.02	<10	60	0.24	0.32	0.09	0.13	25.6	6.9	9
JNL047 07+75E		0.56	0.0031	0.15	0.68	39.5	<0.02	<10	30	0.38	0.34	0.78	0.32	28.4	12.2	11
JNL047 08+00E		0.66	0.0031	0.19	0.79	78.2	<0.02	<10	20	0.41	0.42	1.02	0.25	34.1	13.0	16
JNL047 08+25E		0.54	0.0039	0.22	0.80	76.9	<0.02	<10	30	0.45	0.51	0.58	0.29	35.2	15.8	16
JNL047 08+50E		0.73	0.0019	0.17	0.59	115.5	<0.02	<10	30	0.41	0.46	1.48	0.23	34.6	16.1	14
JNL050 00+00		0.68	0.0031	0.22	0.61	108.5	<0.02	<10	30	0.42	0.44	0.99	0.28	34.1	15.8	12
JNL050 00+25W		0.71	0.0037	0.21	0.64	95.5	<0.02	<10	30	0.39	0.46	0.26	0.21	32.0	16.4	12
JNL050 00+50W		0.63	0.0038	0.28	0.54	94.0	<0.02	<10	30	0.46	0.44	0.47	0.27	33.5	17.1	11
JNL050 00+75W		0.63	0.0019	0.15	1.13	37.6	<0.02	<10	30	0.32	0.44	0.08	0.22	25.9	15.3	13
JNL050 01+00W		0.64	0.0032	0.11	1.82	39.0	<0.02	<10	50	0.55	0.67	0.10	0.20	43.9	17.7	23
JNL050 01+25W		0.81	0.0090	0.14	1.65	71.5	<0.02	<10	50	0.45	0.47	0.19	0.21	34.9	14.3	23
JNL050 01+50W		0.95	0.0064	0.27	1.07	76.9	<0.02	<10	50	0.45	0.56	0.38	0.42	39.4	19.1	19
JNL050 01+75W		0.78	0.0009	0.18	1.64	37.0	<0.02	<10	40	0.37	0.51	0.08	0.34	34.6	13.3	22
JNL050 02+00W		0.63	0.0011	0.11	1.34	45.7	<0.02	<10	30	0.28	0.56	0.04	0.21	26.2	12.7	18
JNL050 02+25W		0.69	0.0042	0.16	1.64	60.9	<0.02	<10	60	0.48	0.48	0.22	0.12	32.4	13.1	21
JNL050 02+50W		0.63	0.0011	0.10	1.19	77.0	<0.02	<10	20	0.25	0.71	0.04	0.15	29.8	15.2	17
JNL050 02+75W		0.65	0.0071	0.13	1.82	69.3	<0.02	<10	60	0.60	0.56	0.39	0.11	32.1	14.9	25
JNL050 03+00W		0.68	0.0067	0.16	1.75	112.0	<0.02	<10	60	0.58	0.53	0.37	0.18	31.5	14.1	24
JNL050 03+25W		0.52	0.0028	0.15	0.93	81.7	<0.02	<10	30	0.21	0.56	0.26	0.27	23.7	8.4	15
JNL050 03+50W		0.52	0.0029	0.08	1.34	143.0	<0.02	<10	80	0.37	0.69	0.40	0.77	36.3	21.2	19
JNL050 03+75W		0.57	0.0055	0.22	1.59	124.5	<0.02	<10	50	0.48	1.03	0.21	0.12	45.8	18.8	21

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL047 01+50E		0.92	13.9	1.64	3.11	<0.05	0.02	0.01	0.013	0.02	8.6	18.4	0.21	337	0.54	<0.01
JNL047 01+75E		0.92	23.2	3.87	5.37	0.05	0.06	0.01	0.028	0.04	17.3	56.5	0.60	293	0.47	<0.01
JNL047 02+00E		0.84	19.5	3.97	5.89	0.06	0.06	0.02	0.021	0.03	17.5	51.1	0.62	251	0.43	<0.01
JNL047 02+25E		1.78	41.7	4.01	5.41	0.05	0.14	0.01	0.031	0.04	15.7	59.6	0.68	560	0.69	<0.01
JNL047 02+50E																
JNL047 04+00E		1.12	17.2	1.86	3.30	<0.05	0.04	0.01	0.018	0.04	10.3	21.1	0.25	191	0.55	0.01
JNL047 04+25E		1.23	20.3	2.07	3.66	<0.05	0.05	0.01	0.023	0.04	11.3	26.4	0.30	169	0.61	<0.01
JNL047 04+50E		0.89	14.0	1.78	2.93	<0.05	0.02	0.02	0.013	0.03	10.0	21.4	0.26	128	0.47	<0.01
JNL047 04+75E		1.30	25.7	4.46	5.32	0.08	0.03	<0.01	0.021	0.02	33.9	60.8	0.75	353	0.41	<0.01
JNL047 05+00E		1.40	20.7	3.58	4.46	<0.05	0.06	0.01	0.025	0.03	16.0	35.7	0.47	642	0.90	<0.01
JNL047 05+25E		0.74	15.7	3.61	4.21	<0.05	0.04	0.01	0.027	0.02	12.9	37.3	0.50	325	0.57	<0.01
JNL047 05+50E		0.73	27.1	4.82	4.59	0.05	0.05	0.02	0.032	0.02	14.6	37.7	0.53	372	0.71	<0.01
JNL047 05+75E		0.69	10.2	3.55	4.39	0.05	0.02	0.01	0.027	0.03	12.4	21.9	0.31	1560	0.60	<0.01
JNL047 06+00E		0.73	20.4	4.50	4.72	0.05	0.02	0.02	0.037	0.02	13.3	23.4	0.38	445	0.66	<0.01
JNL047 06+25E		0.68	38.3	4.84	4.02	0.06	0.06	0.03	0.048	0.03	12.8	35.0	0.62	1060	0.68	<0.01
JNL047 06+50E		1.96	28.2	3.56	4.53	0.06	0.05	0.02	0.031	0.03	21.1	41.7	0.60	531	0.63	<0.01
JNL047 06+75E																
JNL047 07+00E		1.32	10.8	2.84	5.16	0.05	<0.02	0.01	0.020	0.04	17.2	24.6	0.40	251	0.60	<0.01
JNL047 07+25E		1.05	16.4	3.45	4.55	0.05	0.02	0.02	0.020	0.03	16.4	14.6	0.27	498	0.49	<0.01
JNL047 07+50E		0.78	12.1	2.20	3.95	<0.05	0.02	0.02	0.017	0.03	12.9	8.9	0.19	400	0.45	<0.01
JNL047 07+75E		0.72	27.4	2.26	1.99	0.06	0.04	0.03	0.037	0.03	15.1	11.5	0.27	199	0.39	0.01
JNL047 08+00E		0.78	31.1	3.44	2.47	0.07	0.06	0.03	0.033	0.03	18.4	15.0	0.31	262	0.41	<0.01
JNL047 08+25E		0.92	39.6	3.05	2.54	0.06	0.05	0.05	0.039	0.03	19.1	15.8	0.25	171	0.51	<0.01
JNL047 08+50E		0.81	37.4	3.86	1.98	0.07	0.04	0.04	0.036	0.03	18.5	10.5	0.26	430	0.45	<0.01
JNL050 00+00		0.62	37.2	3.77	1.88	0.07	0.05	0.06	0.038	0.02	18.8	8.2	0.19	347	0.45	<0.01
JNL050 00+25W		0.64	36.6	3.62	1.89	0.05	0.05	0.04	0.037	0.02	16.8	7.6	0.12	407	0.50	<0.01
JNL050 00+50W		0.50	40.3	4.09	1.53	0.07	0.04	0.07	0.045	0.02	18.6	4.4	0.08	421	0.59	<0.01
JNL050 00+75W		0.65	27.2	3.04	3.42	0.05	0.03	0.05	0.037	0.03	11.2	18.2	0.35	892	0.40	<0.01
JNL050 01+00W		1.11	32.9	4.30	4.91	0.07	0.07	0.02	0.037	0.05	20.6	38.6	0.65	775	0.54	<0.01
JNL050 01+25W		1.34	24.2	3.66	4.92	0.06	0.08	0.02	0.031	0.05	18.3	45.2	0.61	698	1.03	<0.01
JNL050 01+50W		1.02	44.5	4.10	3.31	0.08	0.04	0.02	0.041	0.04	21.3	25.0	0.44	731	0.87	<0.01
JNL050 01+75W		0.76	22.0	5.14	4.97	0.06	0.04	0.03	0.046	0.03	14.7	28.0	0.60	1110	0.70	<0.01
JNL050 02+00W		0.60	26.7	4.48	4.51	0.05	0.03	0.03	0.032	0.03	11.5	21.5	0.55	614	0.93	<0.01
JNL050 02+25W		1.16	23.8	3.45	5.20	0.05	0.07	0.02	0.035	0.05	16.8	40.2	0.53	547	0.65	<0.01
JNL050 02+50W		0.88	18.5	4.21	4.80	0.05	0.02	0.02	0.038	0.03	14.7	25.1	0.40	632	0.62	<0.01
JNL050 02+75W		1.57	27.5	3.85	5.30	0.05	0.10	0.02	0.037	0.06	18.2	46.8	0.61	502	0.78	<0.01
JNL050 03+00W		1.49	28.2	3.60	5.06	0.05	0.12	0.02	0.039	0.06	17.6	44.1	0.57	459	0.50	<0.01
JNL050 03+25W		1.34	16.1	2.72	4.18	<0.05	0.03	0.01	0.073	0.04	11.5	15.5	0.36	417	0.75	<0.01
JNL050 03+50W		2.50	27.3	4.13	4.41	0.05	0.05	0.02	0.044	0.06	17.4	25.0	0.51	1900	0.84	<0.01
JNL050 03+75W		1.47	24.1	4.38	4.97	0.07	0.05	0.02	0.045	0.05	27.0	37.1	0.69	690	0.64	<0.01

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

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Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	ME- MS41 Nb ppm 0.05	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
JNL047 01+50E		0.20	11.4	460	17.3	3.8	<0.001	0.02	0.56	0.4	<0.2	0.2	3.4	<0.01	0.03	0.6
JNL047 01+75E		0.20	27.7	360	30.4	6.1	<0.001	0.02	0.91	1.3	<0.2	0.2	15.0	<0.01	0.03	5.5
JNL047 02+00E		0.17	26.8	400	22.6	4.9	<0.001	0.03	0.97	1.1	0.2	<0.2	4.8	<0.01	0.03	5.8
JNL047 02+25E		0.09	34.6	510	31.1	5.4	<0.001	0.02	1.13	1.8	0.2	0.2	17.9	<0.01	0.04	5.8
JNL047 02+50E																
JNL047 04+00E		0.19	13.7	580	25.3	4.8	<0.001	0.03	0.64	0.8	<0.2	0.2	11.1	<0.01	0.04	2.2
JNL047 04+25E		0.17	15.8	610	20.3	5.2	<0.001	0.04	0.64	0.8	0.2	0.2	11.8	<0.01	0.03	2.5
JNL047 04+50E		0.19	13.7	580	12.8	4.4	<0.001	0.04	0.59	0.7	<0.2	0.2	10.2	<0.01	0.02	1.8
JNL047 04+75E		<0.05	39.3	570	14.3	2.8	<0.001	0.01	0.84	1.4	<0.2	0.2	22.5	<0.01	0.02	9.0
JNL047 05+00E		0.20	25.9	610	29.0	6.1	<0.001	0.04	1.15	1.2	<0.2	0.3	39.5	<0.01	0.03	4.1
JNL047 05+25E		0.30	22.8	530	35.2	4.0	<0.001	0.02	0.83	1.3	<0.2	0.2	21.9	<0.01	0.02	4.7
JNL047 05+50E		0.19	26.9	450	42.4	6.7	0.001	0.02	1.26	1.4	0.2	0.2	8.5	<0.01	0.04	6.2
JNL047 05+75E		0.28	15.1	840	44.1	6.3	<0.001	0.03	0.97	1.1	<0.2	0.3	6.9	<0.01	0.02	3.1
JNL047 06+00E		0.49	19.6	540	61.8	5.1	<0.001	0.02	1.46	1.1	0.3	0.3	3.7	0.01	0.03	4.0
JNL047 06+25E		0.15	33.6	840	124.5	4.9	<0.001	0.02	2.03	2.2	0.2	<0.2	16.7	<0.01	0.03	7.5
JNL047 06+50E		0.29	28.1	570	38.3	6.2	<0.001	0.02	1.08	2.3	<0.2	0.2	33.2	<0.01	0.03	5.7
JNL047 06+75E																
JNL047 07+00E		0.42	14.5	440	17.2	6.8	<0.001	0.02	0.45	0.9	0.2	0.4	13.5	<0.01	0.01	2.2
JNL047 07+25E		0.34	14.7	630	37.3	7.0	<0.001	0.02	1.11	0.8	<0.2	0.2	6.2	<0.01	0.03	4.5
JNL047 07+50E		0.27	9.9	610	24.4	6.6	<0.001	0.04	0.87	0.5	<0.2	0.2	9.7	<0.01	0.02	1.2
JNL047 07+75E		0.15	26.6	570	29.3	3.1	<0.001	0.20	1.69	2.0	0.3	0.2	36.9	<0.01	0.02	5.6
JNL047 08+00E		0.14	33.0	620	30.1	3.6	<0.001	0.04	1.88	2.8	0.2	0.3	58.3	<0.01	0.02	6.7
JNL047 08+25E		0.20	38.8	650	37.8	3.5	<0.001	0.20	3.07	2.8	0.5	0.3	49.0	<0.01	0.05	6.7
JNL047 08+50E		0.16	37.8	550	30.6	3.3	<0.001	0.07	2.72	2.7	0.5	0.3	66.3	<0.01	0.03	6.5
JNL050 00+00		0.13	39.4	680	35.7	2.8	<0.001	0.05	2.94	2.5	0.7	0.3	55.7	<0.01	0.05	4.4
JNL050 00+25W		0.12	38.3	650	38.5	2.6	<0.001	0.03	3.05	2.4	0.4	0.3	35.2	<0.01	0.05	4.2
JNL050 00+50W		0.07	45.6	720	48.1	2.2	<0.001	0.05	4.52	3.2	0.5	0.3	50.5	<0.01	0.05	4.5
JNL050 00+75W		0.21	19.5	710	55.0	4.0	0.001	0.02	1.30	1.2	0.2	0.2	8.3	<0.01	0.02	3.1
JNL050 01+00W		0.35	33.7	670	51.5	7.0	<0.001	0.02	1.13	2.1	0.2	0.3	10.9	<0.01	0.03	8.8
JNL050 01+25W		0.23	30.3	580	33.9	8.3	0.001	0.02	0.99	1.9	0.4	0.3	24.0	<0.01	0.03	6.1
JNL050 01+50W		0.18	42.6	800	45.9	4.2	0.001	0.04	1.89	2.7	0.3	0.2	96.3	<0.01	0.03	6.3
JNL050 01+75W		0.44	24.3	910	53.0	5.4	<0.001	0.03	1.59	1.8	0.4	0.2	8.2	0.01	0.02	4.8
JNL050 02+00W		0.29	22.0	750	48.7	6.3	<0.001	0.03	2.18	1.3	0.4	0.2	6.7	<0.01	0.04	3.3
JNL050 02+25W		0.32	25.3	640	37.5	7.2	<0.001	0.03	0.87	1.4	<0.2	0.4	25.1	<0.01	0.02	4.3
JNL050 02+50W		0.41	20.7	610	62.8	5.4	<0.001	0.03	1.58	1.1	0.2	0.3	6.4	<0.01	0.04	4.2
JNL050 02+75W		0.28	29.1	730	42.2	8.9	<0.001	0.04	0.93	1.8	0.2	0.4	42.0	<0.01	0.03	5.5
JNL050 03+00W		0.29	30.2	640	41.9	8.7	<0.001	0.04	1.01	1.7	0.2	0.4	35.8	<0.01	0.04	5.2
JNL050 03+25W		0.28	16.4	740	33.8	8.4	<0.001	0.04	1.27	0.8	<0.2	0.3	23.0	<0.01	0.04	1.9
JNL050 03+50W		0.49	30.8	820	68.6	12.5	<0.001	0.05	2.46	1.7	0.3	0.3	43.0	<0.01	0.05	4.4
JNL050 03+75W		0.29	31.7	480	61.2	6.5	<0.001	0.02	1.46	1.8	0.4	0.3	24.7	<0.01	0.04	6.4

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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	Au- AROR43 Au ppm 0.01
JNL047 01+50E		0.007	0.04	0.34	12	0.06	1.10	37	0.5	
JNL047 01+75E		<0.005	0.05	0.66	15	<0.05	2.93	91	2.0	
JNL047 02+00E		<0.005	0.04	0.53	16	<0.05	1.92	76	1.9	
JNL047 02+25E		<0.005	0.04	1.64	16	<0.05	6.11	111	4.4	
JNL047 02+50E										
JNL047 04+00E		<0.005	0.07	1.31	11	0.09	2.10	44	1.1	
JNL047 04+25E		<0.005	0.06	1.43	11	0.07	2.52	53	1.3	
JNL047 04+50E		<0.005	0.05	0.88	10	0.06	1.51	42	0.6	
JNL047 04+75E		<0.005	0.03	1.13	16	<0.05	2.83	96	1.4	
JNL047 05+00E		<0.005	0.06	1.29	14	0.09	3.23	82	1.9	
JNL047 05+25E		0.005	0.05	0.67	13	0.34	3.04	75	1.3	
JNL047 05+50E		<0.005	0.06	0.59	14	0.05	2.53	100	1.8	
JNL047 05+75E		0.006	0.06	0.48	14	0.13	2.74	69	0.7	
JNL047 06+00E		0.008	0.06	0.57	15	0.11	2.23	72	0.7	
JNL047 06+25E		<0.005	0.06	0.77	11	0.05	6.41	137	1.8	
JNL047 06+50E		0.006	0.07	2.48	15	0.22	9.68	101	1.4	
JNL047 06+75E										
JNL047 07+00E		0.008	0.09	0.60	19	0.32	2.19	50	<0.5	
JNL047 07+25E		0.006	0.07	0.51	14	0.53	2.08	56	0.7	
JNL047 07+50E		0.007	0.05	0.51	13	0.09	2.78	41	<0.5	
JNL047 07+75E		0.005	0.13	1.25	11	0.16	7.83	89	1.7	
JNL047 08+00E		<0.005	0.13	1.10	12	0.21	9.30	94	1.8	
JNL047 08+25E		0.005	0.14	2.32	14	0.26	9.35	113	2.0	
JNL047 08+50E		0.005	0.12	1.42	13	0.23	9.35	100	1.5	
JNL050 00+00		<0.005	0.13	1.44	11	0.30	9.72	102	1.7	
JNL050 00+25W		<0.005	0.13	1.80	12	0.31	8.99	97	1.4	
JNL050 00+50W		<0.005	0.17	2.40	12	0.35	11.30	120	1.4	
JNL050 00+75W		0.006	0.06	0.57	10	0.09	4.09	80	1.0	
JNL050 01+00W		0.006	0.08	0.78	16	0.25	5.97	110	2.5	
JNL050 01+25W		0.005	0.08	2.89	16	0.08	6.52	109	2.3	
JNL050 01+50W		<0.005	0.08	2.17	16	0.11	10.10	127	1.5	
JNL050 01+75W		0.007	0.06	0.66	17	0.10	4.97	102	1.3	
JNL050 02+00W		<0.005	0.08	0.60	16	<0.05	2.53	93	1.1	
JNL050 02+25W		0.006	0.09	1.41	17	0.14	5.38	79	2.2	
JNL050 02+50W		0.009	0.06	0.63	16	0.18	2.36	85	0.7	
JNL050 02+75W		0.005	0.10	2.24	19	0.12	5.96	99	2.7	
JNL050 03+00W		0.006	0.10	1.96	18	0.16	6.28	105	3.4	
JNL050 03+25W		0.008	0.05	0.59	18	0.31	2.12	94	0.7	
JNL050 03+50W		0.007	0.10	1.02	15	0.07	4.31	139	1.6	
JNL050 03+75W		0.006	0.07	1.18	17	0.18	6.52	95	1.6	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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
	LOD	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
JNL050 04+00W		0.55	0.0104	0.24	1.31	193.0	<0.02	<10	40	0.63	0.82	0.47	0.18	53.1	17.7	19
JNL050 04+25W		0.47	0.0079	0.29	1.76	94.9	<0.02	<10	80	0.70	0.49	0.58	0.14	41.1	18.5	20
JNL050 04+50W		0.70	0.0848	0.51	1.20	285	0.10	<10	40	0.61	1.07	0.40	0.22	44.1	11.6	16
JNL050 04+75W		0.58	0.0221	0.14	0.71	118.5	0.02	<10	40	0.14	0.37	0.05	0.06	34.6	3.4	10
JNL050 05+00W		0.63	0.0087	0.18	1.50	67.5	<0.02	<10	50	0.30	0.42	0.16	0.07	41.0	9.1	24
JNL050 05+25W		0.65	0.0196	0.13	1.89	129.0	<0.02	<10	70	0.45	0.55	0.28	0.09	37.0	12.6	28
JNL050 05+50W		0.61	0.0055	0.05	1.53	264	<0.02	<10	30	0.29	0.57	0.03	0.11	55.4	14.5	26
JNL050 05+75W		0.60	0.0011	0.13	1.51	19.2	<0.02	<10	30	0.20	0.33	0.03	0.05	42.8	6.4	22
JNL050 06+00W		0.76	0.0021	0.09	2.19	21.4	<0.02	<10	50	0.48	0.43	0.09	0.07	57.0	14.6	32
JNL050 06+25W		0.72	0.0018	0.09	2.23	19.0	<0.02	<10	40	0.40	0.36	0.07	0.07	61.7	13.9	33
JNL050 06+50W		0.55	0.0049	0.25	1.96	26.8	<0.02	<10	60	0.63	0.42	0.35	0.05	41.8	13.3	24
JNL050 06+75W		0.79	0.0024	0.08	2.11	20.9	<0.02	<10	30	0.42	0.36	0.14	0.11	60.7	16.1	30
JNL050 07+00W		0.76	0.0062	0.15	2.02	45.6	<0.02	<10	30	0.55	0.43	0.16	0.16	58.6	21.8	29
JNL050 07+25W		0.66	0.0018	0.20	0.81	34.5	<0.02	<10	20	0.14	0.21	0.06	0.04	14.45	5.5	11
JNL050 07+50W		0.49	0.0027	0.10	0.64	24.0	<0.02	<10	20	0.25	0.14	0.11	0.04	7.67	4.4	6
JNL050 07+75W		0.59	0.0046	0.13	1.27	54.2	<0.02	<10	20	0.28	0.47	0.08	0.08	27.1	9.7	18
JNL050 08+00W		0.48	0.0042	0.24	1.64	40.9	<0.02	<10	40	0.58	0.37	0.24	0.18	26.3	14.9	20
JNL050 08+25W		0.69	0.0014	0.08	1.83	15.7	<0.02	<10	30	0.40	0.34	0.15	0.12	60.1	15.8	25
JNL050 08+50W		0.68	0.0009	0.12	1.82	17.1	<0.02	<10	40	0.35	0.35	0.10	0.11	41.3	11.8	23
JNL050 08+75W		0.64	0.0005	0.15	1.69	9.9	<0.02	<10	20	0.19	0.26	0.02	0.05	32.7	6.6	21
JNL050 09+00W		0.63	0.0002	0.26	0.70	4.2	<0.02	<10	20	0.10	0.14	0.02	0.03	19.95	1.9	7
JNL050 09+25W		0.59	0.0016	0.06	2.06	24.2	<0.02	<10	30	0.28	0.37	0.03	0.13	39.8	9.7	28
JNL050 09+50W		0.66	0.0007	0.06	1.74	20.2	<0.02	<10	30	0.33	0.36	0.02	0.12	41.2	9.7	21
JNL050 09+75W		0.64	0.0008	0.23	1.97	18.3	<0.02	<10	30	0.37	0.42	0.04	0.19	37.7	10.9	22
JNL050 10+00W		0.50	0.0004	0.08	0.89	4.6	<0.02	<10	30	0.11	0.20	0.02	0.03	32.7	2.4	10
JNL048 05+75W		0.52	0.0044	0.39	2.06	42.2	<0.02	<10	90	0.83	0.51	0.53	0.18	45.4	16.8	23
JNL048 06+00W		0.65	0.0025	0.17	1.78	28.2	<0.02	<10	40	0.33	0.37	0.12	0.07	48.1	9.7	24
JNL048 06+25W		0.51	0.0016	0.10	1.64	21.9	<0.02	<10	40	0.30	0.31	0.24	0.13	48.9	11.8	24
JNL048 06+50W		0.55	0.0056	0.16	1.80	48.7	<0.02	<10	40	0.47	0.47	0.05	0.10	34.6	13.2	22
JNL048 06+75W		0.43	0.0025	0.07	0.72	30.1	<0.02	<10	30	0.17	0.20	0.03	0.04	10.00	3.4	8
JNL048 07+00W		0.41	0.0027	0.10	1.04	20.4	<0.02	<10	30	0.23	0.20	0.05	0.06	13.50	5.0	11
JNL048 07+25W		0.39	0.0015	0.08	0.74	16.9	<0.02	<10	20	0.21	0.20	0.05	0.07	12.35	4.2	9
JNL048 07+50W		0.77	0.0019	0.12	2.49	15.2	<0.02	<10	30	0.41	0.32	0.08	0.07	56.9	14.4	33
JNL048 07+75W		0.84	0.0019	0.11	2.30	17.4	<0.02	<10	30	0.41	0.34	0.12	0.10	60.9	17.3	31
JNL048 08+00W		0.72	0.0034	0.27	2.05	16.7	<0.02	<10	30	0.53	0.41	0.21	0.12	28.5	13.4	28
JNL048 08+25W		0.54	0.0036	0.33	2.19	29.9	<0.02	<10	60	1.14	0.51	0.27	0.08	26.0	15.2	26
JNL048 08+50W		0.59	0.0009	0.08	1.73	18.8	<0.02	<10	10	0.17	0.36	0.01	0.04	25.7	8.9	25
JNL048 08+75W		0.50	0.0001	0.05	0.87	5.8	<0.02	<10	20	0.11	0.19	0.02	0.03	19.50	2.6	10
JNL048 09+00W		0.57	0.0007	0.09	1.91	21.0	<0.02	<10	30	0.29	0.42	0.02	0.12	33.5	8.5	23
JNL048 09+25W		0.47	0.0007	0.21	1.23	11.2	<0.02	<10	30	0.18	0.34	0.02	0.06	27.6	5.0	16

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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	%
	LOD	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
JNL050 04+00W		4.71	43.4	4.34	3.99	0.08	0.06	0.03	0.037	0.07	28.8	23.0	0.41	490	0.84	<0.01
JNL050 04+25W		2.47	33.7	3.71	4.89	0.06	0.06	0.03	0.040	0.06	23.3	32.3	0.50	1330	0.58	0.01
JNL050 04+50W		2.39	38.3	3.94	3.04	0.07	0.05	0.03	0.041	0.06	25.0	20.4	0.40	511	0.42	<0.01
JNL050 04+75W		1.86	10.1	1.57	3.86	0.05	<0.02	0.02	0.013	0.04	18.8	8.6	0.12	108	0.31	0.01
JNL050 05+00W		1.43	21.5	3.23	4.82	0.06	0.03	0.02	0.024	0.04	22.6	35.1	0.50	263	0.82	<0.01
JNL050 05+25W		1.93	23.6	3.91	5.32	0.06	0.07	0.01	0.033	0.05	20.8	44.2	0.60	440	1.14	<0.01
JNL050 05+50W		1.24	28.5	4.41	5.46	0.07	0.02	0.01	0.030	0.04	28.4	41.1	0.52	448	0.75	<0.01
JNL050 05+75W		1.27	16.5	2.83	5.36	0.05	0.03	0.02	0.017	0.05	23.2	34.4	0.46	201	0.72	<0.01
JNL050 06+00W		1.97	25.3	4.04	6.38	0.08	0.09	0.01	0.026	0.05	31.7	63.3	0.83	407	0.88	<0.01
JNL050 06+25W		2.29	25.1	4.17	6.60	0.08	0.07	<0.01	0.023	0.04	34.5	65.1	0.91	366	0.61	<0.01
JNL050 06+50W		2.91	43.7	3.53	5.58	0.07	0.07	0.01	0.026	0.05	27.1	47.1	0.65	402	0.72	0.01
JNL050 06+75W		1.15	35.0	4.12	6.31	0.09	0.06	0.01	0.023	0.04	32.7	63.5	0.89	519	0.61	<0.01
JNL050 07+00W		1.44	45.9	4.44	5.59	0.09	0.02	0.01	0.025	0.05	32.1	54.6	0.79	657	0.76	<0.01
JNL050 07+25W		0.78	16.7	1.82	3.11	<0.05	<0.02	0.01	0.012	0.03	8.4	14.8	0.24	158	0.42	0.01
JNL050 07+50W		0.81	11.8	1.11	2.21	<0.05	<0.02	0.01	0.008	0.02	4.7	8.4	0.13	166	0.25	0.02
JNL050 07+75W		1.48	26.3	3.48	4.33	<0.05	0.02	0.01	0.020	0.05	15.1	25.4	0.45	312	0.66	0.01
JNL050 08+00W		2.63	32.3	3.10	4.48	0.05	0.04	0.02	0.044	0.05	14.4	36.7	0.52	455	0.54	0.01
JNL050 08+25W		0.48	37.8	3.99	5.36	0.09	0.05	0.01	0.019	0.03	32.5	53.6	0.77	519	0.32	<0.01
JNL050 08+50W		0.87	26.9	3.68	5.39	0.06	0.04	0.02	0.022	0.04	22.4	45.6	0.63	435	0.44	<0.01
JNL050 08+75W		0.65	14.8	3.09	5.25	0.05	0.04	0.02	0.017	0.02	18.2	42.8	0.57	211	0.30	<0.01
JNL050 09+00W		0.89	7.8	0.98	3.17	<0.05	<0.02	0.02	0.007	0.03	11.1	5.3	0.08	66	0.37	0.01
JNL050 09+25W		1.05	23.5	4.50	6.54	0.05	0.04	0.02	0.031	0.03	22.3	50.9	0.67	361	0.52	<0.01
JNL050 09+50W		0.86	22.7	3.90	5.23	0.06	0.04	0.02	0.029	0.04	21.7	36.5	0.52	309	0.44	<0.01
JNL050 09+75W		1.07	26.4	4.78	5.85	0.05	0.05	0.03	0.036	0.04	18.2	26.8	0.40	477	0.58	<0.01
JNL050 10+00W		1.34	7.0	1.20	4.02	<0.05	<0.02	0.01	0.011	0.04	17.4	8.4	0.12	142	0.41	0.01
JNL048 05+75W		3.03	48.7	3.68	5.54	0.07	0.10	0.03	0.040	0.07	28.7	44.8	0.52	601	0.92	0.01
JNL048 06+00W		1.76	22.1	3.32	5.65	0.06	0.04	0.01	0.021	0.05	27.2	44.8	0.61	288	0.69	<0.01
JNL048 06+25W		1.92	22.0	3.10	5.32	0.07	0.05	0.01	0.027	0.05	26.6	40.6	0.59	520	0.90	0.01
JNL048 06+50W		2.92	42.0	3.70	5.61	0.05	0.02	0.02	0.031	0.06	19.8	36.1	0.52	469	0.93	<0.01
JNL048 06+75W		1.50	13.1	1.42	2.65	<0.05	<0.02	0.01	0.011	0.03	6.2	8.6	0.15	89	0.40	0.01
JNL048 07+00W		1.10	12.2	1.87	3.39	<0.05	0.03	0.02	0.014	0.03	7.9	16.8	0.25	187	0.35	0.02
JNL048 07+25W		1.35	10.9	1.48	2.88	<0.05	<0.02	0.02	0.012	0.03	6.9	11.4	0.19	91	0.45	0.01
JNL048 07+50W		0.98	26.9	4.66	6.88	0.08	0.05	0.01	0.024	0.03	31.4	71.1	0.97	438	0.30	<0.01
JNL048 07+75W		0.68	37.3	4.57	6.45	0.08	0.03	0.01	0.021	0.03	32.9	70.6	0.94	552	0.29	<0.01
JNL048 08+00W		1.07	40.3	3.74	6.02	0.05	0.14	0.02	0.027	0.03	16.1	69.9	0.76	406	0.86	<0.01
JNL048 08+25W		4.22	60.3	3.45	5.41	0.05	0.15	0.05	0.035	0.04	18.5	60.8	0.65	279	0.66	<0.01
JNL048 08+50W		0.79	22.0	3.72	6.22	0.06	0.05	0.04	0.015	0.02	14.9	55.5	0.65	343	0.42	<0.01
JNL048 08+75W		0.90	8.1	1.43	4.11	<0.05	<0.02	0.02	0.009	0.02	10.9	14.1	0.17	86	0.43	<0.01
JNL048 09+00W		1.10	22.9	3.94	5.82	<0.05	0.07	0.02	0.023	0.04	18.1	42.9	0.51	272	0.56	<0.01
JNL048 09+25W		1.35	15.6	2.85	5.46	<0.05	0.02	0.03	0.020	0.03	14.9	16.9	0.24	218	0.68	<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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME-MS41 Nb ppm 0.05	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
JNL050 04+00W		0.26	39.9	690	37.6	8.2	<0.001	0.04	2.73	2.6	0.4	0.3	50.8	<0.01	0.06	6.2
JNL050 04+25W		0.29	30.2	1080	38.6	10.0	<0.001	0.07	1.18	1.9	0.5	0.3	56.8	<0.01	0.03	3.6
JNL050 04+50W		0.17	33.6	570	65.7	7.0	<0.001	0.04	3.21	2.9	0.5	0.9	51.5	<0.01	0.03	7.0
JNL050 04+75W		0.23	10.0	590	10.1	6.0	<0.001	0.03	0.52	0.5	0.2	0.5	10.4	<0.01	0.02	1.2
JNL050 05+00W		0.25	27.7	530	20.5	6.6	<0.001	0.02	0.73	1.3	0.2	0.3	21.3	<0.01	0.04	4.9
JNL050 05+25W		0.29	30.9	810	28.1	9.6	<0.001	0.04	0.76	1.6	0.3	0.3	34.4	<0.01	0.04	4.4
JNL050 05+50W		0.23	33.6	440	28.0	6.0	<0.001	0.02	1.21	1.4	0.3	0.5	10.4	<0.01	0.04	6.4
JNL050 05+75W		0.23	21.9	680	17.7	6.7	<0.001	0.03	0.84	0.9	0.3	0.3	9.6	<0.01	0.03	3.5
JNL050 06+00W		0.15	40.2	460	24.9	6.3	<0.001	0.02	0.55	1.8	0.4	0.2	17.7	<0.01	0.03	8.4
JNL050 06+25W		0.16	41.4	340	16.6	5.1	<0.001	0.01	0.57	1.6	0.3	0.2	12.5	<0.01	0.02	9.0
JNL050 06+50W		0.20	32.3	520	27.2	6.6	<0.001	0.03	0.88	1.6	0.4	0.2	42.4	<0.01	0.03	5.3
JNL050 06+75W		0.21	42.0	300	24.5	3.3	<0.001	0.01	0.83	1.7	0.4	<0.2	18.9	<0.01	0.03	9.9
JNL050 07+00W		0.08	44.3	470	52.0	3.9	<0.001	0.01	1.54	1.8	0.2	<0.2	20.6	<0.01	0.05	8.9
JNL050 07+25W		0.14	14.4	460	20.0	2.9	<0.001	0.02	1.00	0.3	0.2	<0.2	8.0	<0.01	0.02	0.5
JNL050 07+50W		0.22	7.8	350	8.3	2.1	<0.001	0.03	0.52	0.3	0.3	<0.2	13.5	<0.01	0.02	0.5
JNL050 07+75W		0.20	22.0	730	20.6	4.6	<0.001	0.05	2.36	0.5	0.2	0.2	12.5	<0.01	0.05	1.8
JNL050 08+00W		0.20	26.4	600	54.0	5.5	<0.001	0.04	1.47	1.3	0.6	0.2	30.6	<0.01	0.03	3.0
JNL050 08+25W		<0.05	37.2	500	32.9	2.3	<0.001	<0.01	1.07	1.8	0.3	<0.2	17.7	<0.01	0.04	12.3
JNL050 08+50W		0.16	29.5	600	32.0	5.2	<0.001	0.02	0.95	1.2	<0.2	0.2	11.4	<0.01	0.03	3.9
JNL050 08+75W		0.18	24.2	480	18.0	4.0	<0.001	0.02	0.51	0.8	0.2	<0.2	3.9	<0.01	0.02	3.0
JNL050 09+00W		0.11	4.3	630	7.4	4.4	<0.001	0.02	0.25	0.1	0.2	0.2	4.6	<0.01	0.01	<0.2
JNL050 09+25W		0.30	29.7	700	26.7	5.6	<0.001	0.02	1.06	0.9	0.2	0.2	6.2	<0.01	0.03	2.8
JNL050 09+50W		0.23	26.3	570	39.7	5.3	<0.001	0.02	1.25	1.0	0.2	0.2	5.9	<0.01	0.02	3.5
JNL050 09+75W		0.40	23.1	1070	42.3	6.2	<0.001	0.04	1.09	0.9	0.4	0.2	7.3	<0.01	0.03	2.6
JNL050 10+00W		0.24	5.8	410	8.9	7.1	<0.001	0.01	0.28	0.2	0.2	0.4	5.6	<0.01	0.02	0.3
JNL048 05+75W		0.27	32.8	800	39.3	9.7	<0.001	0.04	1.00	2.2	0.4	0.4	70.5	<0.01	0.04	5.7
JNL048 06+00W		0.16	27.5	560	22.4	6.2	<0.001	0.03	0.74	1.3	0.3	0.2	18.5	<0.01	0.03	5.4
JNL048 06+25W		0.13	28.5	490	16.8	6.6	<0.001	0.03	0.67	1.5	0.3	0.2	28.8	<0.01	0.04	5.3
JNL048 06+50W		0.15	28.4	680	42.5	8.6	<0.001	0.03	1.48	1.2	0.3	0.3	9.9	<0.01	0.04	3.6
JNL048 06+75W		0.19	9.2	370	17.2	4.6	<0.001	0.03	0.71	0.5	0.2	0.2	7.2	<0.01	0.01	1.1
JNL048 07+00W		0.34	12.0	400	15.7	3.2	<0.001	0.03	0.50	0.7	0.2	<0.2	7.8	<0.01	0.01	1.8
JNL048 07+25W		0.25	9.5	440	15.8	3.3	<0.001	0.04	0.71	0.4	0.2	<0.2	10.8	<0.01	0.02	0.7
JNL048 07+50W		0.07	43.0	360	22.3	3.5	<0.001	0.01	0.63	1.7	0.3	<0.2	11.1	<0.01	0.03	8.1
JNL048 07+75W		<0.05	43.9	410	28.1	2.4	<0.001	<0.01	0.87	1.9	0.3	<0.2	14.9	<0.01	0.04	11.4
JNL048 08+00W		0.09	38.1	500	25.8	4.0	0.001	0.02	1.04	2.1	0.4	<0.2	21.7	<0.01	0.05	6.8
JNL048 08+25W		0.13	39.9	670	34.8	3.7	<0.001	0.05	1.15	2.4	0.7	0.2	27.8	<0.01	0.04	5.4
JNL048 08+50W		0.17	27.7	590	19.1	2.9	0.001	0.01	0.73	0.8	<0.2	<0.2	3.2	<0.01	0.06	2.5
JNL048 08+75W		0.16	8.1	620	8.9	5.0	<0.001	0.02	0.37	0.1	<0.2	0.3	4.3	<0.01	0.02	<0.2
JNL048 09+00W		0.47	23.6	650	35.1	6.7	<0.001	0.02	0.93	1.0	0.3	0.3	5.3	<0.01	0.03	3.4
JNL048 09+25W		0.24	12.9	950	20.9	6.5	<0.001	0.03	0.74	0.3	<0.2	0.4	5.4	<0.01	0.03	0.5

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CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL050 04+00W		<0.005	0.08	2.20	16	0.11	11.65	91	1.9	
JNL050 04+25W		<0.005	0.09	2.03	16	0.09	10.15	101	1.7	
JNL050 04+50W		<0.005	0.07	2.29	12	0.08	12.65	119	1.8	
JNL050 04+75W		0.005	0.09	0.50	13	0.07	1.91	31	<0.5	
JNL050 05+00W		<0.005	0.06	1.31	16	0.07	3.14	78	1.0	
JNL050 05+25W		0.005	0.08	1.95	19	0.08	3.68	100	2.0	
JNL050 05+50W		<0.005	0.06	0.83	18	0.09	3.39	92	0.8	
JNL050 05+75W		<0.005	0.06	0.76	17	0.07	1.88	63	1.0	
JNL050 06+00W		<0.005	0.05	1.82	18	0.05	4.19	100	2.6	
JNL050 06+25W		<0.005	0.04	0.98	18	<0.05	3.64	100	2.2	
JNL050 06+50W		<0.005	0.06	4.00	16	<0.05	7.57	90	2.1	
JNL050 06+75W		<0.005	0.04	1.57	16	<0.05	4.09	101	2.5	
JNL050 07+00W		<0.005	0.04	2.00	16	<0.05	6.00	117	0.5	
JNL050 07+25W		0.007	0.03	0.48	11	<0.05	1.32	43	0.5	
JNL050 07+50W		0.010	0.02	0.98	8	<0.05	2.26	27	0.5	
JNL050 07+75W		0.005	0.03	0.83	13	<0.05	1.97	73	0.7	
JNL050 08+00W		0.005	0.04	2.81	15	<0.05	7.08	101	1.2	
JNL050 08+25W		<0.005	0.02	0.83	13	<0.05	6.02	102	3.2	
JNL050 08+50W		<0.005	0.04	0.68	15	<0.05	3.43	91	1.2	
JNL050 08+75W		0.005	0.03	0.41	14	<0.05	1.55	66	1.3	
JNL050 09+00W		<0.005	0.05	0.36	11	0.06	0.85	17	<0.5	
JNL050 09+25W		0.006	0.04	0.62	19	0.05	2.21	90	1.1	
JNL050 09+50W		<0.005	0.05	0.69	15	0.05	2.88	91	1.1	
JNL050 09+75W		0.009	0.05	0.81	17	0.07	3.29	79	1.6	
JNL050 10+00W		0.010	0.08	0.40	17	0.10	1.38	25	<0.5	
JNL048 05+75W		<0.005	0.09	6.58	17	0.07	11.40	102	2.8	
JNL048 06+00W		<0.005	0.05	1.29	16	0.05	3.07	84	1.2	
JNL048 06+25W		<0.005	0.05	1.14	15	0.05	3.44	85	1.4	
JNL048 06+50W		<0.005	0.08	1.55	18	0.05	3.78	90	0.8	
JNL048 06+75W		0.005	0.05	0.62	10	<0.05	1.63	30	<0.5	
JNL048 07+00W		0.009	0.03	0.93	10	0.05	1.71	37	1.1	
JNL048 07+25W		0.008	0.03	1.16	12	<0.05	1.61	35	<0.5	
JNL048 07+50W		<0.005	0.03	0.71	19	<0.05	3.52	110	1.4	
JNL048 07+75W		<0.005	0.02	0.95	17	<0.05	5.31	112	1.7	
JNL048 08+00W		<0.005	0.03	5.08	15	<0.05	8.94	103	4.3	
JNL048 08+25W		<0.005	0.05	9.22	14	<0.05	17.50	99	4.0	
JNL048 08+50W		0.005	0.03	0.49	18	<0.05	1.55	74	1.3	
JNL048 08+75W		<0.005	0.03	0.37	13	0.06	1.11	28	<0.5	
JNL048 09+00W		0.007	0.06	0.65	18	0.12	2.60	79	2.0	
JNL048 09+25W		0.006	0.06	0.56	21	0.11	1.87	49	0.6	

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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
	LOD	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
JNL048 09+50W		0.59	0.0013	0.10	2.00	18.2	<0.02	<10	40	0.53	0.42	0.04	0.16	38.7	12.7	24
JNL048 09+75W		0.62	0.0004	0.04	1.02	11.3	<0.02	<10	30	0.11	0.31	0.01	0.03	27.9	4.3	13
JNL048 10+00W		0.52	0.0007	0.17	1.53	15.5	<0.02	<10	30	0.27	0.38	0.02	0.09	32.3	7.8	19

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CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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
JNL048 09+50W		0.80	32.0	4.33	5.48	0.06	0.10	0.02	0.032	0.04	20.1	50.7	0.64	440	0.36	<0.01
JNL048 09+75W		0.97	10.9	1.99	5.02	<0.05	<0.02	0.01	0.012	0.03	15.1	19.4	0.29	139	0.46	<0.01
JNL048 10+00W		0.91	20.5	3.70	5.60	<0.05	0.05	0.03	0.026	0.03	17.0	30.1	0.40	264	0.46	<0.01

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Sample Description	Method Analyte Units LOD	ME- MS41 Nb ppm 0.05	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
JNL048 09+50W		0.17	33.8	660	44.6	5.8	<0.001	0.02	1.20	1.4	<0.2	<0.2	7.2	<0.01	0.03	5.9
JNL048 09+75W		0.17	13.5	430	11.6	5.6	<0.001	0.02	0.58	0.4	<0.2	0.3	3.8	<0.01	0.02	0.6
JNL048 10+00W		0.24	21.5	730	31.8	5.9	<0.001	0.03	1.05	0.9	0.2	0.2	4.7	<0.01	0.02	2.9

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CERTIFICATE OF ANALYSIS WH18226416

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
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
JNL048 09+50W		<0.005	0.04	0.81	14	<0.05	4.66	102	2.7	
JNL048 09+75W		0.008	0.05	0.40	17	0.09	1.50	45	<0.5	
JNL048 10+00W		<0.005	0.05	0.65	14	0.06	2.59	66	1.4	

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CERTIFICATE OF ANALYSIS WH18226416

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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Finalized Date: 20- OCT- 2018
This copy reported on
8- NOV- 2018
Account: TELOEX

CERTIFICATE WH18226416

Project: 1008072- TELOEX- R1
P.O. No.: JN18- 002
This report is for 243 Soil samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2018.
The following have access to data associated with this certificate:

JESSE CAMPBELL	MIKE MCCUAIG	

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	

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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description / Method / Analyte / Units / LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL051 00+00	0.72	0.0031	0.24	0.66	136.0	<0.02	<10	30	0.52	0.54	0.45	0.21	44.4	17.7	14
JNL051 00+25W	0.66	0.0042	0.23	0.62	101.0	<0.02	<10	20	0.46	0.47	0.55	0.30	36.0	17.3	13
JNL051 00+50W	0.73	0.0042	0.17	1.55	81.9	<0.02	<10	20	0.36	0.78	0.07	0.16	33.8	18.5	20
JNL051 00+75W	0.57	0.0009	0.05	0.78	30.2	<0.02	<10	30	0.19	0.50	0.05	0.07	35.3	8.4	15
JNL051 01+00W	0.69	0.0035	0.11	1.86	43.3	<0.02	<10	80	0.41	0.48	0.08	0.06	35.4	9.3	24
JNL051 01+25W	0.75	0.0036	0.11	1.82	47.8	<0.02	<10	60	0.44	0.52	0.35	0.06	31.8	12.4	24
JNL051 01+50W	0.52	0.0017	0.05	1.28	27.9	<0.02	<10	40	0.33	0.42	0.06	0.09	35.4	10.0	17
JNL051 01+75W	0.62	0.0020	0.05	1.67	27.4	<0.02	<10	40	0.38	0.45	0.05	0.12	40.6	11.1	22
JNL051 02+00W	0.62	0.0055	0.12	1.05	32.2	<0.02	<10	50	0.24	0.34	0.24	0.09	29.3	6.4	15
JNL051 02+25W	0.63	0.0016	0.04	1.15	55.4	<0.02	<10	30	0.31	0.56	0.31	0.14	33.5	10.8	19
JNL051 02+50W	0.57	0.0030	0.09	1.66	73.3	<0.02	<10	60	0.54	0.52	0.29	0.14	39.2	16.2	23
JNL051 02+75W	0.56	0.0059	0.18	1.77	51.4	0.02	<10	60	0.55	0.46	0.28	0.06	32.5	12.0	22
JNL051 03+00W	0.59	0.0070	0.21	1.64	46.2	<0.02	<10	50	0.50	0.44	0.24	0.08	31.0	10.9	21
JNL051 03+25W	0.56	0.0097	0.16	1.88	70.5	<0.02	<10	60	0.57	0.54	0.33	0.13	37.7	15.9	26
JNL051 03+50W	0.78	0.0090	0.06	1.77	82.0	<0.02	<10	40	0.47	0.50	0.13	0.23	48.3	15.3	26
JNL051 03+75W	0.59	0.0099	0.17	1.57	134.5	<0.02	<10	70	0.60	0.71	0.30	0.25	39.8	13.7	23
JNL051 04+00W	0.93	0.0140	0.16	1.36	135.5	<0.02	<10	40	0.38	0.65	0.28	0.16	41.5	12.5	21
JNL051 04+25W	0.80	0.0189	0.21	1.38	109.5	<0.02	<10	40	0.47	0.60	0.41	0.26	40.3	13.8	21
JNL051 04+50W	0.60	0.0170	0.13	1.68	61.2	<0.02	<10	50	0.45	0.53	0.18	0.11	34.5	12.7	23
JNL051 04+75W	0.71	0.0133	0.09	1.70	69.1	<0.02	<10	30	0.40	0.54	0.09	0.11	44.3	13.9	26
JNL051 05+00W	0.68	0.0019	0.06	1.10	36.8	<0.02	<10	20	0.17	0.50	0.03	0.06	35.9	6.5	16
JNL051 05+25W	0.65	0.0030	0.05	1.73	31.9	<0.02	<10	20	0.32	0.40	0.10	0.08	47.2	14.0	25
JNL051 05+50W	0.67	0.0031	0.16	1.98	32.1	<0.02	<10	50	0.77	0.55	0.29	0.06	56.8	15.8	25
JNL051 05+75W	0.95	0.0082	0.19	2.21	35.7	<0.02	<10	40	0.59	0.46	0.20	0.10	49.5	14.6	30
JNL051 06+00W	0.73	0.0016	0.06	1.63	17.9	<0.02	<10	20	0.26	0.32	0.02	0.04	41.1	7.1	23
JNL051 06+25W	0.74	0.0042	0.07	2.00	27.6	<0.02	<10	30	0.37	0.47	0.04	0.08	50.5	15.1	28
JNL051 06+75W A	0.70	0.0081	0.22	1.90	59.5	<0.02	<10	20	0.56	0.44	0.08	0.10	59.6	29.6	26
JNL051 06+75W B	0.55	0.0044	0.09	2.03	33.3	<0.02	<10	20	0.39	0.41	0.05	0.11	54.0	13.5	28
JNL051 07+00W	0.58	0.0016	0.30	0.74	19.0	<0.02	<10	20	0.17	0.17	0.02	0.05	11.60	5.0	7
JNL052 00+00	0.57	0.0074	0.24	1.93	82.3	<0.02	<10	40	0.69	0.54	0.05	0.42	38.8	29.7	29
JNL052 00+25E	0.63	0.0070	0.11	1.82	62.8	<0.02	<10	30	0.48	0.43	0.03	0.12	22.3	29.6	23
JNL052 00+50E	0.75	0.0182	0.22	1.83	157.5	0.02	<10	30	0.87	0.62	0.04	0.25	33.4	42.3	22
JNL052 00+75E	0.63	0.0050	0.08	1.71	55.6	<0.02	<10	20	0.44	0.44	0.03	0.09	30.8	30.8	20
JNL052 01+00E	0.66	0.0092	0.11	2.15	140.0	<0.02	<10	40	0.71	0.78	0.01	0.13	36.7	64.2	24
JNL052 01+25E	0.61	0.0186	0.21	1.59	112.0	0.02	<10	20	0.70	0.60	0.01	0.15	26.6	37.4	20
JNL052 01+50E	0.54	0.0195	0.46	1.71	91.4	<0.02	<10	30	0.53	0.78	0.16	0.14	30.4	15.8	73
JNL052 01+75E	0.48	0.0029	0.29	1.85	40.0	<0.02	<10	30	0.76	0.51	0.12	0.11	30.3	38.1	63
JNL052 02+00E	0.68	0.0347	0.15	1.20	278	0.04	<10	30	0.65	0.50	0.03	0.15	48.4	26.5	16
JNL052 02+25E	0.70	0.0489	0.21	1.03	233	0.05	<10	30	0.66	0.48	0.01	0.14	42.7	25.4	16
JNL052 02+50E	0.74	0.0116	0.28	1.59	99.3	<0.02	<10	30	0.67	0.55	0.03	0.14	48.6	30.9	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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description / Method / Analyte / Units / LOD	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
JNL051 00+00	1.00	41.9	4.02	2.28	0.08	0.04	0.08	0.039	0.03	23.5	13.1	0.17	415	0.53	<0.01
JNL051 00+25W	0.85	38.2	3.71	2.05	0.07	0.05	0.06	0.038	0.03	19.5	11.2	0.18	376	0.49	<0.01
JNL051 00+50W	0.72	33.7	4.57	4.35	0.06	0.04	0.03	0.043	0.03	15.5	25.3	0.42	769	0.57	<0.01
JNL051 00+75W	1.16	15.6	2.69	4.72	0.06	<0.02	0.02	0.019	0.04	17.7	15.0	0.27	574	1.11	<0.01
JNL051 01+00W	1.71	20.5	3.49	5.64	0.05	0.08	0.02	0.035	0.05	20.0	50.0	0.60	276	0.90	<0.01
JNL051 01+25W	1.99	24.0	3.55	5.26	0.06	0.08	0.01	0.028	0.06	17.4	51.0	0.61	347	1.02	<0.01
JNL051 01+50W	1.08	20.9	2.96	4.65	0.05	0.02	0.01	0.027	0.05	17.6	26.0	0.35	380	0.42	<0.01
JNL051 01+75W	1.05	20.6	3.81	4.96	0.05	0.04	0.01	0.028	0.05	20.3	37.7	0.52	422	0.48	<0.01
JNL051 02+00W	1.09	17.0	2.19	4.34	<0.05	<0.02	0.01	0.016	0.05	15.5	24.2	0.35	278	0.90	0.01
JNL051 02+25W	0.84	21.4	3.59	4.75	0.05	0.03	0.01	0.030	0.05	16.6	28.7	0.46	603	0.86	<0.01
JNL051 02+50W	0.89	26.7	4.29	4.83	0.05	0.07	0.01	0.034	0.05	19.3	46.4	0.64	820	0.93	<0.01
JNL051 02+75W	1.45	29.5	3.22	5.05	0.06	0.08	0.01	0.031	0.06	18.9	44.8	0.55	322	0.69	0.01
JNL051 03+00W	1.74	23.8	3.06	5.04	0.06	0.08	0.02	0.035	0.05	19.0	40.5	0.49	262	0.52	0.01
JNL051 03+25W	1.63	29.2	3.80	5.93	0.06	0.10	0.02	0.038	0.07	22.3	49.7	0.64	374	0.51	<0.01
JNL051 03+50W	1.18	27.2	3.79	5.70	0.07	0.08	0.02	0.035	0.07	24.2	50.8	0.66	344	0.38	<0.01
JNL051 03+75W	1.67	33.0	3.66	5.07	0.07	0.10	0.03	0.061	0.08	22.4	29.8	0.38	381	0.74	<0.01
JNL051 04+00W	1.06	27.7	3.80	4.63	0.07	0.05	0.02	0.031	0.04	22.1	36.7	0.47	312	0.54	<0.01
JNL051 04+25W	1.16	35.9	3.62	4.40	0.07	0.08	0.03	0.046	0.05	22.0	35.4	0.45	304	0.57	<0.01
JNL051 04+50W	1.56	28.0	3.65	5.41	0.06	0.10	0.02	0.038	0.05	19.1	40.5	0.51	319	0.62	<0.01
JNL051 04+75W	1.00	35.3	4.16	5.61	0.07	0.04	0.03	0.030	0.03	24.1	50.7	0.64	409	0.58	<0.01
JNL051 05+00W	1.13	19.5	2.66	5.43	<0.05	<0.02	0.03	0.019	0.03	19.5	24.3	0.30	156	0.74	<0.01
JNL051 05+25W	0.70	28.3	3.82	5.76	0.08	0.05	0.02	0.019	0.03	26.0	56.9	0.70	366	0.43	<0.01
JNL051 05+50W	3.51	38.9	3.86	6.59	0.09	0.05	0.03	0.034	0.04	36.0	56.6	0.64	463	0.70	<0.01
JNL051 05+75W	2.74	46.7	4.24	6.65	0.08	0.07	0.02	0.025	0.04	30.9	76.8	0.83	367	0.50	<0.01
JNL051 06+00W	1.49	23.9	3.08	5.91	0.06	0.02	0.02	0.015	0.03	22.6	46.2	0.60	221	0.50	<0.01
JNL051 06+25W	1.56	32.9	3.96	6.46	0.07	0.03	0.02	0.021	0.03	28.2	63.5	0.80	389	0.52	<0.01
JNL051 06+75W A	1.22	53.3	4.94	6.12	0.09	<0.02	0.01	0.026	0.03	33.5	58.5	0.79	1070	0.84	<0.01
JNL051 06+75W B	1.14	34.7	4.07	6.60	0.08	0.04	0.02	0.029	0.03	29.6	63.8	0.80	378	0.42	<0.01
JNL051 07+00W	0.88	17.2	1.58	2.86	<0.05	<0.02	0.03	0.011	0.02	6.4	9.4	0.14	214	0.39	0.01
JNL052 00+00	2.41	52.5	4.50	6.28	0.06	0.05	0.03	0.039	0.04	21.8	47.4	0.69	1040	1.42	<0.01
JNL052 00+25E	2.01	45.1	4.05	5.84	0.05	0.04	0.03	0.026	0.04	12.5	39.2	0.61	1000	1.15	<0.01
JNL052 00+50E	2.91	66.7	4.71	5.69	0.07	0.02	0.03	0.063	0.04	18.8	39.1	0.62	1350	1.16	<0.01
JNL052 00+75E	1.91	44.9	4.06	5.72	0.06	0.03	0.04	0.023	0.04	17.2	35.6	0.55	1120	1.08	0.01
JNL052 01+00E	2.12	66.4	5.29	6.85	0.08	0.05	0.03	0.028	0.03	20.9	54.7	0.77	1780	1.31	<0.01
JNL052 01+25E	1.74	57.7	5.00	4.66	0.05	0.04	0.04	0.041	0.03	14.8	33.7	0.50	978	1.61	<0.01
JNL052 01+50E	2.36	51.4	4.74	5.32	0.07	0.03	0.06	0.029	0.07	17.1	37.3	0.61	424	6.82	0.01
JNL052 01+75E	1.35	68.5	4.27	5.54	0.05	0.04	0.09	0.030	0.06	17.1	45.9	0.73	992	5.33	<0.01
JNL052 02+00E	1.54	40.5	4.90	4.11	0.08	0.02	0.02	0.033	0.03	26.0	26.0	0.39	1060	0.76	<0.01
JNL052 02+25E	1.91	40.8	4.42	3.53	0.07	0.02	0.04	0.030	0.04	23.7	21.2	0.32	1300	1.04	<0.01
JNL052 02+50E	1.69	66.9	4.98	5.37	0.08	0.02	0.02	0.034	0.03	27.9	39.3	0.63	1580	1.60	<0.01

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL051 00+00		0.16	43.5	640	39.6	3.9	<0.001	0.05	3.67	3.2	0.7	0.3	46.5	<0.01	0.06	7.2
JNL051 00+25W		0.15	41.6	750	37.3	3.8	<0.001	0.05	3.40	3.0	0.6	0.3	51.1	<0.01	0.06	5.8
JNL051 00+50W		0.38	25.5	1000	72.2	4.2	<0.001	0.03	1.88	1.4	0.5	0.2	7.7	0.01	0.06	5.4
JNL051 00+75W		0.50	16.4	500	25.1	7.4	<0.001	0.02	1.36	0.9	0.3	0.3	7.5	<0.01	0.04	3.2
JNL051 01+00W		0.35	29.0	570	30.1	8.2	<0.001	0.02	0.81	1.6	0.2	0.4	15.9	<0.01	0.04	5.9
JNL051 01+25W		0.34	29.5	530	33.9	8.9	<0.001	0.04	0.88	1.5	0.6	0.3	35.0	<0.01	0.04	5.4
JNL051 01+50W		0.41	21.0	560	27.5	7.6	0.002	0.02	1.00	0.9	0.2	0.3	12.3	<0.01	0.03	2.8
JNL051 01+75W		0.43	25.4	490	32.6	7.8	<0.001	0.01	1.03	1.3	0.3	0.3	8.2	<0.01	0.03	5.5
JNL051 02+00W		0.43	17.1	380	17.5	7.7	<0.001	0.02	0.81	0.9	0.3	0.3	27.5	<0.01	0.04	3.0
JNL051 02+25W		0.26	23.8	910	47.1	6.8	0.001	0.02	2.10	1.2	0.2	0.2	28.8	<0.01	0.04	5.3
JNL051 02+50W		0.24	31.1	520	50.6	5.6	<0.001	0.02	1.54	1.6	0.4	0.3	28.1	<0.01	0.03	7.3
JNL051 02+75W		0.32	28.7	530	32.4	8.5	<0.001	0.03	0.78	1.6	0.4	0.4	31.1	<0.01	0.04	5.2
JNL051 03+00W		0.32	27.1	580	31.8	7.8	<0.001	0.03	0.82	1.6	<0.2	0.4	29.5	<0.01	0.03	4.3
JNL051 03+25W		0.33	34.3	630	41.5	9.4	<0.001	0.02	1.02	2.0	0.2	0.5	38.7	<0.01	0.04	6.5
JNL051 03+50W		0.31	35.2	460	44.1	7.7	0.001	0.01	1.12	2.0	0.2	0.5	19.5	<0.01	0.04	8.5
JNL051 03+75W		0.31	34.0	720	60.6	10.2	<0.001	0.04	1.74	2.3	0.5	0.8	34.1	<0.01	0.05	6.4
JNL051 04+00W		0.22	31.0	520	42.9	5.8	0.001	0.02	1.54	1.7	0.2	0.4	27.4	<0.01	0.04	6.9
JNL051 04+25W		0.23	35.8	630	49.9	5.4	<0.001	0.04	1.82	2.2	0.4	0.4	38.7	<0.01	0.05	6.6
JNL051 04+50W		0.23	31.6	670	31.0	6.6	<0.001	0.03	1.33	1.9	0.3	0.4	27.0	<0.01	0.04	5.3
JNL051 04+75W		0.19	34.9	510	32.8	4.8	<0.001	0.01	1.27	1.8	0.2	0.3	11.6	<0.01	0.05	7.6
JNL051 05+00W		0.33	18.4	700	20.0	5.7	<0.001	0.02	1.00	0.7	0.2	0.3	6.6	<0.01	0.06	2.4
JNL051 05+25W		0.14	33.6	510	29.3	3.1	<0.001	0.01	1.21	1.4	0.3	<0.2	12.5	<0.01	0.04	7.5
JNL051 05+50W		0.11	33.6	710	25.5	8.3	<0.001	0.02	1.03	1.6	<0.2	0.4	28.3	<0.01	0.04	5.7
JNL051 05+75W		0.12	46.7	510	23.4	5.1	0.001	0.01	1.07	2.0	0.4	0.2	22.5	<0.01	0.04	8.1
JNL051 06+00W		0.11	26.2	490	19.0	3.9	<0.001	0.01	0.80	1.0	<0.2	0.2	5.6	<0.01	0.03	4.1
JNL051 06+25W		0.10	36.8	380	24.0	4.1	<0.001	0.01	1.09	1.4	<0.2	0.2	7.1	<0.01	0.06	7.4
JNL051 06+75W A		<0.05	50.7	530	58.3	2.2	<0.001	<0.01	3.18	2.1	<0.2	<0.2	10.4	<0.01	0.05	11.4
JNL051 06+75W B		0.10	36.7	510	31.6	4.0	0.001	0.01	1.19	1.4	0.2	0.2	7.0	<0.01	0.05	7.4
JNL051 07+00W		0.15	10.3	610	12.0	2.8	<0.001	0.02	1.35	0.2	0.2	<0.2	3.5	<0.01	0.03	0.4
JNL052 00+00		0.17	43.9	620	84.0	4.7	<0.001	0.02	3.32	1.8	0.5	0.2	7.8	<0.01	0.08	5.6
JNL052 00+25E		0.21	35.2	920	53.0	5.5	<0.001	0.03	3.04	1.3	0.3	0.2	5.0	<0.01	0.07	3.7
JNL052 00+50E		0.09	42.5	580	77.9	4.6	<0.001	0.01	4.21	2.2	<0.2	0.2	8.6	<0.01	0.08	10.7
JNL052 00+75E		0.14	34.0	740	66.9	5.2	<0.001	0.02	3.13	1.4	0.2	<0.2	4.3	<0.01	0.06	5.9
JNL052 01+00E		<0.05	54.4	420	80.4	3.5	<0.001	0.01	3.67	1.8	0.2	<0.2	5.0	<0.01	0.14	10.4
JNL052 01+25E		0.05	48.4	630	29.3	4.3	<0.001	0.02	3.78	1.3	0.5	0.2	2.9	<0.01	0.09	6.0
JNL052 01+50E		0.29	66.1	900	48.1	5.3	0.002	0.05	4.27	1.5	0.4	0.3	19.9	<0.01	0.08	7.5
JNL052 01+75E		0.12	64.9	740	75.0	4.4	0.001	0.05	2.02	1.6	<0.2	0.2	10.8	<0.01	0.06	7.9
JNL052 02+00E		<0.05	46.3	530	26.2	3.3	0.001	0.02	4.85	1.7	0.2	<0.2	6.7	<0.01	0.10	6.8
JNL052 02+25E		0.05	39.3	440	28.1	4.2	<0.001	0.02	4.40	1.7	<0.2	0.2	4.8	<0.01	0.06	7.5
JNL052 02+50E		<0.05	51.2	350	99.6	2.9	<0.001	0.01	5.00	2.2	<0.2	<0.2	8.7	<0.01	0.06	11.8

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Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL051 00+00		<0.005	0.17	1.97	13	0.35	11.20	99	1.5	
JNL051 00+25W		<0.005	0.14	1.65	11	0.32	10.05	103	1.7	
JNL051 00+50W		0.007	0.06	0.70	13	0.06	3.67	71	1.4	
JNL051 00+75W		0.012	0.05	0.61	22	0.12	2.29	57	<0.5	
JNL051 01+00W		0.006	0.09	1.90	19	0.12	4.96	82	2.3	
JNL051 01+25W		0.006	0.09	2.67	17	0.08	4.08	86	2.3	
JNL051 01+50W		0.007	0.08	0.58	17	0.16	2.79	62	0.6	
JNL051 01+75W		0.006	0.08	0.64	17	0.29	3.02	83	1.0	
JNL051 02+00W		0.010	0.07	0.70	16	0.19	2.47	52	0.5	
JNL051 02+25W		0.007	0.05	0.82	15	0.09	3.34	98	1.1	
JNL051 02+50W		<0.005	0.08	1.39	16	0.10	4.42	92	2.2	
JNL051 02+75W		0.006	0.09	2.38	17	0.10	5.97	80	2.8	
JNL051 03+00W		0.006	0.08	1.91	16	0.12	5.92	77	2.1	
JNL051 03+25W		0.006	0.11	1.99	19	0.16	6.03	105	3.0	
JNL051 03+50W		0.008	0.09	1.24	18	0.18	4.78	111	2.6	
JNL051 03+75W		0.005	0.16	2.01	19	0.32	6.91	109	3.1	
JNL051 04+00W		<0.005	0.11	1.10	16	0.19	4.32	89	1.6	
JNL051 04+25W		<0.005	0.10	2.05	16	0.23	7.60	104	2.8	
JNL051 04+50W		<0.005	0.09	1.57	17	0.13	4.86	96	2.7	
JNL051 04+75W		<0.005	0.07	1.08	17	0.09	4.27	100	1.3	
JNL051 05+00W		0.005	0.07	0.66	19	0.12	1.99	56	0.6	
JNL051 05+25W		<0.005	0.03	0.94	15	0.06	3.59	85	1.4	
JNL051 05+50W		<0.005	0.07	1.68	18	0.06	8.65	83	1.2	
JNL051 05+75W		<0.005	0.04	2.95	17	<0.05	9.15	108	1.9	
JNL051 06+00W		<0.005	0.05	0.64	16	<0.05	2.24	63	0.7	
JNL051 06+25W		<0.005	0.04	1.04	17	<0.05	3.27	88	0.9	
JNL051 06+75W A		<0.005	0.04	1.75	14	<0.05	6.27	111	0.7	
JNL051 06+75W B		<0.005	0.03	0.77	17	<0.05	3.60	88	1.2	
JNL051 07+00W		0.005	0.03	0.55	10	0.05	1.32	30	0.6	
JNL052 00+00		0.006	0.05	2.07	17	0.07	5.66	153	1.5	
JNL052 00+25E		0.007	0.06	1.75	16	0.09	4.41	107	1.2	
JNL052 00+50E		<0.005	0.06	3.41	14	<0.05	9.35	147	1.2	
JNL052 00+75E		0.005	0.06	1.42	16	0.05	4.38	105	1.2	
JNL052 01+00E		<0.005	0.05	2.08	15	<0.05	5.32	143	1.6	
JNL052 01+25E		<0.005	0.06	2.04	12	<0.05	5.64	105	1.0	
JNL052 01+50E		<0.005	0.06	1.86	15	0.15	5.11	96	1.1	
JNL052 01+75E		<0.005	0.05	1.80	14	0.12	5.62	111	1.4	
JNL052 02+00E		<0.005	0.05	2.31	11	<0.05	6.85	106	0.7	
JNL052 02+25E		<0.005	0.07	2.93	9	<0.05	5.87	98	0.7	
JNL052 02+50E		<0.005	0.04	2.56	12	<0.05	7.65	146	1.2	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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
	LOD	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
JNL052 02+75E		0.55	0.0146	0.13	1.44	150.5	<0.02	<10	20	0.31	0.36	0.03	0.11	30.3	17.4	44
JNL052 03+00E		0.73	0.0079	0.22	1.61	84.7	<0.02	<10	30	0.53	0.45	0.03	0.13	32.2	20.1	28
JNL052 03+25E		0.66	0.0160	0.14	1.79	114.5	<0.02	<10	20	0.58	0.63	0.05	0.14	51.5	25.8	23
JNL052 03+50E		0.63	0.0046	0.12	2.00	40.9	<0.02	<10	20	0.50	0.45	0.05	0.14	53.4	24.1	28
JNL052 03+75E		0.82	0.0056	0.12	1.95	46.2	<0.02	<10	20	0.49	0.47	0.02	0.19	52.6	23.8	27
JNL052 04+00E		0.73	0.0090	0.12	2.13	36.3	<0.02	<10	30	0.49	0.43	0.05	0.12	47.3	19.7	28
JNL052 04+25E		0.67	>0.1000	0.25	1.28	324	0.16	<10	60	0.55	0.40	0.55	0.12	31.2	25.7	18
JNL052 04+50E		0.73	0.0054	0.10	1.53	53.0	<0.02	<10	40	0.47	0.48	0.19	0.10	41.1	15.5	23
JNL052 04+75E		0.81	0.0037	0.11	1.71	58.3	<0.02	<10	30	0.48	0.38	0.23	0.13	29.0	13.2	22
JNL052 05+00E		0.62	0.0031	0.16	1.22	51.0	<0.02	<10	40	0.45	0.36	0.20	0.12	19.80	8.7	17
JNL052 05+25E		0.79	0.0030	0.19	1.83	40.1	<0.02	<10	40	0.41	0.43	0.11	0.09	35.8	17.1	24
JNL052 05+50E		0.88	0.0241	0.18	1.49	96.2	0.03	<10	20	0.42	0.54	0.15	0.17	50.0	17.1	23
JNL052 05+75E		0.84	0.0068	0.10	1.81	44.9	<0.02	<10	40	0.44	0.42	0.07	0.13	43.5	13.5	25
JNL052 06+00E		1.06	0.0066	0.25	1.96	38.1	<0.02	<10	40	0.50	0.43	0.23	0.16	42.7	13.8	27
JNL052 06+25E		0.68	0.0032	0.15	1.77	36.0	<0.02	<10	40	0.34	0.41	0.35	0.08	31.9	11.1	23
JNL052 06+50E		0.79	0.0050	0.14	1.91	35.8	<0.02	<10	30	0.44	0.38	0.15	0.14	54.0	16.4	29
JNL052 06+75E		0.72	0.0029	0.10	1.85	21.3	<0.02	<10	40	0.42	0.33	0.19	0.08	44.0	12.8	27
JNL052 07+00E		1.14	0.0044	0.14	1.78	30.4	<0.02	<10	40	0.45	0.35	0.18	0.09	46.3	12.1	26
JNL052 07+25E		0.80	0.0179	0.22	1.88	40.3	<0.02	<10	40	0.50	0.45	0.21	0.14	46.0	13.2	28
JNL052 07+50E		Empty Bag														
JNL052 07+75E		0.77	0.0034	0.15	1.96	26.3	<0.02	<10	40	0.47	0.38	0.32	0.11	37.0	12.1	27
JNL052 08+00E		0.85	0.0315	0.14	2.14	52.0	<0.02	<10	50	0.61	0.44	0.09	0.12	51.2	15.4	30
JNL052 08+25E		0.72	0.0038	0.09	0.89	175.5	<0.02	<10	20	0.26	0.91	0.03	0.12	32.4	15.1	19
JNL052 08+50E		0.61	0.0031	0.04	0.65	49.2	<0.02	<10	20	0.24	0.38	0.02	0.06	25.4	4.9	10
JNL052 08+75E		0.65	0.0016	0.13	1.73	37.1	<0.02	<10	30	0.39	0.64	0.08	0.12	33.9	12.3	20
JNL052 09+00E		0.66	0.0028	0.27	0.63	88.6	<0.02	<10	30	0.46	0.43	0.42	0.21	35.1	15.5	11
JNL051 07+25W		0.87	0.0502	0.43	1.11	227	0.06	<10	30	0.54	0.58	0.01	0.31	45.5	25.0	15
JNL051 07+50W		0.64	0.0032	0.08	1.15	32.6	<0.02	<10	20	0.34	0.29	0.04	0.08	18.15	16.0	14
JNL051 07+75W		Empty Bag														
JNL051 08+00W		0.73	0.0096	0.14	1.71	80.1	<0.02	<10	20	0.53	0.57	0.04	0.12	34.1	17.3	23
JNL051 08+25W		0.69	0.0027	0.11	1.14	25.0	<0.02	<10	20	0.30	0.34	0.06	0.05	17.50	9.3	13
JNL051 08+50W		Empty Bag														
JNL051 08+75W		0.65	0.0022	0.07	1.82	59.5	<0.02	<10	40	0.56	0.44	0.07	0.16	27.2	19.3	21
JNL051 09+00W		0.66	0.0024	0.26	1.70	30.4	<0.02	<10	50	0.50	0.35	0.24	0.13	23.5	9.4	18
JNL051 09+25W		0.77	0.0008	0.14	1.37	11.6	<0.02	<10	40	0.27	0.27	0.03	0.09	23.3	5.5	16
JNL051 09+50W		0.93	0.0043	0.42	2.02	36.6	<0.02	<10	40	0.74	0.58	0.18	0.20	41.0	17.9	27
JNL051 09+75		0.57	0.0038	0.22	1.79	77.8	<0.02	<10	50	0.63	0.50	0.08	0.30	25.7	12.8	24
JNL051 10+00W		0.61	0.0065	0.18	1.77	70.8	<0.02	<10	50	0.64	0.49	0.18	0.19	28.3	14.7	22
JNL049 00+00		0.71	0.0041	0.24	0.59	100.5	<0.02	<10	30	0.45	0.48	0.62	0.26	35.6	16.8	13
JNL049 00+25W		0.58	0.0032	0.18	0.64	96.1	<0.02	<10	30	0.43	0.49	0.23	0.35	35.8	17.1	13

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CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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
JNL052 02+75E		1.30	32.2	3.76	4.55	0.05	0.03	0.06	0.032	0.05	16.3	29.7	0.44	608	3.55	<0.01
JNL052 03+00E		1.41	38.6	4.18	4.96	0.05	0.05	0.04	0.030	0.04	17.6	36.4	0.54	814	1.38	<0.01
JNL052 03+25E		1.39	58.5	4.93	5.59	0.09	0.03	0.03	0.036	0.03	28.5	45.5	0.67	768	0.69	<0.01
JNL052 03+50E		1.27	42.6	4.64	5.98	0.08	0.04	0.02	0.027	0.03	30.1	57.1	0.78	688	0.63	<0.01
JNL052 03+75E		1.24	46.2	4.63	6.18	0.08	0.02	0.01	0.024	0.02	30.2	58.6	0.77	657	0.53	<0.01
JNL052 04+00E		1.13	42.8	4.41	6.42	0.07	0.05	0.02	0.024	0.04	24.7	61.0	0.76	474	0.40	<0.01
JNL052 04+25E		2.36	37.5	4.81	3.81	0.05	0.08	0.03	0.028	0.05	17.4	27.9	0.34	1850	1.26	<0.01
JNL052 04+50E		4.19	33.7	3.96	5.00	0.06	0.08	0.02	0.032	0.04	22.4	37.8	0.51	366	0.84	<0.01
JNL052 04+75E		1.73	28.8	3.85	5.04	0.05	0.09	0.01	0.029	0.04	17.4	46.5	0.59	660	0.98	<0.01
JNL052 05+00E		1.49	23.2	2.95	4.13	<0.05	0.06	0.02	0.020	0.04	12.0	23.7	0.34	363	0.93	0.01
JNL052 05+25E		1.67	24.8	3.96	5.73	0.05	0.07	0.02	0.029	0.03	20.0	53.8	0.63	758	0.79	<0.01
JNL052 05+50E		1.48	42.5	4.18	4.71	0.08	0.04	0.02	0.028	0.03	28.7	45.5	0.54	506	0.98	<0.01
JNL052 05+75E		1.29	27.3	3.85	5.34	0.06	0.05	0.01	0.029	0.03	23.5	55.2	0.65	417	0.78	<0.01
JNL052 06+00E		1.71	30.3	3.95	5.40	0.06	0.07	0.02	0.030	0.04	25.1	64.2	0.70	362	0.74	<0.01
JNL052 06+25E		2.00	18.9	3.39	5.10	<0.05	0.05	0.02	0.026	0.04	18.1	53.8	0.61	301	0.86	<0.01
JNL052 06+50E		1.32	29.8	3.87	5.77	0.08	0.06	0.01	0.026	0.05	29.0	65.8	0.80	392	0.73	<0.01
JNL052 06+75E		1.32	25.6	3.52	5.58	0.07	0.06	0.01	0.018	0.06	24.7	59.5	0.76	306	0.55	<0.01
JNL052 07+00E		1.42	26.1	3.51	5.33	0.08	0.06	0.01	0.023	0.06	25.7	57.7	0.70	308	0.66	<0.01
JNL052 07+25E		1.79	26.2	3.69	5.35	0.06	0.08	0.02	0.031	0.06	26.1	59.0	0.72	350	0.84	<0.01
JNL052 07+50E																
JNL052 07+75E		1.56	22.8	3.57	5.56	0.06	0.07	0.02	0.025	0.05	21.1	62.7	0.74	316	0.64	<0.01
JNL052 08+00E		1.53	29.6	4.07	6.20	0.07	0.06	0.02	0.029	0.07	27.0	67.7	0.80	374	0.58	<0.01
JNL052 08+25E		1.39	33.5	4.68	4.59	0.05	<0.02	0.02	0.034	0.04	17.7	15.0	0.22	378	1.07	<0.01
JNL052 08+50E		1.29	12.1	2.39	2.51	<0.05	<0.02	0.01	0.031	0.03	13.8	5.8	0.06	157	0.59	<0.01
JNL052 08+75E		0.65	28.9	4.63	4.20	0.05	0.06	0.04	0.051	0.03	14.5	30.6	0.42	350	0.57	<0.01
JNL052 09+00E		0.79	34.6	3.57	1.92	0.06	0.04	0.07	0.039	0.02	19.2	7.9	0.10	335	0.55	<0.01
JNL051 07+25W		1.63	56.2	4.97	3.17	0.06	0.02	0.03	0.054	0.04	24.8	21.4	0.32	1260	1.13	<0.01
JNL051 07+50W		0.90	33.3	2.66	3.77	0.05	0.02	0.02	0.016	0.03	10.0	24.8	0.35	540	0.57	0.01
JNL051 07+75W																
JNL051 08+00W		1.92	45.5	4.62	4.89	0.06	0.03	0.02	0.029	0.04	19.4	40.7	0.62	458	0.76	<0.01
JNL051 08+25W		1.50	26.5	2.45	3.60	<0.05	0.02	0.02	0.013	0.03	10.2	22.6	0.33	233	0.58	0.01
JNL051 08+50W																
JNL051 08+75W		1.70	39.4	3.33	5.02	0.05	0.07	0.02	0.037	0.04	14.9	42.5	0.53	547	0.62	0.01
JNL051 09+00W		2.36	28.2	2.90	4.84	<0.05	0.05	0.02	0.032	0.04	13.1	36.9	0.45	269	0.48	0.01
JNL051 09+25W		1.13	14.9	2.17	4.47	<0.05	0.03	0.03	0.018	0.03	12.7	26.4	0.33	244	0.50	0.01
JNL051 09+50W		3.15	51.9	4.00	5.68	0.07	0.09	0.02	0.039	0.04	23.2	61.4	0.74	321	1.00	<0.01
JNL051 09+75		3.42	38.4	3.74	5.19	<0.05	0.11	0.01	0.064	0.04	14.0	39.5	0.51	442	0.94	<0.01
JNL051 10+00W		2.99	42.2	3.75	5.12	0.05	0.06	0.02	0.053	0.04	16.2	39.2	0.51	448	0.98	0.01
JNL049 00+00		0.71	38.4	3.83	1.84	0.07	0.04	0.08	0.044	0.03	19.2	8.0	0.12	409	0.62	<0.01
JNL049 00+25W		0.70	33.2	3.88	1.98	0.06	0.04	0.07	0.042	0.03	18.6	9.3	0.14	437	0.62	<0.01

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Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL052 02+75E		0.17	50.2	860	35.3	5.1	0.001	0.04	2.68	1.4	0.3	0.2	4.7	<0.01	0.07	4.6
JNL052 03+00E		0.08	38.7	750	53.6	4.3	0.001	0.04	2.76	1.3	0.2	<0.2	4.7	<0.01	0.05	4.7
JNL052 03+25E		<0.05	43.9	580	58.5	4.0	<0.001	0.01	4.50	1.8	0.2	0.2	9.1	<0.01	0.07	8.8
JNL052 03+50E		0.06	43.5	410	67.7	3.4	<0.001	0.01	2.54	1.7	0.3	<0.2	6.6	<0.01	0.06	10.0
JNL052 03+75E		0.06	44.7	300	69.1	3.2	<0.001	<0.01	2.70	1.7	0.2	<0.2	4.9	<0.01	0.06	10.0
JNL052 04+00E		0.18	43.0	480	40.5	5.3	0.001	0.01	1.54	1.6	0.2	0.2	7.5	<0.01	0.06	7.8
JNL052 04+25E		0.12	38.8	930	35.6	7.1	0.001	0.04	5.38	1.8	0.7	0.2	45.6	<0.01	0.05	3.7
JNL052 04+50E		0.28	35.2	510	26.7	6.2	<0.001	0.02	2.35	1.7	0.2	0.3	27.0	<0.01	0.06	6.5
JNL052 04+75E		0.19	30.2	620	33.0	6.4	<0.001	0.03	1.88	1.3	0.2	0.2	22.7	<0.01	0.04	4.8
JNL052 05+00E		0.27	20.1	1250	21.6	5.3	<0.001	0.07	1.66	0.9	0.2	0.2	20.9	<0.01	0.05	1.9
JNL052 05+25E		0.19	31.3	610	36.8	6.3	<0.001	0.02	1.44	1.4	0.2	0.2	15.8	<0.01	0.04	4.9
JNL052 05+50E		0.14	36.6	610	38.8	4.9	<0.001	0.02	2.44	1.8	0.4	0.2	18.9	<0.01	0.04	6.0
JNL052 05+75E		0.18	34.1	510	31.4	5.4	<0.001	0.02	1.30	1.6	0.2	0.2	12.0	<0.01	0.05	5.8
JNL052 06+00E		0.15	39.0	550	29.0	6.5	<0.001	0.02	1.03	2.0	0.4	0.2	27.2	<0.01	0.04	7.2
JNL052 06+25E		0.21	30.3	560	27.2	6.6	<0.001	0.03	0.88	1.3	0.2	0.2	33.5	<0.01	0.03	4.7
JNL052 06+50E		0.23	37.6	390	30.7	5.3	<0.001	0.01	0.87	2.0	<0.2	0.2	19.9	<0.01	0.05	9.3
JNL052 06+75E		0.32	33.8	390	20.5	6.1	<0.001	0.02	0.65	1.7	<0.2	0.2	22.3	<0.01	0.02	8.0
JNL052 07+00E		0.26	34.0	400	21.1	6.1	<0.001	0.01	0.81	1.8	<0.2	0.3	20.7	<0.01	0.03	8.5
JNL052 07+25E		0.24	34.9	410	26.4	7.1	<0.001	0.02	0.83	2.0	0.3	0.3	25.3	<0.01	0.03	8.6
JNL052 07+50E																
JNL052 07+75E		0.32	33.6	460	22.3	6.7	<0.001	0.02	0.66	1.6	0.3	0.2	31.7	<0.01	0.03	6.5
JNL052 08+00E		0.36	38.2	440	31.1	8.7	<0.001	0.01	0.78	1.9	<0.2	0.3	17.3	<0.01	0.04	8.6
JNL052 08+25E		0.42	29.1	700	47.6	5.6	<0.001	0.02	3.96	1.0	0.4	0.5	16.9	<0.01	0.08	1.0
JNL052 08+50E		0.26	11.2	500	27.3	6.3	<0.001	0.01	2.79	0.5	0.2	0.5	22.0	<0.01	0.04	0.8
JNL052 08+75E		0.36	25.8	630	58.6	5.0	<0.001	0.04	1.20	1.8	0.4	0.2	9.6	<0.01	0.06	6.3
JNL052 09+00E		0.14	36.2	790	35.5	3.2	<0.001	0.04	3.13	2.6	0.6	0.3	50.1	<0.01	0.05	3.7
JNL051 07+25W		0.05	41.9	450	184.5	4.1	<0.001	0.02	6.34	1.6	0.2	0.2	5.5	<0.01	0.08	7.6
JNL051 07+50W		0.14	23.0	520	34.3	2.6	<0.001	0.02	1.61	0.5	0.2	<0.2	6.7	<0.01	0.04	0.9
JNL051 07+75W																
JNL051 08+00W		0.10	33.8	610	32.7	4.1	<0.001	0.03	3.19	1.2	0.3	0.2	8.3	<0.01	0.07	7.0
JNL051 08+25W		0.16	19.1	560	21.2	3.4	<0.001	0.04	1.80	0.5	0.3	<0.2	9.5	<0.01	0.04	1.6
JNL051 08+50W																
JNL051 08+75W		0.30	28.0	650	46.5	5.7	<0.001	0.03	1.39	1.3	<0.2	0.2	10.0	0.01	0.06	3.7
JNL051 09+00W		0.21	24.2	780	34.5	6.1	<0.001	0.04	1.21	0.9	0.3	0.2	28.7	<0.01	0.03	1.7
JNL051 09+25W		0.23	15.8	830	16.1	5.2	<0.001	0.04	0.70	0.3	<0.2	0.2	5.8	<0.01	0.03	0.7
JNL051 09+50W		0.09	40.1	580	50.2	5.2	<0.001	0.05	1.56	2.4	0.4	0.2	24.5	<0.01	0.06	6.8
JNL051 09+75		0.24	28.8	850	63.5	8.4	<0.001	0.05	2.25	1.5	<0.2	0.3	13.5	<0.01	0.07	4.0
JNL051 10+00W		0.26	29.7	630	54.6	7.1	<0.001	0.04	2.17	1.4	0.2	0.3	27.1	<0.01	0.05	3.8
JNL049 00+00		0.10	40.0	730	41.2	3.0	<0.001	0.03	3.91	3.1	0.7	0.3	56.5	<0.01	0.06	5.4
JNL049 00+25W		0.10	38.1	810	41.9	3.5	<0.001	0.03	3.51	2.8	0.4	0.3	37.6	<0.01	0.05	4.2

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL052 02+75E		<0.005	0.05	1.16	13	0.11	4.27	89	0.9	
JNL052 03+00E		<0.005	0.05	1.31	13	0.05	4.28	103	1.4	
JNL052 03+25E		<0.005	0.05	1.26	13	<0.05	5.42	115	1.1	
JNL052 03+50E		<0.005	0.03	0.89	14	<0.05	4.15	122	1.4	
JNL052 03+75E		<0.005	0.02	0.98	14	<0.05	4.05	140	1.1	
JNL052 04+00E		<0.005	0.03	0.74	17	0.05	3.65	100	1.4	
JNL052 04+25E		<0.005	0.09	2.40	13	0.11	8.29	88	2.4	0.14
JNL052 04+50E		<0.005	0.04	1.65	16	0.17	4.81	101	2.4	
JNL052 04+75E		<0.005	0.04	1.29	15	0.07	4.35	92	2.6	
JNL052 05+00E		0.006	0.06	1.93	15	0.10	4.63	64	1.8	
JNL052 05+25E		<0.005	0.06	1.44	16	0.08	3.59	97	1.9	
JNL052 05+50E		<0.005	0.06	1.98	16	0.07	6.57	100	0.9	
JNL052 05+75E		<0.005	0.06	2.16	16	0.06	4.93	97	1.5	
JNL052 06+00E		<0.005	0.06	3.58	16	0.08	7.78	111	2.6	
JNL052 06+25E		<0.005	0.06	1.65	15	0.08	3.39	93	1.6	
JNL052 06+50E		0.009	0.05	2.23	18	0.09	5.94	98	2.1	
JNL052 06+75E		0.009	0.06	1.62	17	0.09	4.76	83	1.9	
JNL052 07+00E		0.007	0.06	2.31	16	0.08	5.43	85	1.9	
JNL052 07+25E		0.006	0.08	3.74	17	0.09	6.56	95	2.6	
JNL052 07+50E										
JNL052 07+75E		0.006	0.05	2.43	17	0.06	4.90	90	2.3	
JNL052 08+00E		0.009	0.08	1.47	19	0.08	4.67	99	2.1	
JNL052 08+25E		0.010	0.17	1.06	24	0.25	3.54	90	<0.5	
JNL052 08+50E		0.005	0.20	0.80	14	0.31	2.15	44	<0.5	
JNL052 08+75E		<0.005	0.06	0.82	14	0.09	4.45	75	1.9	
JNL052 09+00E		<0.005	0.12	2.80	11	0.36	10.05	87	1.2	
JNL051 07+25W		<0.005	0.06	2.64	9	<0.05	6.32	226	0.7	
JNL051 07+50W		0.009	0.03	0.96	13	<0.05	3.08	63	0.6	
JNL051 07+75W										
JNL051 08+00W		<0.005	0.05	1.22	14	<0.05	3.40	98	0.9	
JNL051 08+25W		0.005	0.03	0.80	10	<0.05	2.55	51	0.9	
JNL051 08+50W										
JNL051 08+75W		0.007	0.05	3.36	15	0.06	4.17	98	2.2	
JNL051 09+00W		0.005	0.06	2.53	16	<0.05	4.98	91	1.4	
JNL051 09+25W		0.005	0.06	0.56	14	0.05	1.73	51	1.0	
JNL051 09+50W		<0.005	0.04	8.44	15	<0.05	9.72	140	2.6	
JNL051 09+75		<0.005	0.06	2.27	16	0.06	5.90	127	3.3	
JNL051 10+00W		<0.005	0.07	2.49	16	0.05	8.31	110	1.7	
JNL049 00+00		<0.005	0.15	1.96	12	0.37	10.10	106	1.3	
JNL049 00+25W		<0.005	0.14	2.14	12	0.35	9.82	117	1.5	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	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
Method / 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
LOD	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
JNL049 00+50W	0.59	0.0029	0.16	0.69	91.6	<0.02	<10	30	0.46	0.39	0.27	0.31	38.9	14.1	13
JNL049 00+75W	0.73	0.0028	0.19	0.62	87.1	<0.02	<10	30	0.41	0.42	0.37	0.20	35.6	15.5	12
JNL049 01+00W	0.49	0.0020	0.11	0.81	26.1	<0.02	<10	30	0.24	0.23	0.28	0.04	12.05	3.6	6
JNL049 01+25W	0.57	0.0124	0.18	1.66	46.1	<0.02	<10	50	0.47	0.48	0.32	0.21	46.0	12.2	25
JNL049 01+50W	0.65	0.0019	0.07	1.50	46.0	<0.02	<10	50	0.44	0.62	0.24	0.31	39.8	15.2	21
JNL049 01+75W	0.65	0.0023	0.09	1.40	45.5	<0.02	<10	50	0.49	0.54	0.14	0.39	41.0	16.4	19
JNL049 02+00W	0.72	0.0048	0.42	1.40	57.7	<0.02	<10	30	0.56	0.69	0.21	0.39	36.8	17.5	18
JNL049 02+25W	0.65	0.0032	0.13	1.41	41.6	<0.02	<10	30	0.53	0.48	0.15	0.32	44.0	15.8	20
JNL049 02+50W	0.61	0.0022	0.07	1.29	57.4	<0.02	<10	30	0.34	0.72	0.20	0.26	38.5	13.0	20
JNL049 02+75W	0.50	0.0011	0.08	1.41	39.4	<0.02	<10	30	0.43	0.62	0.23	0.38	30.6	15.3	20
JNL049 03+00W	0.68	0.0016	0.14	1.48	43.6	<0.02	<10	50	0.54	0.57	0.29	0.45	37.0	17.4	17
JNL049 03+25W	0.70	0.0024	0.06	1.10	134.0	<0.02	<10	50	0.27	0.94	0.04	0.16	34.9	13.7	16
JNL049 03+50W	0.53	0.0016	0.21	0.95	77.9	<0.02	<10	50	0.32	0.47	0.30	0.11	24.9	10.1	11
JNL049 03+75W	0.66	0.0022	0.07	1.49	107.0	<0.02	<10	30	0.49	0.98	0.26	0.22	40.5	19.0	22
JNL049 04+00W	0.66	0.0108	0.15	1.60	112.5	0.02	<10	50	0.51	0.46	0.17	0.07	54.4	15.9	24
JNL049 04+25W	0.85	0.0049	0.18	1.71	394	<0.02	<10	40	0.98	1.06	0.23	0.29	117.5	35.4	22
JNL049 04+50W	0.47	0.0011	0.39	0.61	20.8	<0.02	<10	20	0.18	0.16	0.04	0.06	11.10	2.2	7
JNL049 04+75W	0.70	0.0008	0.03	1.01	36.3	<0.02	<10	40	0.12	0.27	0.08	0.21	35.2	4.2	18
JNL048 00+00	0.47	0.0027	0.19	0.68	93.7	<0.02	<10	30	0.41	0.44	0.60	0.31	38.1	15.5	13
JNL048 00+25W	0.57	0.0028	0.20	0.76	82.9	<0.02	<10	40	0.41	0.50	0.47	0.54	30.9	13.9	11
JNL048 00+50W	0.68	0.0034	0.29	0.55	90.0	<0.02	<10	20	0.50	0.51	0.32	0.38	47.8	18.1	12
JNL048 00+75W	0.54	0.0018	0.20	0.60	128.0	<0.02	<10	30	0.49	0.55	0.46	0.23	44.1	18.9	14
JNL048 01+00W	0.63	0.0014	0.23	0.56	104.0	<0.02	<10	20	0.51	0.52	1.20	0.31	41.4	18.0	14
JNL048 01+25W	0.75	0.0030	0.22	0.70	76.6	<0.02	<10	20	0.48	0.55	0.29	0.19	40.2	15.1	15
JNL048 01+50W	0.85	0.0024	0.16	1.22	43.8	<0.02	<10	50	0.49	0.50	0.37	0.17	31.5	9.9	17
JNL048 01+75W	0.64	0.0052	0.18	1.76	119.5	<0.02	<10	40	0.59	0.60	0.30	0.19	61.2	18.3	29
JNL048 02+00W	0.62	0.0151	0.09	1.49	251	0.02	<10	80	0.59	0.49	0.20	0.10	45.6	13.5	22
JNL048 02+25W	0.59	0.0054	0.08	1.71	76.0	<0.02	<10	60	0.40	0.56	0.21	0.11	37.5	9.5	25
JNL048 02+50W	0.64	0.0061	0.13	1.90	89.7	<0.02	<10	70	0.60	0.53	0.22	0.13	38.3	13.0	25
JNL048 02+75W	0.65	0.0010	0.05	1.52	31.7	<0.02	<10	50	0.52	0.57	0.38	0.29	36.4	15.5	21
JNL048 03+00W	0.50	0.0015	0.10	0.95	39.2	<0.02	<10	40	0.32	0.29	0.29	0.17	23.1	9.2	13
JNL048 03+25W	0.57	0.0018	0.04	1.50	49.2	<0.02	<10	30	0.29	0.59	0.04	0.16	32.3	13.8	21
JNL048 03+50W	0.60	0.0009	0.05	0.95	57.0	<0.02	<10	30	0.22	0.61	0.24	0.11	31.9	9.6	14
JNL048 03+75W	0.68	0.0017	0.04	1.07	92.8	<0.02	<10	50	0.27	0.46	0.30	0.11	35.6	12.7	18
JNL048 04+00W	0.77	0.0047	0.07	1.53	88.3	<0.02	<10	50	0.41	0.39	0.19	0.10	44.2	11.3	23
JNL048 04+25W	0.70	0.0056	0.07	1.51	117.0	<0.02	<10	40	0.36	0.41	0.12	0.07	44.6	12.3	25
JNL048 04+50W	0.61	>0.1000	0.10	0.91	1255	0.58	<10	40	0.26	0.86	0.10	0.08	45.6	6.0	17
JNL048 04+75W	0.61	0.0199	0.26	1.78	549	0.04	<10	70	0.66	0.79	0.31	0.20	54.6	19.3	26
JNL048 05+00W	0.45	0.0116	0.40	1.71	420	<0.02	<10	90	0.78	0.61	0.57	0.07	29.3	14.3	17
JNL048 05+25W	0.40	0.0092	0.24	1.58	101.5	0.02	<10	60	0.53	0.61	0.60	0.09	33.5	13.2	22

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CRANBROOK BC V1C 2R7

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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	%
	LOD	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
JNL049 00+50W		0.77	28.0	3.94	1.78	0.06	0.03	0.06	0.047	0.02	19.2	5.8	0.08	399	0.61	<0.01
JNL049 00+75W		0.82	29.0	3.84	1.77	0.06	0.04	0.05	0.046	0.02	17.9	6.4	0.13	382	0.61	<0.01
JNL049 01+00W		0.72	10.4	1.23	2.77	<0.05	0.04	0.01	0.013	0.02	7.0	8.9	0.13	144	0.44	0.02
JNL049 01+25W		1.17	25.1	3.73	4.78	0.06	0.06	0.01	0.034	0.05	25.4	44.4	0.63	375	0.80	<0.01
JNL049 01+50W		1.50	34.1	4.23	5.20	0.07	0.02	0.01	0.041	0.05	20.3	31.7	0.72	771	0.89	<0.01
JNL049 01+75W		0.94	30.9	3.96	4.49	0.06	0.04	0.01	0.041	0.04	19.0	30.8	0.55	966	0.76	<0.01
JNL049 02+00W		1.10	40.3	3.80	3.92	0.05	0.04	0.04	0.049	0.05	19.4	30.7	0.49	732	0.63	<0.01
JNL049 02+25W		0.76	37.0	3.85	3.88	0.07	0.05	0.02	0.034	0.03	21.7	37.5	0.57	592	0.48	<0.01
JNL049 02+50W		1.13	26.2	4.09	5.51	0.05	0.03	0.01	0.059	0.04	19.3	29.3	0.49	562	0.86	<0.01
JNL049 02+75W		0.84	21.9	4.82	5.75	0.06	0.02	0.02	0.046	0.04	13.2	30.6	0.56	842	0.72	<0.01
JNL049 03+00W		0.92	29.1	3.93	4.63	0.05	0.04	0.03	0.046	0.04	18.9	30.5	0.44	1200	0.58	<0.01
JNL049 03+25W		0.66	23.9	4.57	5.44	0.05	0.02	0.02	0.036	0.03	16.2	19.7	0.33	907	0.57	<0.01
JNL049 03+50W		0.73	16.5	2.53	3.97	<0.05	0.02	0.01	0.031	0.03	12.9	16.7	0.27	471	0.57	0.01
JNL049 03+75W		0.79	33.8	4.84	4.87	0.07	0.05	0.01	0.055	0.04	20.7	42.1	0.65	787	0.75	<0.01
JNL049 04+00W		1.79	31.9	3.89	4.97	0.07	0.07	0.02	0.031	0.04	33.0	45.4	0.59	423	0.55	<0.01
JNL049 04+25W		4.12	58.2	5.34	5.18	0.14	0.06	0.02	0.060	0.05	55.8	50.0	0.63	1020	0.49	<0.01
JNL049 04+50W		1.30	11.1	1.31	2.77	<0.05	<0.02	0.02	0.009	0.02	6.3	7.7	0.12	80	0.59	0.01
JNL049 04+75W		1.49	9.0	2.40	5.94	0.05	<0.02	0.01	0.010	0.03	18.5	22.0	0.32	86	0.44	<0.01
JNL048 00+00		0.55	35.0	3.57	2.16	0.05	0.04	0.04	0.032	0.03	20.5	12.2	0.19	380	0.51	0.01
JNL048 00+25W		0.75	30.3	3.22	2.24	0.05	0.05	0.05	0.034	0.03	16.0	9.5	0.13	428	0.49	0.01
JNL048 00+50W		0.87	36.7	3.99	1.81	0.06	0.05	0.08	0.052	0.03	24.2	7.5	0.11	581	0.68	<0.01
JNL048 00+75W		0.93	37.3	4.25	2.10	0.08	0.05	0.07	0.040	0.03	23.4	11.5	0.20	486	0.54	<0.01
JNL048 01+00W		0.92	40.6	4.18	1.98	0.07	0.03	0.07	0.040	0.03	22.4	10.4	0.19	419	0.55	<0.01
JNL048 01+25W		1.04	38.5	3.42	2.36	0.06	0.04	0.06	0.040	0.03	21.8	14.9	0.20	208	0.70	<0.01
JNL048 01+50W		1.21	27.5	3.01	3.80	<0.05	0.07	0.02	0.031	0.05	16.2	23.6	0.39	439	0.61	<0.01
JNL048 01+75W		1.91	41.8	4.77	5.45	0.08	0.09	0.01	0.034	0.05	30.7	45.3	0.67	570	0.57	<0.01
JNL048 02+00W		1.81	27.3	3.73	4.97	0.06	0.03	0.02	0.030	0.05	23.3	28.7	0.40	346	0.55	<0.01
JNL048 02+25W		1.66	20.9	3.69	5.96	0.05	0.07	0.02	0.035	0.07	20.5	44.0	0.56	321	0.64	<0.01
JNL048 02+50W		1.63	26.1	3.73	5.82	0.05	0.11	0.02	0.037	0.07	21.4	48.1	0.59	358	0.57	<0.01
JNL048 02+75W		0.91	26.8	4.22	4.99	0.05	0.05	0.01	0.040	0.05	17.3	36.8	0.73	850	0.75	<0.01
JNL048 03+00W		0.91	12.2	2.81	3.51	<0.05	0.02	0.01	0.032	0.03	12.4	22.2	0.31	829	0.48	<0.01
JNL048 03+25W		0.93	19.2	5.36	5.28	0.05	0.02	0.02	0.038	0.03	14.9	34.4	0.49	728	0.74	<0.01
JNL048 03+50W		1.04	15.1	3.59	5.69	<0.05	<0.02	0.01	0.026	0.04	16.4	17.9	0.32	470	0.74	<0.01
JNL048 03+75W		1.72	16.6	3.37	4.50	0.05	0.04	0.01	0.028	0.04	18.3	23.9	0.41	811	0.74	<0.01
JNL048 04+00W		1.32	21.6	3.73	4.56	0.06	0.06	0.01	0.024	0.04	25.8	42.6	0.57	523	0.44	<0.01
JNL048 04+25W		1.22	22.7	4.04	5.02	0.06	0.04	0.01	0.024	0.03	26.7	46.4	0.60	386	0.51	<0.01
JNL048 04+50W		2.97	70.3	3.08	4.61	0.05	<0.02	0.03	0.021	0.05	22.8	18.3	0.26	208	0.74	<0.01
JNL048 04+75W		2.65	38.6	5.11	5.28	0.08	0.08	0.03	0.076	0.05	33.2	45.2	0.61	763	0.60	<0.01
JNL048 05+00W		3.17	32.9	3.49	4.59	0.05	0.07	0.04	0.041	0.05	18.5	29.5	0.29	747	0.81	0.01
JNL048 05+25W		1.86	30.5	3.83	4.96	<0.05	0.05	0.03	0.032	0.04	19.1	40.9	0.48	420	0.75	0.01

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL049 00+50W		0.11	36.1	910	40.4	3.3	<0.001	0.04	4.05	3.1	0.5	0.3	39.9	<0.01	0.06	3.4
JNL049 00+75W		0.10	34.6	850	44.4	3.4	<0.001	0.03	3.98	2.6	0.4	0.3	46.1	<0.01	0.06	3.6
JNL049 01+00W		0.46	7.6	460	14.3	2.7	<0.001	0.05	0.43	0.7	0.2	0.2	26.3	0.01	0.02	0.8
JNL049 01+25W		0.29	33.6	620	27.8	7.2	<0.001	0.02	0.94	2.5	0.2	0.3	56.0	<0.01	0.03	6.9
JNL049 01+50W		0.25	29.3	840	54.6	7.6	<0.001	0.02	1.72	1.8	0.3	0.2	28.0	<0.01	0.04	5.6
JNL049 01+75W		0.22	27.1	750	58.2	6.1	<0.001	0.02	1.49	2.0	<0.2	0.2	17.1	<0.01	0.03	5.9
JNL049 02+00W		0.20	29.6	780	70.2	4.8	<0.001	0.03	1.81	2.3	0.7	0.2	20.6	<0.01	0.04	5.0
JNL049 02+25W		0.23	31.4	810	48.4	4.1	<0.001	0.02	1.48	2.3	0.3	0.2	13.5	<0.01	0.02	9.7
JNL049 02+50W		0.31	24.0	500	62.4	6.5	<0.001	0.03	1.90	1.5	0.2	0.3	22.3	<0.01	0.04	6.1
JNL049 02+75W		0.45	23.2	890	64.3	6.9	<0.001	0.04	1.55	1.2	<0.2	0.2	22.1	0.01	0.05	3.4
JNL049 03+00W		0.28	25.0	850	66.2	7.3	<0.001	0.05	1.75	2.2	0.2	0.2	29.2	0.01	0.04	4.4
JNL049 03+25W		0.29	21.9	770	98.8	4.5	<0.001	0.04	2.37	1.3	0.2	0.2	6.2	<0.01	0.04	4.1
JNL049 03+50W		0.30	14.9	610	64.5	5.5	0.001	0.04	1.21	0.8	0.2	0.2	27.4	<0.01	0.03	1.5
JNL049 03+75W		0.11	32.7	830	78.0	4.8	<0.001	0.02	2.27	2.0	0.3	<0.2	27.0	<0.01	0.06	8.8
JNL049 04+00W		0.27	32.2	390	32.7	5.8	<0.001	0.02	1.55	2.3	0.3	0.3	28.2	<0.01	0.05	8.8
JNL049 04+25W		0.11	53.1	800	85.6	4.2	0.001	0.02	2.39	2.6	0.4	0.3	27.8	<0.01	0.06	12.9
JNL049 04+50W		0.32	5.5	640	16.8	3.4	<0.001	0.05	0.44	0.4	0.4	0.2	6.7	<0.01	0.02	0.3
JNL049 04+75W		0.44	13.8	380	7.7	7.0	0.001	0.03	0.48	1.0	0.2	0.3	14.4	<0.01	0.02	3.9
JNL048 00+00		0.15	36.3	630	35.7	2.5	<0.001	0.04	2.88	2.5	0.4	0.2	45.0	<0.01	0.04	4.8
JNL048 00+25W		0.21	31.4	780	34.5	3.6	<0.001	0.05	2.74	2.3	0.5	0.3	44.1	<0.01	0.04	2.9
JNL048 00+50W		0.08	43.0	840	43.1	3.8	<0.001	0.04	4.26	4.6	0.5	0.3	56.4	<0.01	0.05	5.7
JNL048 00+75W		0.17	43.2	630	35.5	3.6	0.001	0.07	3.70	3.0	0.7	0.3	56.6	<0.01	0.05	8.4
JNL048 01+00W		0.14	43.8	710	37.5	3.2	<0.001	0.05	4.17	3.3	0.6	0.3	71.1	<0.01	0.06	8.2
JNL048 01+25W		0.19	36.1	700	37.9	3.9	0.001	0.07	3.34	3.1	0.5	0.3	45.4	<0.01	0.05	8.1
JNL048 01+50W		0.21	24.2	870	30.3	7.2	<0.001	0.05	1.26	1.9	0.4	0.3	47.9	<0.01	0.03	4.0
JNL048 01+75W		0.16	43.6	530	35.2	5.3	<0.001	0.04	1.41	3.2	0.2	0.4	32.4	<0.01	0.03	10.2
JNL048 02+00W		0.95	34.5	720	28.4	6.6	<0.001	0.03	1.31	1.9	0.3	0.4	32.7	<0.01	0.03	3.4
JNL048 02+25W		0.35	26.9	600	31.6	9.4	<0.001	0.03	0.88	1.7	0.3	0.5	27.5	<0.01	0.04	5.6
JNL048 02+50W		0.39	30.4	570	38.6	9.3	<0.001	0.04	0.93	1.9	0.3	0.5	30.3	<0.01	0.03	6.1
JNL048 02+75W		0.23	27.1	770	48.4	7.3	<0.001	0.03	1.37	2.0	0.4	0.2	37.7	<0.01	0.03	7.2
JNL048 03+00W		0.36	14.2	750	79.9	6.1	<0.001	0.03	1.03	1.1	<0.2	0.2	30.9	<0.01	0.01	2.0
JNL048 03+25W		0.50	23.8	720	65.6	7.1	<0.001	0.03	1.48	1.3	0.3	0.3	5.5	<0.01	0.04	3.7
JNL048 03+50W		0.39	17.0	580	40.8	8.1	0.001	0.03	1.38	0.8	<0.2	0.4	24.8	<0.01	0.04	1.6
JNL048 03+75W		0.52	20.4	580	35.3	7.5	0.001	0.04	1.61	1.5	0.3	0.3	31.6	0.01	0.04	4.0
JNL048 04+00W		0.22	28.9	370	25.4	6.0	<0.001	0.03	1.02	1.7	0.4	0.2	24.2	<0.01	0.04	8.7
JNL048 04+25W		0.31	30.9	310	19.9	5.2	<0.001	0.02	1.04	1.6	0.3	0.3	16.6	<0.01	0.02	6.6
JNL048 04+50W		0.44	32.6	430	20.0	8.6	0.002	0.03	1.19	1.2	0.4	14.9	14.8	<0.01	0.09	4.0
JNL048 04+75W		0.29	39.0	650	48.3	7.4	0.001	0.05	1.86	2.7	0.4	0.4	40.2	<0.01	0.05	6.2
JNL048 05+00W		0.46	23.2	1250	41.5	8.2	<0.001	0.09	1.09	1.8	0.7	0.5	71.2	<0.01	0.03	2.7
JNL048 05+25W		0.31	29.3	760	34.9	6.7	<0.001	0.06	1.11	1.7	0.5	0.3	73.6	<0.01	0.05	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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL049 00+50W		<0.005	0.15	2.00	13	0.38	11.65	111	1.1	
JNL049 00+75W		<0.005	0.16	2.19	12	0.40	8.94	99	1.2	
JNL049 01+00W		0.014	0.04	2.22	9	0.06	3.92	21	1.4	
JNL049 01+25W		0.005	0.07	1.96	17	0.59	7.95	110	2.1	
JNL049 01+50W		<0.005	0.08	0.78	16	0.07	4.36	110	0.6	
JNL049 01+75W		<0.005	0.08	0.79	14	0.16	5.77	98	1.3	
JNL049 02+00W		0.006	0.08	1.10	12	0.23	10.30	113	1.0	
JNL049 02+25W		0.005	0.04	0.75	12	0.29	6.88	107	1.6	
JNL049 02+50W		0.006	0.06	0.83	18	0.12	3.31	107	0.9	
JNL049 02+75W		0.009	0.05	0.78	17	0.07	3.13	94	0.6	
JNL049 03+00W		0.006	0.06	1.09	13	0.08	11.90	100	1.3	
JNL049 03+25W		0.005	0.06	0.66	17	0.07	3.06	77	0.8	
JNL049 03+50W		0.007	0.06	0.56	12	0.09	4.09	58	0.6	
JNL049 03+75W		<0.005	0.05	0.85	13	<0.05	4.71	140	1.8	
JNL049 04+00W		0.005	0.06	2.70	17	0.18	8.58	83	2.2	
JNL049 04+25W		<0.005	0.07	2.62	14	0.06	17.50	140	2.2	
JNL049 04+50W		0.011	0.04	0.89	9	0.06	1.55	20	<0.5	
JNL049 04+75W		0.009	0.07	0.48	20	0.11	1.71	42	<0.5	
JNL048 00+00		0.005	0.10	1.45	12	0.27	8.90	91	1.4	
JNL048 00+25W		0.007	0.14	1.42	11	0.28	8.38	111	1.7	
JNL048 00+50W		<0.005	0.21	2.09	13	0.44	14.40	119	1.6	
JNL048 00+75W		0.005	0.15	1.43	13	0.32	9.91	97	1.5	
JNL048 01+00W		<0.005	0.16	1.81	12	0.30	10.50	109	1.1	
JNL048 01+25W		0.005	0.13	2.11	13	0.27	9.96	103	1.5	
JNL048 01+50W		<0.005	0.07	1.32	12	0.12	6.81	79	2.2	
JNL048 01+75W		<0.005	0.07	1.57	17	0.07	10.75	109	2.7	
JNL048 02+00W		0.011	0.09	1.05	22	0.07	5.16	72	0.9	
JNL048 02+25W		0.006	0.10	0.90	20	0.18	3.59	87	2.0	
JNL048 02+50W		0.007	0.11	1.75	19	0.16	5.59	94	3.4	
JNL048 02+75W		0.005	0.06	0.74	15	0.10	4.31	102	1.7	
JNL048 03+00W		0.011	0.05	0.66	14	0.08	4.18	89	0.5	
JNL048 03+25W		0.009	0.06	0.65	17	0.11	2.63	92	0.6	
JNL048 03+50W		0.012	0.06	0.57	20	0.15	2.31	64	<0.5	
JNL048 03+75W		0.013	0.06	0.72	18	0.13	3.43	81	1.2	
JNL048 04+00W		0.005	0.06	1.27	15	0.16	5.60	87	1.9	
JNL048 04+25W		0.007	0.05	1.05	18	0.10	5.30	88	1.3	
JNL048 04+50W		0.011	0.08	0.71	21	0.19	2.89	57	<0.5	0.65
JNL048 04+75W		0.007	0.10	3.46	19	0.13	14.55	107	2.3	
JNL048 05+00W		0.008	0.12	4.11	17	0.12	11.35	79	2.0	
JNL048 05+25W		0.005	0.08	2.78	16	0.09	6.66	91	1.7	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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
	LOD	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
JNL048 05+50W		0.59	0.0054	0.19	1.61	82.0	<0.02	<10	50	0.55	0.56	0.33	0.17	41.1	15.7	24
JNL047 02+75E		0.90	0.0021	0.14	1.99	18.7	<0.02	<10	30	0.37	0.30	0.19	0.12	50.5	13.9	30
JNL047 03+00E		0.61	0.0032	0.13	1.74	28.2	<0.02	<10	30	0.43	0.33	0.14	0.13	36.3	13.8	25
JNL047 03+25E		0.51	0.0024	0.10	1.37	25.2	<0.02	<10	30	0.25	0.29	0.04	0.21	20.6	7.3	18
JNL047 03+50E		0.47	0.0037	0.10	1.60	37.1	<0.02	<10	40	0.37	0.36	0.02	0.09	21.3	8.6	20
JNL047 03+75E		0.51	0.0052	0.26	1.43	35.5	<0.02	<10	50	0.51	0.30	0.22	0.05	18.75	10.2	16
JNL053 00+00		0.51	0.0010	0.08	1.95	17.2	<0.02	<10	70	1.14	0.37	4.57	0.05	55.9	11.0	22
JNL053 00+25W		0.64	0.0005	0.06	1.54	11.4	<0.02	<10	80	1.19	0.26	2.28	0.05	60.9	9.7	17
JNL053 00+50W		0.55	0.0036	0.14	2.45	112.5	<0.02	<10	70	1.24	1.73	0.32	0.10	59.5	13.2	26
JNL053 00+75W		0.56	0.0037	0.23	2.13	119.0	<0.02	<10	50	1.30	1.89	0.63	0.11	80.7	14.2	25
JNL053 01+00W		0.65	0.0257	0.18	1.71	105.5	0.02	<10	40	1.24	17.40	0.62	0.04	127.5	12.2	35
JNL021 00+25E		0.53	0.0116	0.25	2.50	325	<0.02	<10	60	1.32	20.9	0.61	0.10	67.3	19.6	32
JNL021 00+50E		Empty Bag														
JNL021 00+75E		0.65	0.0030	0.17	1.25	427	<0.02	<10	50	0.95	2.18	0.40	0.08	93.4	16.7	22
JNL019 00+00		Empty Bag														
JNL019 00+25E		0.55	0.0030	0.22	1.64	185.0	<0.02	<10	70	1.09	18.00	0.38	0.13	64.0	13.9	20
JNL019 00+50E		0.62	0.0173	0.26	1.72	179.5	0.02	<10	50	1.23	36.3	0.51	0.08	105.0	12.9	21
JNL019 00+75E		0.67	0.0026	0.16	1.21	97.5	<0.02	<10	50	0.69	3.86	0.15	0.12	47.8	37.3	19
JNL019 00+25W		0.63	0.0140	0.34	1.63	218	0.02	<10	50	1.13	26.4	0.21	0.14	47.8	14.5	24
JNL019 00+50W		0.64	0.0005	0.09	1.91	16.5	<0.02	<10	80	1.27	1.07	1.18	0.07	58.5	6.5	21
JNL046 00+00		0.75	0.0019	0.19	0.70	123.0	<0.02	<10	30	0.54	0.51	1.00	0.26	43.2	18.5	16
JNL046 00+25W		0.66	0.0029	0.18	0.68	96.7	<0.02	<10	20	0.43	0.46	1.17	0.26	38.2	16.2	15
JNL046 00+50W		0.67	0.0022	0.21	0.83	50.8	<0.02	<10	30	0.57	0.47	0.43	0.26	44.1	13.6	15
JNL046 00+75W		0.79	0.0030	0.17	0.89	70.7	<0.02	<10	40	0.51	0.37	0.26	0.12	36.9	12.4	13
JNL046 01+00W		0.65	0.0015	0.17	1.00	24.3	<0.02	<10	40	0.29	0.32	0.05	0.13	24.5	6.5	10
JNL046 01+25W		0.68	0.0017	0.17	1.67	26.6	<0.02	<10	60	0.61	0.41	0.05	0.23	47.0	12.3	20
JNL046 01+50W		0.57	0.0021	0.18	1.52	20.8	<0.02	<10	70	0.48	0.32	0.57	0.10	21.5	8.6	15
JNL046 01+75W		0.74	0.0023	0.06	1.62	32.0	<0.02	<10	60	0.60	0.45	0.07	0.13	55.3	13.3	23
JNL046 02+00W		0.74	0.0020	0.16	1.50	32.5	<0.02	<10	50	0.53	0.45	0.28	0.22	38.1	14.0	19
JNL046 02+25W		0.39	0.0001	0.06	0.20	2.0	<0.02	<10	10	<0.05	0.04	0.03	0.03	4.73	0.8	3
JNL046 02+50W		0.64	0.0005	0.14	0.85	12.5	<0.02	<10	50	0.20	0.26	0.09	0.09	26.2	3.6	9
JNL046 02+75W		0.64	0.0013	0.13	1.50	27.3	<0.02	<10	30	0.26	0.52	0.04	0.10	29.4	11.7	20
JNL046 03+00W		0.76	0.0015	0.09	1.61	21.5	<0.02	<10	30	0.49	0.39	0.08	0.22	34.2	13.2	20
JNL046 03+25W		0.71	0.0018	0.14	1.66	43.2	<0.02	<10	30	0.47	0.58	0.08	0.27	36.1	18.2	21
JNL047 00+00		0.63	0.0010	0.03	1.96	16.6	<0.02	<10	40	0.46	0.36	0.13	0.11	27.9	13.9	30
JNL047 00+25E		0.73	0.0011	0.07	2.14	18.4	<0.02	<10	20	0.37	0.39	0.03	0.09	30.9	17.0	32
JNL047 00+50E		0.63	0.0009	0.04	1.86	16.3	<0.02	<10	30	0.32	0.38	0.01	0.09	33.1	9.6	26
JNL047 00+75E		0.69	0.0009	0.06	2.16	17.6	<0.02	<10	30	0.25	0.37	0.01	0.05	33.6	9.9	29
JNL047 01+00E		0.66	0.0013	0.06	1.92	20.6	<0.02	<10	20	0.29	0.40	0.01	0.06	39.3	11.7	26
JNL047 01+25E		0.57	0.0016	0.22	1.76	16.2	<0.02	<10	30	0.35	0.37	0.05	0.08	37.4	10.3	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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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
JNL048 05+50W		1.53	37.8	4.08	5.16	0.06	0.06	0.02	0.034	0.04	23.7	44.4	0.53	506	0.84	<0.01
JNL047 02+75E		0.70	26.1	4.12	6.18	0.07	0.07	0.01	0.019	0.03	28.0	68.5	0.83	424	0.61	<0.01
JNL047 03+00E		1.09	23.5	3.66	5.22	0.07	0.07	0.01	0.029	0.03	19.2	60.4	0.67	437	0.56	<0.01
JNL047 03+25E		1.33	15.9	2.75	4.36	0.05	0.06	0.02	0.028	0.02	11.3	40.5	0.45	225	0.45	<0.01
JNL047 03+50E		1.94	21.5	3.15	4.75	0.05	0.05	0.02	0.031	0.03	12.4	43.4	0.50	236	0.47	<0.01
JNL047 03+75E		1.63	26.7	2.60	4.26	0.05	0.04	0.02	0.022	0.04	12.4	33.3	0.41	335	0.50	0.01
JNL053 00+00		1.49	15.7	2.56	6.10	0.11	0.07	0.05	0.038	0.16	26.0	25.5	2.03	434	0.73	<0.01
JNL053 00+25W		0.90	12.4	2.38	4.56	0.09	0.09	0.03	0.035	0.11	28.7	20.4	1.47	812	0.52	<0.01
JNL053 00+50W		4.64	32.8	3.42	7.02	0.08	0.04	0.02	0.086	0.13	23.8	37.5	0.80	528	0.38	<0.01
JNL053 00+75W		4.59	37.6	3.57	6.04	0.10	0.06	0.03	0.089	0.11	34.7	35.5	0.90	536	0.39	<0.01
JNL053 01+00W		11.35	24.2	2.95	6.33	0.10	0.03	0.02	0.212	0.15	27.4	25.8	0.58	441	0.54	<0.01
JNL021 00+25E		11.20	89.4	4.06	8.36	0.08	0.04	0.03	0.200	0.16	24.3	43.2	0.73	607	0.42	0.01
JNL021 00+50E																
JNL021 00+75E		4.91	157.0	5.01	4.00	0.12	0.06	0.03	0.151	0.10	34.4	15.7	0.41	372	0.67	<0.01
JNL019 00+00																
JNL019 00+25E		6.92	42.3	2.90	5.42	0.07	0.05	0.03	0.142	0.09	21.1	20.0	0.59	1040	0.77	<0.01
JNL019 00+50E		2.88	44.8	2.93	5.15	0.12	0.05	0.03	0.103	0.11	39.9	25.0	1.21	558	0.50	<0.01
JNL019 00+75E		10.65	79.3	5.61	4.49	0.08	0.02	0.02	0.096	0.14	22.3	28.4	0.46	1300	1.35	<0.01
JNL019 00+25W		9.17	56.8	3.64	6.25	0.07	<0.02	0.03	0.210	0.12	21.7	29.0	0.41	672	0.75	<0.01
JNL019 00+50W		1.38	11.8	2.36	5.81	0.08	0.12	0.04	0.048	0.14	32.0	24.3	1.77	344	0.33	<0.01
JNL046 00+00		1.02	39.7	4.16	2.41	0.08	0.04	0.06	0.038	0.04	23.6	14.1	0.27	382	0.49	<0.01
JNL046 00+25W		1.25	32.6	3.61	2.25	0.07	0.05	0.06	0.034	0.04	20.9	13.0	0.26	458	0.50	<0.01
JNL046 00+50W		0.96	42.9	2.81	2.70	0.07	0.06	0.06	0.037	0.03	23.4	15.1	0.30	157	0.48	<0.01
JNL046 00+75W		0.87	28.9	3.19	2.70	0.06	0.05	0.05	0.034	0.03	19.8	14.1	0.27	305	0.49	<0.01
JNL046 01+00W		0.88	14.9	2.07	4.12	<0.05	0.02	0.03	0.018	0.04	12.5	12.9	0.21	263	0.43	0.01
JNL046 01+25W		1.11	22.8	3.80	4.75	0.07	0.04	0.02	0.027	0.04	21.1	31.4	0.57	696	0.53	<0.01
JNL046 01+50W		1.55	22.6	2.32	4.30	0.05	0.08	0.03	0.019	0.04	14.2	31.9	0.41	257	0.36	0.01
JNL046 01+75W		1.03	25.2	3.63	4.97	0.09	0.04	0.02	0.025	0.05	27.9	37.7	0.62	452	0.56	<0.01
JNL046 02+00W		0.86	29.3	3.69	4.45	0.07	0.06	0.01	0.034	0.04	18.5	35.2	0.63	656	0.55	<0.01
JNL046 02+25W		0.19	1.7	0.33	0.96	<0.05	<0.02	0.01	0.005	0.02	2.4	1.3	0.03	34	0.14	0.01
JNL046 02+50W		0.76	7.4	1.67	3.41	<0.05	<0.02	0.02	0.012	0.03	13.7	12.4	0.18	179	0.40	<0.01
JNL046 02+75W		0.88	22.2	4.90	5.05	0.05	0.04	0.03	0.036	0.03	14.0	22.2	0.43	620	0.68	<0.01
JNL046 03+00W		0.61	29.4	3.95	4.43	0.07	0.08	0.01	0.031	0.02	17.4	38.5	0.63	363	0.59	<0.01
JNL046 03+25W		0.62	40.2	4.81	4.54	0.06	0.04	0.02	0.042	0.03	17.6	35.0	0.57	903	0.48	<0.01
JNL047 00+00		0.92	27.4	4.12	5.83	0.05	0.05	0.01	0.030	0.03	15.5	58.7	0.73	431	0.84	<0.01
JNL047 00+25E		1.06	32.4	4.12	6.16	0.06	0.08	0.01	0.023	0.03	17.4	66.9	0.82	561	0.55	<0.01
JNL047 00+50E		0.91	28.7	4.12	5.90	0.06	0.05	0.01	0.024	0.03	18.6	52.2	0.66	283	0.47	<0.01
JNL047 00+75E		1.78	31.6	4.03	6.80	0.05	0.05	0.01	0.023	0.03	19.9	61.5	0.74	353	0.74	<0.01
JNL047 01+00E		0.74	26.0	4.38	6.11	0.06	0.05	0.02	0.022	0.03	21.9	52.3	0.68	395	0.48	<0.01
JNL047 01+25E		0.80	26.8	4.08	5.18	0.06	0.08	0.03	0.026	0.04	19.3	36.4	0.48	366	0.38	<0.01

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

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL048 05+50W		0.23	34.0	620	35.9	6.0	<0.001	0.03	1.26	1.9	0.5	0.3	42.7	<0.01	0.03	7.1
JNL047 02+75E		0.11	37.6	430	26.7	3.0	<0.001	0.01	0.65	1.8	<0.2	<0.2	20.3	<0.01	0.03	9.4
JNL047 03+00E		0.11	34.6	430	29.7	4.2	<0.001	0.02	0.96	1.7	0.2	<0.2	18.0	<0.01	0.03	7.1
JNL047 03+25E		0.21	21.6	460	27.5	4.5	<0.001	0.03	0.82	1.1	0.3	0.2	8.2	<0.01	0.03	3.7
JNL047 03+50E		0.20	23.5	500	31.4	4.7	<0.001	0.04	0.99	1.2	0.3	0.2	5.8	<0.01	0.03	4.2
JNL047 03+75E		0.20	20.8	550	31.0	5.6	<0.001	0.04	0.87	0.9	0.2	0.2	21.7	<0.01	0.03	2.5
JNL053 00+00		0.29	19.0	1420	15.1	13.7	<0.001	0.04	0.77	2.9	0.2	0.6	218	<0.01	0.02	2.6
JNL053 00+25W		0.18	14.6	1630	14.8	11.6	<0.001	0.06	0.44	2.8	0.4	0.3	123.5	<0.01	0.01	2.2
JNL053 00+50W		1.00	31.1	580	24.0	21.1	<0.001	0.03	2.27	2.8	0.2	2.5	29.0	<0.01	0.04	5.1
JNL053 00+75W		0.73	33.5	530	24.2	17.2	<0.001	0.04	2.20	3.9	0.3	2.3	49.0	<0.01	0.03	8.3
JNL053 01+00W		0.85	52.5	580	10.1	33.3	<0.001	0.03	2.04	5.9	0.2	13.7	38.7	<0.01	0.43	8.3
JNL021 00+25E		1.15	46.5	450	20.6	31.3	<0.001	0.04	2.40	4.2	0.2	8.1	35.7	<0.01	0.26	8.4
JNL021 00+50E																
JNL021 00+75E		0.41	35.7	480	15.8	17.2	<0.001	0.04	3.11	7.4	0.3	2.6	30.9	<0.01	0.11	8.6
JNL019 00+00																
JNL019 00+25E		0.54	22.7	1170	17.1	29.4	<0.001	0.07	1.33	2.3	0.4	3.6	31.3	<0.01	0.12	3.0
JNL019 00+50E		0.30	24.8	790	16.7	16.7	<0.001	0.04	0.93	4.1	0.2	2.2	36.7	<0.01	0.17	4.6
JNL019 00+75E		0.43	61.1	670	56.5	27.8	<0.001	0.05	2.40	1.4	0.2	1.5	17.0	<0.01	0.08	5.1
JNL019 00+25W		0.58	32.0	780	18.1	28.9	<0.001	0.06	2.18	1.3	0.3	4.5	21.1	<0.01	0.41	1.3
JNL019 00+50W		0.22	15.5	1580	12.4	21.2	<0.001	0.05	0.30	3.8	0.3	1.0	76.8	<0.01	0.02	3.1
JNL046 00+00		0.20	42.6	620	32.9	3.7	<0.001	0.05	2.97	3.2	0.5	0.3	58.9	<0.01	0.06	7.2
JNL046 00+25W		0.18	36.7	710	29.5	4.4	<0.001	0.06	2.43	2.9	0.8	0.3	68.5	<0.01	0.04	6.3
JNL046 00+50W		0.18	35.0	700	37.3	3.9	<0.001	0.04	2.20	3.3	0.4	0.3	42.5	<0.01	0.04	7.4
JNL046 00+75W		0.24	26.6	620	30.6	3.8	<0.001	0.03	1.94	2.3	0.5	0.3	32.9	<0.01	0.04	4.6
JNL046 01+00W		0.37	11.8	620	22.6	7.2	<0.001	0.04	0.71	0.6	0.3	0.2	6.4	<0.01	0.03	1.5
JNL046 01+25W		0.31	23.6	480	27.6	6.3	<0.001	0.02	0.83	2.0	0.3	0.3	8.9	<0.01	0.03	5.9
JNL046 01+50W		0.44	20.1	560	19.4	6.3	<0.001	0.07	0.46	1.4	0.4	0.2	50.7	0.01	0.02	2.1
JNL046 01+75W		0.32	28.4	360	26.5	6.5	<0.001	0.01	0.78	2.1	0.2	0.3	11.6	<0.01	0.03	8.2
JNL046 02+00W		0.22	29.4	640	38.5	5.6	<0.001	0.02	0.97	2.3	<0.2	0.2	27.5	<0.01	0.03	6.8
JNL046 02+25W		0.11	2.0	320	4.5	1.5	<0.001	0.02	0.10	0.2	<0.2	<0.2	4.6	<0.01	0.01	<0.2
JNL046 02+50W		0.39	8.6	450	13.0	7.7	<0.001	0.02	0.46	0.6	<0.2	0.2	9.3	<0.01	0.02	1.7
JNL046 02+75W		0.38	20.6	820	52.7	8.8	<0.001	0.04	1.41	1.1	0.5	0.2	7.5	<0.01	0.03	4.2
JNL046 03+00W		0.10	31.7	570	32.7	4.2	<0.001	0.02	1.21	1.7	0.2	<0.2	12.6	<0.01	0.03	7.3
JNL046 03+25W		0.13	30.0	690	78.8	6.1	<0.001	0.03	1.87	1.7	0.3	<0.2	9.4	<0.01	0.05	6.9
JNL047 00+00		0.11	36.7	610	31.9	4.5	<0.001	0.02	0.91	1.2	<0.2	<0.2	14.0	<0.01	0.04	4.1
JNL047 00+25E		0.13	36.4	530	35.7	4.2	<0.001	0.02	0.79	1.4	<0.2	<0.2	4.9	<0.01	0.05	5.3
JNL047 00+50E		0.16	30.2	480	24.6	4.9	<0.001	0.02	0.96	1.1	0.2	<0.2	3.5	<0.01	0.04	4.3
JNL047 00+75E		0.13	30.8	490	29.7	5.2	<0.001	0.02	0.83	1.2	0.3	0.2	4.3	<0.01	0.04	4.3
JNL047 01+00E		0.12	31.2	390	26.6	4.5	<0.001	0.02	1.01	1.2	0.2	<0.2	3.5	<0.01	0.04	5.5
JNL047 01+25E		0.17	28.0	640	36.5	4.7	<0.001	0.03	1.31	1.3	0.2	<0.2	6.2	<0.01	0.03	5.2

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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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL048 05+50W		<0.005	0.08	3.87	17	0.09	6.97	101	2.0	
JNL047 02+75E		<0.005	0.03	1.95	16	<0.05	4.96	99	2.7	
JNL047 03+00E		<0.005	0.04	2.03	14	0.06	5.26	101	2.4	
JNL047 03+25E		<0.005	0.04	1.06	12	0.05	2.48	73	1.9	
JNL047 03+50E		<0.005	0.05	2.36	13	<0.05	3.68	79	1.8	
JNL047 03+75E		<0.005	0.06	1.35	12	0.05	5.19	59	1.1	
JNL053 00+00		0.008	0.11	0.54	17	0.07	12.00	60	2.4	
JNL053 00+25W		<0.005	0.08	0.45	13	<0.05	12.85	46	2.6	
JNL053 00+50W		0.023	0.22	0.81	23	0.22	8.34	70	1.2	
JNL053 00+75W		0.015	0.19	0.85	20	0.12	12.40	74	1.9	
JNL053 01+00W		0.019	0.41	1.26	46	0.05	11.95	60	1.0	
JNL021 00+25E		0.029	0.25	0.94	32	0.21	8.46	75	1.3	
JNL021 00+50E										
JNL021 00+75E		0.008	0.71	1.23	37	0.14	12.55	51	1.7	
JNL019 00+00										
JNL019 00+25E		0.011	0.20	0.87	20	0.15	8.57	51	1.5	
JNL019 00+50E		0.007	0.16	0.64	17	0.08	16.00	56	1.7	
JNL019 00+75E		0.013	0.16	1.16	17	0.12	5.78	106	0.6	
JNL019 00+25W		0.013	0.23	1.07	25	0.47	6.16	67	<0.5	
JNL019 00+50W		0.005	0.14	0.47	16	<0.05	15.30	47	3.1	
JNL046 00+00		0.006	0.14	1.40	14	0.25	10.65	105	1.4	
JNL046 00+25W		0.005	0.12	1.77	13	0.24	9.97	103	1.6	
JNL046 00+50W		<0.005	0.14	1.49	13	0.26	10.65	105	1.9	
JNL046 00+75W		0.006	0.11	1.65	13	0.20	8.56	79	1.6	
JNL046 01+00W		0.008	0.06	0.49	13	0.15	2.26	43	0.5	
JNL046 01+25W		0.005	0.10	0.72	17	0.29	5.83	70	1.1	
JNL046 01+50W		0.008	0.07	2.13	12	0.54	7.84	61	2.7	
JNL046 01+75W		0.007	0.06	0.83	17	0.24	5.78	82	1.4	
JNL046 02+00W		<0.005	0.06	0.82	13	0.22	8.01	96	1.8	
JNL046 02+25W		0.007	<0.02	0.17	5	<0.05	0.44	8	<0.5	
JNL046 02+50W		0.007	0.06	0.39	11	0.10	2.48	35	<0.5	
JNL046 02+75W		0.005	0.06	0.56	15	<0.05	2.34	73	1.2	
JNL046 03+00W		<0.005	0.04	0.60	12	<0.05	4.31	108	2.4	
JNL046 03+25W		<0.005	0.05	0.82	11	<0.05	4.56	136	1.5	
JNL047 00+00		<0.005	0.04	0.61	15	<0.05	3.02	105	1.6	
JNL047 00+25E		<0.005	0.03	0.71	17	0.08	3.09	107	2.7	
JNL047 00+50E		<0.005	0.04	0.62	15	<0.05	2.52	89	1.5	
JNL047 00+75E		<0.005	0.04	0.61	18	<0.05	2.33	90	1.4	
JNL047 01+00E		<0.005	0.03	0.57	15	<0.05	2.43	84	1.5	
JNL047 01+25E		<0.005	0.04	0.60	14	<0.05	3.34	79	2.4	

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

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Finalized Date: 20- OCT- 2018
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Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL047 01+50E		0.49	0.0003	0.06	0.80	10.3	<0.02	<10	20	0.14	0.26	0.02	0.05	16.50	5.4	12
JNL047 01+75E		0.64	0.0008	0.11	1.88	22.1	<0.02	<10	40	0.47	0.37	0.14	0.09	34.2	9.9	23
JNL047 02+00E		0.58	0.0011	0.05	1.83	19.2	<0.02	<10	30	0.22	0.41	0.02	0.08	32.0	7.4	25
JNL047 02+25E		0.61	0.0019	0.09	1.97	26.9	<0.02	<10	60	0.64	0.50	0.17	0.08	27.9	14.5	28
JNL047 02+50E		Empty Bag														
JNL047 04+00E		0.47	0.0028	0.29	0.97	19.9	<0.02	<10	40	0.26	0.31	0.06	0.06	18.15	5.1	13
JNL047 04+25E		0.60	0.0026	0.27	1.12	23.0	<0.02	<10	40	0.32	0.36	0.08	0.08	19.65	5.4	14
JNL047 04+50E		0.55	0.0029	0.21	0.81	24.5	<0.02	<10	20	0.16	0.26	0.06	0.04	17.45	4.0	13
JNL047 04+75E		0.65	0.0043	0.04	1.82	47.6	<0.02	<10	30	0.29	0.40	0.16	0.03	59.7	11.4	29
JNL047 05+00E		0.54	0.0045	0.07	1.32	89.2	<0.02	<10	40	0.33	0.48	0.30	0.19	29.3	11.7	20
JNL047 05+25E		0.68	0.0013	0.06	1.53	25.0	<0.02	<10	40	0.44	0.37	0.18	0.12	26.2	9.1	18
JNL047 05+50E		0.69	0.0012	0.05	1.74	31.7	<0.02	<10	30	0.39	0.52	0.04	0.15	29.8	11.8	21
JNL047 05+75E		0.67	0.0008	0.10	1.10	24.9	<0.02	<10	40	0.24	0.41	0.08	0.13	27.3	10.5	17
JNL047 06+00E		0.60	0.0013	0.07	1.31	63.0	<0.02	<10	30	0.25	0.60	0.03	0.12	26.9	9.2	18
JNL047 06+25E		0.60	0.0023	0.24	1.61	50.0	<0.02	<10	40	0.53	0.66	0.21	0.40	30.3	19.3	21
JNL047 06+50E		0.77	0.0025	0.19	1.51	56.3	<0.02	<10	40	0.51	0.46	0.28	0.37	36.1	13.2	20
JNL047 06+75E		Empty Bag														
JNL047 07+00E		0.79	0.0022	0.07	1.38	19.6	<0.02	<10	70	0.32	0.45	0.10	0.06	33.4	6.2	17
JNL047 07+25E		0.68	0.0014	0.05	0.97	31.6	<0.02	<10	20	0.21	0.46	0.04	0.09	33.7	9.2	14
JNL047 07+50E		0.59	0.0009	0.09	0.80	24.9	<0.02	<10	60	0.24	0.32	0.09	0.13	25.6	6.9	9
JNL047 07+75E		0.56	0.0031	0.15	0.68	39.5	<0.02	<10	30	0.38	0.34	0.78	0.32	28.4	12.2	11
JNL047 08+00E		0.66	0.0031	0.19	0.79	78.2	<0.02	<10	20	0.41	0.42	1.02	0.25	34.1	13.0	16
JNL047 08+25E		0.54	0.0039	0.22	0.80	76.9	<0.02	<10	30	0.45	0.51	0.58	0.29	35.2	15.8	16
JNL047 08+50E		0.73	0.0019	0.17	0.59	115.5	<0.02	<10	30	0.41	0.46	1.48	0.23	34.6	16.1	14
JNL050 00+00		0.68	0.0031	0.22	0.61	108.5	<0.02	<10	30	0.42	0.44	0.99	0.28	34.1	15.8	12
JNL050 00+25W		0.71	0.0037	0.21	0.64	95.5	<0.02	<10	30	0.39	0.46	0.26	0.21	32.0	16.4	12
JNL050 00+50W		0.63	0.0038	0.28	0.54	94.0	<0.02	<10	30	0.46	0.44	0.47	0.27	33.5	17.1	11
JNL050 00+75W		0.63	0.0019	0.15	1.13	37.6	<0.02	<10	30	0.32	0.44	0.08	0.22	25.9	15.3	13
JNL050 01+00W		0.64	0.0032	0.11	1.82	39.0	<0.02	<10	50	0.55	0.67	0.10	0.20	43.9	17.7	23
JNL050 01+25W		0.81	0.0090	0.14	1.65	71.5	<0.02	<10	50	0.45	0.47	0.19	0.21	34.9	14.3	23
JNL050 01+50W		0.95	0.0064	0.27	1.07	76.9	<0.02	<10	50	0.45	0.56	0.38	0.42	39.4	19.1	19
JNL050 01+75W		0.78	0.0009	0.18	1.64	37.0	<0.02	<10	40	0.37	0.51	0.08	0.34	34.6	13.3	22
JNL050 02+00W		0.63	0.0011	0.11	1.34	45.7	<0.02	<10	30	0.28	0.56	0.04	0.21	26.2	12.7	18
JNL050 02+25W		0.69	0.0042	0.16	1.64	60.9	<0.02	<10	60	0.48	0.48	0.22	0.12	32.4	13.1	21
JNL050 02+50W		0.63	0.0011	0.10	1.19	77.0	<0.02	<10	20	0.25	0.71	0.04	0.15	29.8	15.2	17
JNL050 02+75W		0.65	0.0071	0.13	1.82	69.3	<0.02	<10	60	0.60	0.56	0.39	0.11	32.1	14.9	25
JNL050 03+00W		0.68	0.0067	0.16	1.75	112.0	<0.02	<10	60	0.58	0.53	0.37	0.18	31.5	14.1	24
JNL050 03+25W		0.52	0.0028	0.15	0.93	81.7	<0.02	<10	30	0.21	0.56	0.26	0.27	23.7	8.4	15
JNL050 03+50W		0.52	0.0029	0.08	1.34	143.0	<0.02	<10	80	0.37	0.69	0.40	0.77	36.3	21.2	19
JNL050 03+75W		0.57	0.0055	0.22	1.59	124.5	<0.02	<10	50	0.48	1.03	0.21	0.12	45.8	18.8	21

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Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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	%
	LOD	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
JNL047 01+50E		0.92	13.9	1.64	3.11	<0.05	0.02	0.01	0.013	0.02	8.6	18.4	0.21	337	0.54	<0.01
JNL047 01+75E		0.92	23.2	3.87	5.37	0.05	0.06	0.01	0.028	0.04	17.3	56.5	0.60	293	0.47	<0.01
JNL047 02+00E		0.84	19.5	3.97	5.89	0.06	0.06	0.02	0.021	0.03	17.5	51.1	0.62	251	0.43	<0.01
JNL047 02+25E		1.78	41.7	4.01	5.41	0.05	0.14	0.01	0.031	0.04	15.7	59.6	0.68	560	0.69	<0.01
JNL047 02+50E																
JNL047 04+00E		1.12	17.2	1.86	3.30	<0.05	0.04	0.01	0.018	0.04	10.3	21.1	0.25	191	0.55	0.01
JNL047 04+25E		1.23	20.3	2.07	3.66	<0.05	0.05	0.01	0.023	0.04	11.3	26.4	0.30	169	0.61	<0.01
JNL047 04+50E		0.89	14.0	1.78	2.93	<0.05	0.02	0.02	0.013	0.03	10.0	21.4	0.26	128	0.47	<0.01
JNL047 04+75E		1.30	25.7	4.46	5.32	0.08	0.03	<0.01	0.021	0.02	33.9	60.8	0.75	353	0.41	<0.01
JNL047 05+00E		1.40	20.7	3.58	4.46	<0.05	0.06	0.01	0.025	0.03	16.0	35.7	0.47	642	0.90	<0.01
JNL047 05+25E		0.74	15.7	3.61	4.21	<0.05	0.04	0.01	0.027	0.02	12.9	37.3	0.50	325	0.57	<0.01
JNL047 05+50E		0.73	27.1	4.82	4.59	0.05	0.05	0.02	0.032	0.02	14.6	37.7	0.53	372	0.71	<0.01
JNL047 05+75E		0.69	10.2	3.55	4.39	0.05	0.02	0.01	0.027	0.03	12.4	21.9	0.31	1560	0.60	<0.01
JNL047 06+00E		0.73	20.4	4.50	4.72	0.05	0.02	0.02	0.037	0.02	13.3	23.4	0.38	445	0.66	<0.01
JNL047 06+25E		0.68	38.3	4.84	4.02	0.06	0.06	0.03	0.048	0.03	12.8	35.0	0.62	1060	0.68	<0.01
JNL047 06+50E		1.96	28.2	3.56	4.53	0.06	0.05	0.02	0.031	0.03	21.1	41.7	0.60	531	0.63	<0.01
JNL047 06+75E																
JNL047 07+00E		1.32	10.8	2.84	5.16	0.05	<0.02	0.01	0.020	0.04	17.2	24.6	0.40	251	0.60	<0.01
JNL047 07+25E		1.05	16.4	3.45	4.55	0.05	0.02	0.02	0.020	0.03	16.4	14.6	0.27	498	0.49	<0.01
JNL047 07+50E		0.78	12.1	2.20	3.95	<0.05	0.02	0.02	0.017	0.03	12.9	8.9	0.19	400	0.45	<0.01
JNL047 07+75E		0.72	27.4	2.26	1.99	0.06	0.04	0.03	0.037	0.03	15.1	11.5	0.27	199	0.39	0.01
JNL047 08+00E		0.78	31.1	3.44	2.47	0.07	0.06	0.03	0.033	0.03	18.4	15.0	0.31	262	0.41	<0.01
JNL047 08+25E		0.92	39.6	3.05	2.54	0.06	0.05	0.05	0.039	0.03	19.1	15.8	0.25	171	0.51	<0.01
JNL047 08+50E		0.81	37.4	3.86	1.98	0.07	0.04	0.04	0.036	0.03	18.5	10.5	0.26	430	0.45	<0.01
JNL050 00+00		0.62	37.2	3.77	1.88	0.07	0.05	0.06	0.038	0.02	18.8	8.2	0.19	347	0.45	<0.01
JNL050 00+25W		0.64	36.6	3.62	1.89	0.05	0.05	0.04	0.037	0.02	16.8	7.6	0.12	407	0.50	<0.01
JNL050 00+50W		0.50	40.3	4.09	1.53	0.07	0.04	0.07	0.045	0.02	18.6	4.4	0.08	421	0.59	<0.01
JNL050 00+75W		0.65	27.2	3.04	3.42	0.05	0.03	0.05	0.037	0.03	11.2	18.2	0.35	892	0.40	<0.01
JNL050 01+00W		1.11	32.9	4.30	4.91	0.07	0.07	0.02	0.037	0.05	20.6	38.6	0.65	775	0.54	<0.01
JNL050 01+25W		1.34	24.2	3.66	4.92	0.06	0.08	0.02	0.031	0.05	18.3	45.2	0.61	698	1.03	<0.01
JNL050 01+50W		1.02	44.5	4.10	3.31	0.08	0.04	0.02	0.041	0.04	21.3	25.0	0.44	731	0.87	<0.01
JNL050 01+75W		0.76	22.0	5.14	4.97	0.06	0.04	0.03	0.046	0.03	14.7	28.0	0.60	1110	0.70	<0.01
JNL050 02+00W		0.60	26.7	4.48	4.51	0.05	0.03	0.03	0.032	0.03	11.5	21.5	0.55	614	0.93	<0.01
JNL050 02+25W		1.16	23.8	3.45	5.20	0.05	0.07	0.02	0.035	0.05	16.8	40.2	0.53	547	0.65	<0.01
JNL050 02+50W		0.88	18.5	4.21	4.80	0.05	0.02	0.02	0.038	0.03	14.7	25.1	0.40	632	0.62	<0.01
JNL050 02+75W		1.57	27.5	3.85	5.30	0.05	0.10	0.02	0.037	0.06	18.2	46.8	0.61	502	0.78	<0.01
JNL050 03+00W		1.49	28.2	3.60	5.06	0.05	0.12	0.02	0.039	0.06	17.6	44.1	0.57	459	0.50	<0.01
JNL050 03+25W		1.34	16.1	2.72	4.18	<0.05	0.03	0.01	0.073	0.04	11.5	15.5	0.36	417	0.75	<0.01
JNL050 03+50W		2.50	27.3	4.13	4.41	0.05	0.05	0.02	0.044	0.06	17.4	25.0	0.51	1900	0.84	<0.01
JNL050 03+75W		1.47	24.1	4.38	4.97	0.07	0.05	0.02	0.045	0.05	27.0	37.1	0.69	690	0.64	<0.01

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CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	ME- MS41 Nb ppm 0.05	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
JNL047 01+50E		0.20	11.4	460	17.3	3.8	<0.001	0.02	0.56	0.4	<0.2	0.2	3.4	<0.01	0.03	0.6
JNL047 01+75E		0.20	27.7	360	30.4	6.1	<0.001	0.02	0.91	1.3	<0.2	0.2	15.0	<0.01	0.03	5.5
JNL047 02+00E		0.17	26.8	400	22.6	4.9	<0.001	0.03	0.97	1.1	0.2	<0.2	4.8	<0.01	0.03	5.8
JNL047 02+25E		0.09	34.6	510	31.1	5.4	<0.001	0.02	1.13	1.8	0.2	0.2	17.9	<0.01	0.04	5.8
JNL047 02+50E																
JNL047 04+00E		0.19	13.7	580	25.3	4.8	<0.001	0.03	0.64	0.8	<0.2	0.2	11.1	<0.01	0.04	2.2
JNL047 04+25E		0.17	15.8	610	20.3	5.2	<0.001	0.04	0.64	0.8	0.2	0.2	11.8	<0.01	0.03	2.5
JNL047 04+50E		0.19	13.7	580	12.8	4.4	<0.001	0.04	0.59	0.7	<0.2	0.2	10.2	<0.01	0.02	1.8
JNL047 04+75E		<0.05	39.3	570	14.3	2.8	<0.001	0.01	0.84	1.4	<0.2	0.2	22.5	<0.01	0.02	9.0
JNL047 05+00E		0.20	25.9	610	29.0	6.1	<0.001	0.04	1.15	1.2	<0.2	0.3	39.5	<0.01	0.03	4.1
JNL047 05+25E		0.30	22.8	530	35.2	4.0	<0.001	0.02	0.83	1.3	<0.2	0.2	21.9	<0.01	0.02	4.7
JNL047 05+50E		0.19	26.9	450	42.4	6.7	0.001	0.02	1.26	1.4	0.2	0.2	8.5	<0.01	0.04	6.2
JNL047 05+75E		0.28	15.1	840	44.1	6.3	<0.001	0.03	0.97	1.1	<0.2	0.3	6.9	<0.01	0.02	3.1
JNL047 06+00E		0.49	19.6	540	61.8	5.1	<0.001	0.02	1.46	1.1	0.3	0.3	3.7	0.01	0.03	4.0
JNL047 06+25E		0.15	33.6	840	124.5	4.9	<0.001	0.02	2.03	2.2	0.2	<0.2	16.7	<0.01	0.03	7.5
JNL047 06+50E		0.29	28.1	570	38.3	6.2	<0.001	0.02	1.08	2.3	<0.2	0.2	33.2	<0.01	0.03	5.7
JNL047 06+75E																
JNL047 07+00E		0.42	14.5	440	17.2	6.8	<0.001	0.02	0.45	0.9	0.2	0.4	13.5	<0.01	0.01	2.2
JNL047 07+25E		0.34	14.7	630	37.3	7.0	<0.001	0.02	1.11	0.8	<0.2	0.2	6.2	<0.01	0.03	4.5
JNL047 07+50E		0.27	9.9	610	24.4	6.6	<0.001	0.04	0.87	0.5	<0.2	0.2	9.7	<0.01	0.02	1.2
JNL047 07+75E		0.15	26.6	570	29.3	3.1	<0.001	0.20	1.69	2.0	0.3	0.2	36.9	<0.01	0.02	5.6
JNL047 08+00E		0.14	33.0	620	30.1	3.6	<0.001	0.04	1.88	2.8	0.2	0.3	58.3	<0.01	0.02	6.7
JNL047 08+25E		0.20	38.8	650	37.8	3.5	<0.001	0.20	3.07	2.8	0.5	0.3	49.0	<0.01	0.05	6.7
JNL047 08+50E		0.16	37.8	550	30.6	3.3	<0.001	0.07	2.72	2.7	0.5	0.3	66.3	<0.01	0.03	6.5
JNL050 00+00		0.13	39.4	680	35.7	2.8	<0.001	0.05	2.94	2.5	0.7	0.3	55.7	<0.01	0.05	4.4
JNL050 00+25W		0.12	38.3	650	38.5	2.6	<0.001	0.03	3.05	2.4	0.4	0.3	35.2	<0.01	0.05	4.2
JNL050 00+50W		0.07	45.6	720	48.1	2.2	<0.001	0.05	4.52	3.2	0.5	0.3	50.5	<0.01	0.05	4.5
JNL050 00+75W		0.21	19.5	710	55.0	4.0	0.001	0.02	1.30	1.2	0.2	0.2	8.3	<0.01	0.02	3.1
JNL050 01+00W		0.35	33.7	670	51.5	7.0	<0.001	0.02	1.13	2.1	0.2	0.3	10.9	<0.01	0.03	8.8
JNL050 01+25W		0.23	30.3	580	33.9	8.3	0.001	0.02	0.99	1.9	0.4	0.3	24.0	<0.01	0.03	6.1
JNL050 01+50W		0.18	42.6	800	45.9	4.2	0.001	0.04	1.89	2.7	0.3	0.2	96.3	<0.01	0.03	6.3
JNL050 01+75W		0.44	24.3	910	53.0	5.4	<0.001	0.03	1.59	1.8	0.4	0.2	8.2	0.01	0.02	4.8
JNL050 02+00W		0.29	22.0	750	48.7	6.3	<0.001	0.03	2.18	1.3	0.4	0.2	6.7	<0.01	0.04	3.3
JNL050 02+25W		0.32	25.3	640	37.5	7.2	<0.001	0.03	0.87	1.4	<0.2	0.4	25.1	<0.01	0.02	4.3
JNL050 02+50W		0.41	20.7	610	62.8	5.4	<0.001	0.03	1.58	1.1	0.2	0.3	6.4	<0.01	0.04	4.2
JNL050 02+75W		0.28	29.1	730	42.2	8.9	<0.001	0.04	0.93	1.8	0.2	0.4	42.0	<0.01	0.03	5.5
JNL050 03+00W		0.29	30.2	640	41.9	8.7	<0.001	0.04	1.01	1.7	0.2	0.4	35.8	<0.01	0.04	5.2
JNL050 03+25W		0.28	16.4	740	33.8	8.4	<0.001	0.04	1.27	0.8	<0.2	0.3	23.0	<0.01	0.04	1.9
JNL050 03+50W		0.49	30.8	820	68.6	12.5	<0.001	0.05	2.46	1.7	0.3	0.3	43.0	<0.01	0.05	4.4
JNL050 03+75W		0.29	31.7	480	61.2	6.5	<0.001	0.02	1.46	1.8	0.4	0.3	24.7	<0.01	0.04	6.4

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL047 01+50E		0.007	0.04	0.34	12	0.06	1.10	37	0.5	
JNL047 01+75E		<0.005	0.05	0.66	15	<0.05	2.93	91	2.0	
JNL047 02+00E		<0.005	0.04	0.53	16	<0.05	1.92	76	1.9	
JNL047 02+25E		<0.005	0.04	1.64	16	<0.05	6.11	111	4.4	
JNL047 02+50E										
JNL047 04+00E		<0.005	0.07	1.31	11	0.09	2.10	44	1.1	
JNL047 04+25E		<0.005	0.06	1.43	11	0.07	2.52	53	1.3	
JNL047 04+50E		<0.005	0.05	0.88	10	0.06	1.51	42	0.6	
JNL047 04+75E		<0.005	0.03	1.13	16	<0.05	2.83	96	1.4	
JNL047 05+00E		<0.005	0.06	1.29	14	0.09	3.23	82	1.9	
JNL047 05+25E		0.005	0.05	0.67	13	0.34	3.04	75	1.3	
JNL047 05+50E		<0.005	0.06	0.59	14	0.05	2.53	100	1.8	
JNL047 05+75E		0.006	0.06	0.48	14	0.13	2.74	69	0.7	
JNL047 06+00E		0.008	0.06	0.57	15	0.11	2.23	72	0.7	
JNL047 06+25E		<0.005	0.06	0.77	11	0.05	6.41	137	1.8	
JNL047 06+50E		0.006	0.07	2.48	15	0.22	9.68	101	1.4	
JNL047 06+75E										
JNL047 07+00E		0.008	0.09	0.60	19	0.32	2.19	50	<0.5	
JNL047 07+25E		0.006	0.07	0.51	14	0.53	2.08	56	0.7	
JNL047 07+50E		0.007	0.05	0.51	13	0.09	2.78	41	<0.5	
JNL047 07+75E		0.005	0.13	1.25	11	0.16	7.83	89	1.7	
JNL047 08+00E		<0.005	0.13	1.10	12	0.21	9.30	94	1.8	
JNL047 08+25E		0.005	0.14	2.32	14	0.26	9.35	113	2.0	
JNL047 08+50E		0.005	0.12	1.42	13	0.23	9.35	100	1.5	
JNL050 00+00		<0.005	0.13	1.44	11	0.30	9.72	102	1.7	
JNL050 00+25W		<0.005	0.13	1.80	12	0.31	8.99	97	1.4	
JNL050 00+50W		<0.005	0.17	2.40	12	0.35	11.30	120	1.4	
JNL050 00+75W		0.006	0.06	0.57	10	0.09	4.09	80	1.0	
JNL050 01+00W		0.006	0.08	0.78	16	0.25	5.97	110	2.5	
JNL050 01+25W		0.005	0.08	2.89	16	0.08	6.52	109	2.3	
JNL050 01+50W		<0.005	0.08	2.17	16	0.11	10.10	127	1.5	
JNL050 01+75W		0.007	0.06	0.66	17	0.10	4.97	102	1.3	
JNL050 02+00W		<0.005	0.08	0.60	16	<0.05	2.53	93	1.1	
JNL050 02+25W		0.006	0.09	1.41	17	0.14	5.38	79	2.2	
JNL050 02+50W		0.009	0.06	0.63	16	0.18	2.36	85	0.7	
JNL050 02+75W		0.005	0.10	2.24	19	0.12	5.96	99	2.7	
JNL050 03+00W		0.006	0.10	1.96	18	0.16	6.28	105	3.4	
JNL050 03+25W		0.008	0.05	0.59	18	0.31	2.12	94	0.7	
JNL050 03+50W		0.007	0.10	1.02	15	0.07	4.31	139	1.6	
JNL050 03+75W		0.006	0.07	1.18	17	0.18	6.52	95	1.6	

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL050 04+00W		0.55	0.0104	0.24	1.31	193.0	<0.02	<10	40	0.63	0.82	0.47	0.18	53.1	17.7	19
JNL050 04+25W		0.47	0.0079	0.29	1.76	94.9	<0.02	<10	80	0.70	0.49	0.58	0.14	41.1	18.5	20
JNL050 04+50W		0.70	0.0848	0.51	1.20	285	0.10	<10	40	0.61	1.07	0.40	0.22	44.1	11.6	16
JNL050 04+75W		0.58	0.0221	0.14	0.71	118.5	0.02	<10	40	0.14	0.37	0.05	0.06	34.6	3.4	10
JNL050 05+00W		0.63	0.0087	0.18	1.50	67.5	<0.02	<10	50	0.30	0.42	0.16	0.07	41.0	9.1	24
JNL050 05+25W		0.65	0.0196	0.13	1.89	129.0	<0.02	<10	70	0.45	0.55	0.28	0.09	37.0	12.6	28
JNL050 05+50W		0.61	0.0055	0.05	1.53	264	<0.02	<10	30	0.29	0.57	0.03	0.11	55.4	14.5	26
JNL050 05+75W		0.60	0.0011	0.13	1.51	19.2	<0.02	<10	30	0.20	0.33	0.03	0.05	42.8	6.4	22
JNL050 06+00W		0.76	0.0021	0.09	2.19	21.4	<0.02	<10	50	0.48	0.43	0.09	0.07	57.0	14.6	32
JNL050 06+25W		0.72	0.0018	0.09	2.23	19.0	<0.02	<10	40	0.40	0.36	0.07	0.07	61.7	13.9	33
JNL050 06+50W		0.55	0.0049	0.25	1.96	26.8	<0.02	<10	60	0.63	0.42	0.35	0.05	41.8	13.3	24
JNL050 06+75W		0.79	0.0024	0.08	2.11	20.9	<0.02	<10	30	0.42	0.36	0.14	0.11	60.7	16.1	30
JNL050 07+00W		0.76	0.0062	0.15	2.02	45.6	<0.02	<10	30	0.55	0.43	0.16	0.16	58.6	21.8	29
JNL050 07+25W		0.66	0.0018	0.20	0.81	34.5	<0.02	<10	20	0.14	0.21	0.06	0.04	14.45	5.5	11
JNL050 07+50W		0.49	0.0027	0.10	0.64	24.0	<0.02	<10	20	0.25	0.14	0.11	0.04	7.67	4.4	6
JNL050 07+75W		0.59	0.0046	0.13	1.27	54.2	<0.02	<10	20	0.28	0.47	0.08	0.08	27.1	9.7	18
JNL050 08+00W		0.48	0.0042	0.24	1.64	40.9	<0.02	<10	40	0.58	0.37	0.24	0.18	26.3	14.9	20
JNL050 08+25W		0.69	0.0014	0.08	1.83	15.7	<0.02	<10	30	0.40	0.34	0.15	0.12	60.1	15.8	25
JNL050 08+50W		0.68	0.0009	0.12	1.82	17.1	<0.02	<10	40	0.35	0.35	0.10	0.11	41.3	11.8	23
JNL050 08+75W		0.64	0.0005	0.15	1.69	9.9	<0.02	<10	20	0.19	0.26	0.02	0.05	32.7	6.6	21
JNL050 09+00W		0.63	0.0002	0.26	0.70	4.2	<0.02	<10	20	0.10	0.14	0.02	0.03	19.95	1.9	7
JNL050 09+25W		0.59	0.0016	0.06	2.06	24.2	<0.02	<10	30	0.28	0.37	0.03	0.13	39.8	9.7	28
JNL050 09+50W		0.66	0.0007	0.06	1.74	20.2	<0.02	<10	30	0.33	0.36	0.02	0.12	41.2	9.7	21
JNL050 09+75W		0.64	0.0008	0.23	1.97	18.3	<0.02	<10	30	0.37	0.42	0.04	0.19	37.7	10.9	22
JNL050 10+00W		0.50	0.0004	0.08	0.89	4.6	<0.02	<10	30	0.11	0.20	0.02	0.03	32.7	2.4	10
JNL048 05+75W		0.52	0.0044	0.39	2.06	42.2	<0.02	<10	90	0.83	0.51	0.53	0.18	45.4	16.8	23
JNL048 06+00W		0.65	0.0025	0.17	1.78	28.2	<0.02	<10	40	0.33	0.37	0.12	0.07	48.1	9.7	24
JNL048 06+25W		0.51	0.0016	0.10	1.64	21.9	<0.02	<10	40	0.30	0.31	0.24	0.13	48.9	11.8	24
JNL048 06+50W		0.55	0.0056	0.16	1.80	48.7	<0.02	<10	40	0.47	0.47	0.05	0.10	34.6	13.2	22
JNL048 06+75W		0.43	0.0025	0.07	0.72	30.1	<0.02	<10	30	0.17	0.20	0.03	0.04	10.00	3.4	8
JNL048 07+00W		0.41	0.0027	0.10	1.04	20.4	<0.02	<10	30	0.23	0.20	0.05	0.06	13.50	5.0	11
JNL048 07+25W		0.39	0.0015	0.08	0.74	16.9	<0.02	<10	20	0.21	0.20	0.05	0.07	12.35	4.2	9
JNL048 07+50W		0.77	0.0019	0.12	2.49	15.2	<0.02	<10	30	0.41	0.32	0.08	0.07	56.9	14.4	33
JNL048 07+75W		0.84	0.0019	0.11	2.30	17.4	<0.02	<10	30	0.41	0.34	0.12	0.10	60.9	17.3	31
JNL048 08+00W		0.72	0.0034	0.27	2.05	16.7	<0.02	<10	30	0.53	0.41	0.21	0.12	28.5	13.4	28
JNL048 08+25W		0.54	0.0036	0.33	2.19	29.9	<0.02	<10	60	1.14	0.51	0.27	0.08	26.0	15.2	26
JNL048 08+50W		0.59	0.0009	0.08	1.73	18.8	<0.02	<10	10	0.17	0.36	0.01	0.04	25.7	8.9	25
JNL048 08+75W		0.50	0.0001	0.05	0.87	5.8	<0.02	<10	20	0.11	0.19	0.02	0.03	19.50	2.6	10
JNL048 09+00W		0.57	0.0007	0.09	1.91	21.0	<0.02	<10	30	0.29	0.42	0.02	0.12	33.5	8.5	23
JNL048 09+25W		0.47	0.0007	0.21	1.23	11.2	<0.02	<10	30	0.18	0.34	0.02	0.06	27.6	5.0	16

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Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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	%
	LOD	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
JNL050 04+00W		4.71	43.4	4.34	3.99	0.08	0.06	0.03	0.037	0.07	28.8	23.0	0.41	490	0.84	<0.01
JNL050 04+25W		2.47	33.7	3.71	4.89	0.06	0.06	0.03	0.040	0.06	23.3	32.3	0.50	1330	0.58	0.01
JNL050 04+50W		2.39	38.3	3.94	3.04	0.07	0.05	0.03	0.041	0.06	25.0	20.4	0.40	511	0.42	<0.01
JNL050 04+75W		1.86	10.1	1.57	3.86	0.05	<0.02	0.02	0.013	0.04	18.8	8.6	0.12	108	0.31	0.01
JNL050 05+00W		1.43	21.5	3.23	4.82	0.06	0.03	0.02	0.024	0.04	22.6	35.1	0.50	263	0.82	<0.01
JNL050 05+25W		1.93	23.6	3.91	5.32	0.06	0.07	0.01	0.033	0.05	20.8	44.2	0.60	440	1.14	<0.01
JNL050 05+50W		1.24	28.5	4.41	5.46	0.07	0.02	0.01	0.030	0.04	28.4	41.1	0.52	448	0.75	<0.01
JNL050 05+75W		1.27	16.5	2.83	5.36	0.05	0.03	0.02	0.017	0.05	23.2	34.4	0.46	201	0.72	<0.01
JNL050 06+00W		1.97	25.3	4.04	6.38	0.08	0.09	0.01	0.026	0.05	31.7	63.3	0.83	407	0.88	<0.01
JNL050 06+25W		2.29	25.1	4.17	6.60	0.08	0.07	<0.01	0.023	0.04	34.5	65.1	0.91	366	0.61	<0.01
JNL050 06+50W		2.91	43.7	3.53	5.58	0.07	0.07	0.01	0.026	0.05	27.1	47.1	0.65	402	0.72	0.01
JNL050 06+75W		1.15	35.0	4.12	6.31	0.09	0.06	0.01	0.023	0.04	32.7	63.5	0.89	519	0.61	<0.01
JNL050 07+00W		1.44	45.9	4.44	5.59	0.09	0.02	0.01	0.025	0.05	32.1	54.6	0.79	657	0.76	<0.01
JNL050 07+25W		0.78	16.7	1.82	3.11	<0.05	<0.02	0.01	0.012	0.03	8.4	14.8	0.24	158	0.42	0.01
JNL050 07+50W		0.81	11.8	1.11	2.21	<0.05	<0.02	0.01	0.008	0.02	4.7	8.4	0.13	166	0.25	0.02
JNL050 07+75W		1.48	26.3	3.48	4.33	<0.05	0.02	0.01	0.020	0.05	15.1	25.4	0.45	312	0.66	0.01
JNL050 08+00W		2.63	32.3	3.10	4.48	0.05	0.04	0.02	0.044	0.05	14.4	36.7	0.52	455	0.54	0.01
JNL050 08+25W		0.48	37.8	3.99	5.36	0.09	0.05	0.01	0.019	0.03	32.5	53.6	0.77	519	0.32	<0.01
JNL050 08+50W		0.87	26.9	3.68	5.39	0.06	0.04	0.02	0.022	0.04	22.4	45.6	0.63	435	0.44	<0.01
JNL050 08+75W		0.65	14.8	3.09	5.25	0.05	0.04	0.02	0.017	0.02	18.2	42.8	0.57	211	0.30	<0.01
JNL050 09+00W		0.89	7.8	0.98	3.17	<0.05	<0.02	0.02	0.007	0.03	11.1	5.3	0.08	66	0.37	0.01
JNL050 09+25W		1.05	23.5	4.50	6.54	0.05	0.04	0.02	0.031	0.03	22.3	50.9	0.67	361	0.52	<0.01
JNL050 09+50W		0.86	22.7	3.90	5.23	0.06	0.04	0.02	0.029	0.04	21.7	36.5	0.52	309	0.44	<0.01
JNL050 09+75W		1.07	26.4	4.78	5.85	0.05	0.05	0.03	0.036	0.04	18.2	26.8	0.40	477	0.58	<0.01
JNL050 10+00W		1.34	7.0	1.20	4.02	<0.05	<0.02	0.01	0.011	0.04	17.4	8.4	0.12	142	0.41	0.01
JNL048 05+75W		3.03	48.7	3.68	5.54	0.07	0.10	0.03	0.040	0.07	28.7	44.8	0.52	601	0.92	0.01
JNL048 06+00W		1.76	22.1	3.32	5.65	0.06	0.04	0.01	0.021	0.05	27.2	44.8	0.61	288	0.69	<0.01
JNL048 06+25W		1.92	22.0	3.10	5.32	0.07	0.05	0.01	0.027	0.05	26.6	40.6	0.59	520	0.90	0.01
JNL048 06+50W		2.92	42.0	3.70	5.61	0.05	0.02	0.02	0.031	0.06	19.8	36.1	0.52	469	0.93	<0.01
JNL048 06+75W		1.50	13.1	1.42	2.65	<0.05	<0.02	0.01	0.011	0.03	6.2	8.6	0.15	89	0.40	0.01
JNL048 07+00W		1.10	12.2	1.87	3.39	<0.05	0.03	0.02	0.014	0.03	7.9	16.8	0.25	187	0.35	0.02
JNL048 07+25W		1.35	10.9	1.48	2.88	<0.05	<0.02	0.02	0.012	0.03	6.9	11.4	0.19	91	0.45	0.01
JNL048 07+50W		0.98	26.9	4.66	6.88	0.08	0.05	0.01	0.024	0.03	31.4	71.1	0.97	438	0.30	<0.01
JNL048 07+75W		0.68	37.3	4.57	6.45	0.08	0.03	0.01	0.021	0.03	32.9	70.6	0.94	552	0.29	<0.01
JNL048 08+00W		1.07	40.3	3.74	6.02	0.05	0.14	0.02	0.027	0.03	16.1	69.9	0.76	406	0.86	<0.01
JNL048 08+25W		4.22	60.3	3.45	5.41	0.05	0.15	0.05	0.035	0.04	18.5	60.8	0.65	279	0.66	<0.01
JNL048 08+50W		0.79	22.0	3.72	6.22	0.06	0.05	0.04	0.015	0.02	14.9	55.5	0.65	343	0.42	<0.01
JNL048 08+75W		0.90	8.1	1.43	4.11	<0.05	<0.02	0.02	0.009	0.02	10.9	14.1	0.17	86	0.43	<0.01
JNL048 09+00W		1.10	22.9	3.94	5.82	<0.05	0.07	0.02	0.023	0.04	18.1	42.9	0.51	272	0.56	<0.01
JNL048 09+25W		1.35	15.6	2.85	5.46	<0.05	0.02	0.03	0.020	0.03	14.9	16.9	0.24	218	0.68	<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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	ME- MS41 Nb ppm 0.05	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
JNL050 04+00W		0.26	39.9	690	37.6	8.2	<0.001	0.04	2.73	2.6	0.4	0.3	50.8	<0.01	0.06	6.2
JNL050 04+25W		0.29	30.2	1080	38.6	10.0	<0.001	0.07	1.18	1.9	0.5	0.3	56.8	<0.01	0.03	3.6
JNL050 04+50W		0.17	33.6	570	65.7	7.0	<0.001	0.04	3.21	2.9	0.5	0.9	51.5	<0.01	0.03	7.0
JNL050 04+75W		0.23	10.0	590	10.1	6.0	<0.001	0.03	0.52	0.5	0.2	0.5	10.4	<0.01	0.02	1.2
JNL050 05+00W		0.25	27.7	530	20.5	6.6	<0.001	0.02	0.73	1.3	0.2	0.3	21.3	<0.01	0.04	4.9
JNL050 05+25W		0.29	30.9	810	28.1	9.6	<0.001	0.04	0.78	1.6	0.3	0.3	34.4	<0.01	0.04	4.4
JNL050 05+50W		0.23	33.6	440	28.0	6.0	<0.001	0.02	1.21	1.4	0.3	0.5	10.4	<0.01	0.04	6.4
JNL050 05+75W		0.23	21.9	680	17.7	6.7	<0.001	0.03	0.84	0.9	0.3	0.3	9.6	<0.01	0.03	3.5
JNL050 06+00W		0.15	40.2	460	24.9	6.3	<0.001	0.02	0.55	1.8	0.4	0.2	17.7	<0.01	0.03	8.4
JNL050 06+25W		0.16	41.4	340	16.6	5.1	<0.001	0.01	0.57	1.6	0.3	0.2	12.5	<0.01	0.02	9.0
JNL050 06+50W		0.20	32.3	520	27.2	6.6	<0.001	0.03	0.88	1.6	0.4	0.2	42.4	<0.01	0.03	5.3
JNL050 06+75W		0.21	42.0	300	24.5	3.3	<0.001	0.01	0.83	1.7	0.4	<0.2	18.9	<0.01	0.03	9.9
JNL050 07+00W		0.08	44.3	470	52.0	3.9	<0.001	0.01	1.54	1.8	0.2	<0.2	20.6	<0.01	0.05	8.9
JNL050 07+25W		0.14	14.4	460	20.0	2.9	<0.001	0.02	1.00	0.3	0.2	<0.2	8.0	<0.01	0.02	0.5
JNL050 07+50W		0.22	7.8	350	8.3	2.1	<0.001	0.03	0.52	0.3	0.3	<0.2	13.5	<0.01	0.02	0.5
JNL050 07+75W		0.20	22.0	730	20.6	4.6	<0.001	0.05	2.36	0.5	0.2	0.2	12.5	<0.01	0.05	1.8
JNL050 08+00W		0.20	26.4	600	54.0	5.5	<0.001	0.04	1.47	1.3	0.6	0.2	30.6	<0.01	0.03	3.0
JNL050 08+25W		<0.05	37.2	500	32.9	2.3	<0.001	<0.01	1.07	1.8	0.3	<0.2	17.7	<0.01	0.04	12.3
JNL050 08+50W		0.16	29.5	600	32.0	5.2	<0.001	0.02	0.95	1.2	<0.2	0.2	11.4	<0.01	0.03	3.9
JNL050 08+75W		0.18	24.2	480	18.0	4.0	<0.001	0.02	0.51	0.8	0.2	<0.2	3.9	<0.01	0.02	3.0
JNL050 09+00W		0.11	4.3	630	7.4	4.4	<0.001	0.02	0.25	0.1	0.2	0.2	4.6	<0.01	0.01	<0.2
JNL050 09+25W		0.30	29.7	700	26.7	5.6	<0.001	0.02	1.06	0.9	0.2	0.2	6.2	<0.01	0.03	2.8
JNL050 09+50W		0.23	26.3	570	39.7	5.3	<0.001	0.02	1.25	1.0	0.2	0.2	5.9	<0.01	0.02	3.5
JNL050 09+75W		0.40	23.1	1070	42.3	6.2	<0.001	0.04	1.09	0.9	0.4	0.2	7.3	<0.01	0.03	2.6
JNL050 10+00W		0.24	5.8	410	8.9	7.1	<0.001	0.01	0.28	0.2	0.2	0.4	5.6	<0.01	0.02	0.3
JNL048 05+75W		0.27	32.8	800	39.3	9.7	<0.001	0.04	1.00	2.2	0.4	0.4	70.5	<0.01	0.04	5.7
JNL048 06+00W		0.16	27.5	560	22.4	6.2	<0.001	0.03	0.74	1.3	0.3	0.2	18.5	<0.01	0.03	5.4
JNL048 06+25W		0.13	28.5	490	16.8	6.6	<0.001	0.03	0.67	1.5	0.3	0.2	28.8	<0.01	0.04	5.3
JNL048 06+50W		0.15	28.4	680	42.5	8.6	<0.001	0.03	1.48	1.2	0.3	0.3	9.9	<0.01	0.04	3.6
JNL048 06+75W		0.19	9.2	370	17.2	4.6	<0.001	0.03	0.71	0.5	0.2	0.2	7.2	<0.01	0.01	1.1
JNL048 07+00W		0.34	12.0	400	15.7	3.2	<0.001	0.03	0.50	0.7	0.2	<0.2	7.8	<0.01	0.01	1.8
JNL048 07+25W		0.25	9.5	440	15.8	3.3	<0.001	0.04	0.71	0.4	0.2	<0.2	10.8	<0.01	0.02	0.7
JNL048 07+50W		0.07	43.0	360	22.3	3.5	<0.001	0.01	0.63	1.7	0.3	<0.2	11.1	<0.01	0.03	8.1
JNL048 07+75W		<0.05	43.9	410	28.1	2.4	<0.001	<0.01	0.87	1.9	0.3	<0.2	14.9	<0.01	0.04	11.4
JNL048 08+00W		0.09	38.1	500	25.8	4.0	0.001	0.02	1.04	2.1	0.4	<0.2	21.7	<0.01	0.05	6.8
JNL048 08+25W		0.13	39.9	670	34.8	3.7	<0.001	0.05	1.15	2.4	0.7	0.2	27.8	<0.01	0.04	5.4
JNL048 08+50W		0.17	27.7	590	19.1	2.9	0.001	0.01	0.73	0.8	<0.2	<0.2	3.2	<0.01	0.06	2.5
JNL048 08+75W		0.16	8.1	620	8.9	5.0	<0.001	0.02	0.37	0.1	<0.2	0.3	4.3	<0.01	0.02	<0.2
JNL048 09+00W		0.47	23.6	650	35.1	6.7	<0.001	0.02	0.93	1.0	0.3	0.3	5.3	<0.01	0.03	3.4
JNL048 09+25W		0.24	12.9	950	20.9	6.5	<0.001	0.03	0.74	0.3	<0.2	0.4	5.4	<0.01	0.03	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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL050 04+00W		<0.005	0.08	2.20	16	0.11	11.65	91	1.9	
JNL050 04+25W		<0.005	0.09	2.03	16	0.09	10.15	101	1.7	
JNL050 04+50W		<0.005	0.07	2.29	12	0.08	12.65	119	1.8	
JNL050 04+75W		0.005	0.09	0.50	13	0.07	1.91	31	<0.5	
JNL050 05+00W		<0.005	0.06	1.31	16	0.07	3.14	78	1.0	
JNL050 05+25W		0.005	0.08	1.95	19	0.08	3.68	100	2.0	
JNL050 05+50W		<0.005	0.06	0.83	18	0.09	3.39	92	0.8	
JNL050 05+75W		<0.005	0.06	0.76	17	0.07	1.88	63	1.0	
JNL050 06+00W		<0.005	0.05	1.82	18	0.05	4.19	100	2.6	
JNL050 06+25W		<0.005	0.04	0.98	18	<0.05	3.64	100	2.2	
JNL050 06+50W		<0.005	0.06	4.00	16	<0.05	7.57	90	2.1	
JNL050 06+75W		<0.005	0.04	1.57	16	<0.05	4.09	101	2.5	
JNL050 07+00W		<0.005	0.04	2.00	16	<0.05	6.00	117	0.5	
JNL050 07+25W		0.007	0.03	0.48	11	<0.05	1.32	43	0.5	
JNL050 07+50W		0.010	0.02	0.98	8	<0.05	2.26	27	0.5	
JNL050 07+75W		0.005	0.03	0.83	13	<0.05	1.97	73	0.7	
JNL050 08+00W		0.005	0.04	2.81	15	<0.05	7.08	101	1.2	
JNL050 08+25W		<0.005	0.02	0.83	13	<0.05	6.02	102	3.2	
JNL050 08+50W		<0.005	0.04	0.68	15	<0.05	3.43	91	1.2	
JNL050 08+75W		0.005	0.03	0.41	14	<0.05	1.55	66	1.3	
JNL050 09+00W		<0.005	0.05	0.36	11	0.06	0.85	17	<0.5	
JNL050 09+25W		0.006	0.04	0.62	19	0.05	2.21	90	1.1	
JNL050 09+50W		<0.005	0.05	0.69	15	0.05	2.88	91	1.1	
JNL050 09+75W		0.009	0.05	0.81	17	0.07	3.29	79	1.6	
JNL050 10+00W		0.010	0.08	0.40	17	0.10	1.38	25	<0.5	
JNL048 05+75W		<0.005	0.09	6.58	17	0.07	11.40	102	2.8	
JNL048 06+00W		<0.005	0.05	1.29	16	0.05	3.07	84	1.2	
JNL048 06+25W		<0.005	0.05	1.14	15	0.05	3.44	85	1.4	
JNL048 06+50W		<0.005	0.08	1.55	18	0.05	3.78	90	0.8	
JNL048 06+75W		0.005	0.05	0.62	10	<0.05	1.63	30	<0.5	
JNL048 07+00W		0.009	0.03	0.93	10	0.05	1.71	37	1.1	
JNL048 07+25W		0.008	0.03	1.16	12	<0.05	1.61	35	<0.5	
JNL048 07+50W		<0.005	0.03	0.71	19	<0.05	3.52	110	1.4	
JNL048 07+75W		<0.005	0.02	0.95	17	<0.05	5.31	112	1.7	
JNL048 08+00W		<0.005	0.03	5.08	15	<0.05	8.94	103	4.3	
JNL048 08+25W		<0.005	0.05	9.22	14	<0.05	17.50	99	4.0	
JNL048 08+50W		0.005	0.03	0.49	18	<0.05	1.55	74	1.3	
JNL048 08+75W		<0.005	0.03	0.37	13	0.06	1.11	28	<0.5	
JNL048 09+00W		0.007	0.06	0.65	18	0.12	2.60	79	2.0	
JNL048 09+25W		0.006	0.06	0.56	21	0.11	1.87	49	0.6	

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

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CRANBROOK BC V1C 2R7

Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	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
JNL048 09+50W		0.59	0.0013	0.10	2.00	18.2	<0.02	<10	40	0.53	0.42	0.04	0.16	38.7	12.7	24
JNL048 09+75W		0.62	0.0004	0.04	1.02	11.3	<0.02	<10	30	0.11	0.31	0.01	0.03	27.9	4.3	13
JNL048 10+00W		0.52	0.0007	0.17	1.53	15.5	<0.02	<10	30	0.27	0.38	0.02	0.09	32.3	7.8	19

***** 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: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	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
JNL048 09+50W		0.80	32.0	4.33	5.48	0.06	0.10	0.02	0.032	0.04	20.1	50.7	0.64	440	0.36	<0.01
JNL048 09+75W		0.97	10.9	1.99	5.02	<0.05	<0.02	0.01	0.012	0.03	15.1	19.4	0.29	139	0.46	<0.01
JNL048 10+00W		0.91	20.5	3.70	5.60	<0.05	0.05	0.03	0.026	0.03	17.0	30.1	0.40	264	0.46	<0.01

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Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method Analyte Units LOD	ME- MS41 Nb ppm 0.05	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
JNL048 09+50W		0.17	33.8	660	44.6	5.8	<0.001	0.02	1.20	1.4	<0.2	<0.2	7.2	<0.01	0.03	5.9
JNL048 09+75W		0.17	13.5	430	11.6	5.6	<0.001	0.02	0.58	0.4	<0.2	0.3	3.8	<0.01	0.02	0.6
JNL048 10+00W		0.24	21.5	730	31.8	5.9	<0.001	0.03	1.05	0.9	0.2	0.2	4.7	<0.01	0.02	2.9

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Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

Sample Description	Method / Analyte / Units / LOD	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	Au- AROR43 Au ppm 0.01
JNL048 09+50W		<0.005	0.04	0.81	14	<0.05	4.66	102	2.7	
JNL048 09+75W		0.008	0.05	0.40	17	0.09	1.50	45	<0.5	
JNL048 10+00W		<0.005	0.05	0.65	14	0.06	2.59	66	1.4	

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Finalized Date: 20- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18226416

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: 17- OCT- 2018
Account: TELOEX

CERTIFICATE WH18228675

Project: 1008072- TELOEX- R1

P.O. No.: JN18- 001

This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2018.

The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

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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SUITE 200
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Finalized Date: 17- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18228675

Sample Description	Method / Analyte / Units / LOD	WEI- 21 Recvd Wt. kg 0.02	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
HGJNR001		2.37	0.08	0.82	12.2	<0.02	<10	10	0.12	0.14	0.06	0.03	15.60	4.6	13	0.19
HGJNR002		1.00	0.01	0.26	5.9	<0.02	<10	20	<0.05	0.03	0.20	0.04	14.10	1.1	14	0.37
HGJNR003		2.03	0.05	3.45	25.9	<0.02	<10	70	1.12	12.45	1.87	0.03	56.6	11.4	53	15.25
HGJNR004		4.40	0.07	2.42	46.7	<0.02	<10	40	0.70	15.95	1.38	0.04	59.5	6.6	44	14.50

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Finalized Date: 17- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18228675

Sample Description	Method / Analyte / Units / LOD	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
HGJNR001		14.3	1.80	2.14	<0.05	0.04	<0.01	0.015	0.05	8.4	25.9	0.35	236	0.27	<0.01	<0.05
HGJNR002		4.0	0.73	1.40	<0.05	<0.02	<0.01	0.006	0.03	6.9	5.1	0.09	109	0.33	0.01	<0.05
HGJNR003		58.4	2.02	11.85	0.09	0.23	<0.01	0.030	0.71	29.2	37.9	0.69	108	0.23	0.30	0.62
HGJNR004		18.2	2.90	10.15	0.07	0.32	<0.01	0.058	0.50	30.3	47.2	0.92	313	0.42	0.11	0.45

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Finalized Date: 17- OCT- 2018
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Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18228675

Sample Description	Method Analyte Units LOD	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
HGJNR001		11.4	270	23.4	2.3	<0.001	<0.01	0.43	0.9	<0.2	<0.2	7.1	<0.01	<0.01	2.3	<0.005
HGJNR002		3.0	700	1.5	3.4	<0.001	<0.01	0.20	0.4	0.3	0.3	21.6	<0.01	0.01	4.3	<0.005
HGJNR003		29.9	430	4.6	97.4	<0.001	0.16	0.43	6.5	0.2	6.0	119.5	0.01	0.09	18.8	0.188
HGJNR004		27.2	310	6.0	76.2	<0.001	0.04	0.38	6.5	<0.2	20.3	63.6	<0.01	0.19	19.0	0.155

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Finalized Date: 17- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18228675

Sample Description	Method Analyte Units LOD	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- AA26 Au ppm 0.01
HGJNR001		0.02	0.35	6	<0.05	1.54	46	1.7	<0.01
HGJNR002		0.02	0.24	4	<0.05	2.46	13	0.8	<0.01
HGJNR003		0.63	1.72	50	0.42	10.20	25	7.1	<0.01
HGJNR004		0.53	1.37	49	2.40	10.30	42	9.6	0.01

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CRANBROOK BC V1C 2R7

Finalized Date: 17- OCT- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18228675

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:				
	CRU- 31	CRU- QC	LOG- 22	PUL- 32m
	PUL- QC	SPL- 21	WEI- 21	

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

Applies to Method:		
	Au- AA26	ME- MS41

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

Finalized Date: 5- NOV- 2018
Account: TELOEX

CERTIFICATE WH18248806

Project: 1008072- TELOEX- R1
P.O. No.: JN18- 001
This report is for 75 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2018.
The following have access to data associated with this certificate:

JESSE CAMPBELL	CHRIS GALLAGHER	MIKE MCCUAIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis
BAG- 01	Bulk Master for Storage
SCR- 21C	Screen 2- 3kg to 100- 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR24C	Au Screen FA Double Minus 50g 2- 3 kg	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS

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: 5- NOV- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18248806

Sample Description	Method	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- AA26	Au- AA26D
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm
	LOD	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
KBJNR001		2.54	3.56	2.49	0.546	153.30	2622	2.43	2.54
MMJNR145		<0.05	<0.05	<0.05	<0.001	183.15	2922	<0.01	<0.01
MMJNR146		<0.05	<0.05	<0.05	<0.001	167.40	2912	<0.01	<0.01
MMJNR147		<0.05	<0.05	<0.05	<0.001	147.50	2819	<0.01	<0.01
MMJNR148		<0.05	<0.05	<0.05	<0.001	135.70	2855	<0.01	<0.01
MMJNR149		<0.05	<0.05	<0.05	<0.001	128.80	2827	<0.01	<0.01
MMJNR150		0.93	2.90	0.83	0.443	152.50	2823	0.83	0.82
MMJNR150S								1.04	1.00
MMJNR150B		<0.05	<0.05	<0.05	<0.001	163.65	2806	<0.01	<0.01
MMJNR151		88.2	789	43.4	141.080	178.80	2797	42.0	44.7
MMJNR151B		<0.05	<0.05	<0.05	<0.001	206.7	2761	0.02	0.01
MMJNR152		1.43	3.66	1.28	0.684	186.80	2773	1.30	1.25
MMJNR152B		<0.05	0.12	<0.05	0.023	185.55	2817	<0.01	<0.01
MMJNR153		0.75	0.31	0.77	0.034	108.05	2860	0.74	0.79
MMJNR153B		<0.05	0.16	<0.05	0.015	94.58	2885	<0.01	<0.01
MMJNR154		0.10	0.61	0.08	0.099	161.10	2795	0.08	0.07
MMJNR154S								9.68	9.76
MMJNR155		<0.05	<0.05	<0.05	<0.001	74.03	2882	0.01	0.01
MMJNR156		<0.05	0.26	<0.05	0.025	94.45	2868	0.01	0.01
MMJNR157		<0.05	<0.05	<0.05	<0.001	117.15	2865	<0.01	0.01
MMJNR158		<0.05	<0.05	<0.05	<0.001	77.71	2910	0.01	0.01
MMJNR159		<0.05	<0.05	<0.05	<0.001	60.55	2911	0.01	0.01
MMJNR160		7.65	47.6	6.35	4.461	93.76	2878	6.44	6.26
MMJNR161		0.05	<0.05	0.06	<0.001	88.00	2882	0.05	0.06
MMJNR162		0.36	0.28	0.36	0.019	68.95	2901	0.36	0.36
MMJNR163		0.19	0.23	0.19	0.013	56.40	2903	0.20	0.18
MMJNR164		0.08	0.05	0.09	0.007	144.75	2818	0.09	0.08
MMJNR165		0.08	0.08	0.08	0.003	36.85	2960	0.07	0.08
MMJNR165B		<0.05	<0.05	<0.05	<0.001	95.22	2865	<0.01	<0.01
MMJNR166		0.06	0.06	0.06	0.003	51.71	2948	0.06	0.06
MMJNR167		<0.05	<0.05	<0.05	0.003	109.50	2876	0.03	0.03
MMJNR168		<0.05	<0.05	<0.05	<0.001	59.67	2937	0.01	0.04
MMJNR169		<0.05	<0.05	<0.05	<0.001	54.06	2938	0.01	0.01
MMJNR169S								1.02	1.03
MMJNR170		0.10	<0.05	0.11	<0.001	140.45	2842	0.10	0.11
MMJNR170B		<0.05	<0.05	<0.05	<0.001	142.25	2835	<0.01	<0.01
MMJNR171		<0.05	<0.05	<0.05	<0.001	201.4	2788	0.02	0.03
MMJNR172		<0.05	<0.05	<0.05	<0.001	160.85	2787	0.02	0.02
MMJNR173		<0.05	<0.05	<0.05	<0.001	104.90	2869	0.02	0.02
MMJNR173S								9.85	9.18

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

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Finalized Date: 5- NOV- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18248806

Sample Description	Method	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- SCR24C	Au- AA26	Au- AA26D
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm
	LOD	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
MMJNR174		<0.05	<0.05	<0.05	<0.001	64.71	2903	0.02	0.02
MMJNR175		<0.05	<0.05	<0.05	<0.001	35.07	2938	0.02	0.02
MMJNR176		0.22	0.09	0.23	0.009	102.45	2888	0.22	0.23
MMJNR177		<0.05	<0.05	0.05	0.001	34.18	2914	0.05	0.04
MMJNR178		<0.05	<0.05	<0.05	<0.001	29.11	2934	0.03	0.04
MMJNR179		0.37	0.32	0.37	0.029	91.79	2847	0.38	0.36
MMJNR180		0.98	1.39	0.98	0.042	30.11	2949	0.96	1.00
MMJNR180B		<0.05	<0.05	<0.05	<0.001	158.70	2764	<0.01	<0.01
MMJNR181		0.27	0.22	0.28	0.021	94.28	2868	0.28	0.27
MMJNR181S								9.57	9.56
MMJNR182		<0.05	<0.05	<0.05	<0.001	99.53	2841	0.03	0.03
MMJNR183		7.39	3.97	7.61	0.699	176.30	2798	7.89	7.32
MMJNR184		3.89	3.42	3.90	0.169	49.34	2918	3.89	3.90
MMJNR185		4.70	4.05	4.73	0.363	89.68	2876	4.77	4.68
MMJNR186		<0.05	<0.05	<0.05	0.001	105.60	2850	0.01	0.02
MMJNR187		<0.05	<0.05	<0.05	<0.001	122.85	2848	<0.01	0.01
MMJNR188		<0.05	<0.05	<0.05	<0.001	74.25	2885	0.01	0.01
MMJNR188B		<0.05	<0.05	<0.05	<0.001	131.05	2850	<0.01	<0.01
MMJNR189		<0.05	<0.05	<0.05	<0.001	61.50	2911	0.02	0.02
MMJNR190		<0.05	<0.05	<0.05	<0.001	67.97	2912	0.01	0.01
MMJNR190S								1.03	NSS
MMJNR191		<0.05	<0.05	<0.05	<0.001	53.78	2907	0.02	0.02
MMJNR192		<0.05	<0.05	<0.05	<0.001	84.55	2881	0.01	0.01
MMJNR193		<0.05	<0.05	<0.05	<0.001	81.68	2886	0.02	0.03
MMJNR193B		<0.05	<0.05	<0.05	<0.001	158.50	2800	0.01	<0.01
MMJNR194		<0.05	<0.05	<0.05	<0.001	166.35	2806	<0.01	0.01
MMJNR195		<0.05	<0.05	<0.05	<0.001	101.15	2869	<0.01	<0.01
MMJNR195S								1.02	1.01
MMJNR196		<0.05	<0.05	<0.05	<0.001	76.44	2887	<0.01	<0.01
MMJNR197		<0.05	<0.05	<0.05	<0.001	88.81	2883	<0.01	0.01
MMJNR198		<0.05	<0.05	<0.05	<0.001	80.57	2893	<0.01	<0.01
MMJNR199		<0.05	<0.05	<0.05	<0.001	50.97	780.2	<0.01	<0.01
MMJNR200		<0.05	<0.05	<0.05	<0.001	66.63	2890	0.02	0.02
MMJNR201		<0.05	<0.05	<0.05	<0.001	60.25	2911	<0.01	<0.01
MMJNR202		0.15	<0.05	0.16	0.003	74.44	2090	0.15	0.16

***** 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: 5- NOV- 2018
Account: TELOEX

Project: 1008072- TELOEX- R1

CERTIFICATE OF ANALYSIS WH18248806

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
Applies to Method: FND- 02

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Au- AA26, Au- AA26D, Au- SCR24C, BAG- 01, SCR- 21C

Exploring Heavy Minerals

Overburden Drilling Management Limited
Unit 107, 15 Capella Court
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Laboratory Data Report

Client Information

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

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Attention: Mr. M. McCuaig

Data-File Information

Date:	December 7, 2018
Client reference number:	JN2018-1
Project name:	HGJNT-MMJNT
ODM batch number:	7945
Sample numbers:	HGJNT001 and HGJNT002; and MMJNT002 to MMJNT006
Data file:	20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Number of samples in this report:	7
Number of samples processed to date:	7
Total number of samples in project:	7
Preliminary data:	[ ]
Final data:	[X]
Revised data:	[ ]

Samples Processed For: **Gold, MMSIMs**

Processing Specifications:

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

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: TerraLogic Exploration Inc.
File Name: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

						Screening and Shaking Table Sample Descriptions												
						Clasts (+2.0 mm)					Matrix (-2.0 mm)							
	Weight (kg wet)						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
HGJNT001	7.4	0.3	7.1	2.4	4.7	P	90	10	0	0	U	+	Y	-	N	OC	OC	TILL
HGJNT002	5.7	0.3	5.4	1.6	3.8	P	90	10	0	0	U	+	Y	-	N	OC	OC	TILL
MMJNT002	6.4	0.3	6.1	1.7	4.4	P	90	10	0	0	U	Y	Y	Y	Y	DOC	DOC	TILL
MMJNT003	6.8	0.3	6.5	1.6	4.9	P	80	20	0	0	U	+	Y	-	N	GB	GB	TILL
MMJNT004	6.0	0.3	5.7	0.9	4.8	P	75	25	0	0	U	-	+	Y	N	LOC	LOC	TILL
MMJNT005	6.4	0.3	6.1	1.3	4.8	P	75	25	0	0	U	Y	+	-	N	OC	OC	TILL
MMJNT006	5.8	0.3	5.5	1.3	4.2	P	80	20	0	0	U	Y	+	-	N	LOC	LOC	TILL

Gold Grain Summary

Client: TerraLogic Exploration Inc.
File Name: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
HGJNT001	0	0	0	0	18.8	0	0	0	0
HGJNT002	0	0	0	0	15.2	0	0	0	0
MMJNT002	0	0	0	0	17.6	0	0	0	0
MMJNT003	8	4	3	1	19.6	71	9	58	4
MMJNT004	7	3	3	1	19.2	36	2	30	4
MMJNT005	0	0	0	0	19.2	0	0	0	0
MMJNT006	3	0	2	1	16.8	68	0	9	59

* 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: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

	Dimensions (µm)			Number of Visible Gold Grains				Nonmag HMC Weight*	Calculated V.G. Assay in HMC	
Sample Number	Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	Metallic Minerals in Pan Concentrate
HGJNT001	No Visible Gold									Tr (~1000 grains) pyrite (25-200 µm).
HGJNT002	No Visible Gold									Tr (~20 grains) pyrite (25-75 µm).
MMJNT002	No Visible Gold									No sulphides.
MMJNT003	3 C	15	15	1			1		<1	No sulphides.
	5 C	25	25	1			1		1	
	8 C	25	50	2		1	3		11	
	10 C	25	75		1		1		7	
	13 C	50	75		1		1		18	
	15 C	75	75		1		1		33	
							8	19.6	71	
MMJNT004	3 C	15	15	2			2		1	Tr (5 grains) pyrite (25 µm).
	5 C	25	25	1	1		2		3	
	8 C	25	50			1	1		4	
	10 C	50	50		1		1		10	
	13 C	50	75		1		1		19	
							7	19.2	36	
MMJNT005	No Visible Gold									No sulphides.
MMJNT006	8 C	25	50		2		2		9	No sulphides.
	18 C	75	100			1	1		59	
							3	16.8	68	

* 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: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

	Weight of -2.0 mm Table Concentrate (g)												
			0.25 to 2.0 mm Heavy Liquid Separation at 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
HGJNT001	594.0	269.1	324.9	323.7	1.2	0.68	0.02	0.5	100	0.5	0.2	0.2	0.1
HGJNT002	621.5	207.8	413.7	413.3	0.4	0.15	0.01	0.24	100	0.24	0.1	0.1	0.04
MMJNT002	441.7	234.8	206.9	206.7	0.2	0.03	0.01	0.16	100	0.16	0.07	0.07	0.02
MMJNT003	1018.0	332.9	685.1	683.9	1.2	0.28	0.02	0.9	100	0.9	0.5	0.3	0.1
MMJNT004	602.7	318.7	284.0	283.0	1.0	0.19	0.01	0.8	100	0.8	0.4	0.3	0.1
MMJNT005	704.1	317.6	386.5	385.3	1.2	0.29	0.01	0.9	100	0.9	0.4	0.4	0.1
MMJNT006	632.9	293.1	339.8	335.9	3.9	0.59	0.01	3.3	100	3.3	1.6	1.2	0.5

Paramagnetic/Non-Paramagnetic Fraction Weights

Client: TerraLogic Exploration Inc.
File Name: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

	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*
HGJNT001	0.19	0.01	0.02	0.10	0.04	0.02
HGJNT002	0.09	NA	NA	0.06**	0.02	0.01
MMJNT002	0.07	NA	NA	0.03**	0.03	0.01
MMJNT003	0.46	0.01	0.01	0.16	0.27	0.01
MMJNT004	0.44	0.01	0.01	0.27	0.14	0.01
MMJNT005	0.44	0.01	0.02	0.22	0.18	0.01
MMJNT006	1.64	0.01	0.03	0.79	0.74	0.07

*SG <3.20 heavy liquid separation clean up of >1.0 amp fraction.
**Only paramagnetically separated at 1.0 amp due to undersized concentrate.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: TerraLogic Exploration Inc.
File Name: 20187945 - Terralogic - McCuaig - (JNL-MMJNT) - November 2018
Total Number of Samples in this Report: 7
ODM Batch Number(s): 7945

	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
HGJNT001	0	4% scheelite (17 gr) 8% arsenopyrite (31 gr)	Tr (2 gr)	98	0	0	0	0	0	0	0	0	0	0	0	0	0	30	Goethite/epidote-monazite assemblage. SEM checks from 0.25-0.5 mm fraction: 7 bismuth versus arsenopyrite candidates = 7 arsenopyrite; 5 scheelite candidates = 5 scheelite; and 5 black monazite (major nonparamagnetic assemblage mineral) candidates = 5 monazite.	1.0-2.0 mm fraction: 1 arsenopyrite 0.5-1.0 mm fraction: 5 scheelite 7 arsenopyrite 0.25-0.5 mm fraction: 17 scheelite 31 arsenopyrite 5 representative monazite
HGJNT002	Tr (1 gr)	0	Tr (1 gr)	99	0	0	0	0	0	0	0	0	0	0	0	0	0	50	Goethite/monazite-epidote assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite
MMJNT002	0	0	1 (3 gr)	98	0	0	0	0	0	0	0	Tr	0	0	0	0	0	95	Goethite/monazite assemblage.	
MMJNT003	Tr (1 gr)	0	2 (~50 gr)	70	0	0	0	0	0	0	0	0	0	0	1	0	0	95	Goethite-hornblende/monazite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite
MMJNT004	0	0	Tr (1 gr)	99	0	0	0	0	0	0	0	0	0	0	0	0	0	95	Goethite/monazite assemblage.	
MMJNT005	0	Tr scheelite (1 gr)	Tr (3 gr)	95	0	Tr low-Cr diopside (3 gr)	0	0	0	0	0	0	0	0	0	0	0	98	Goethite/monazite assemblage. SEM check from 0.25-0.5 mm fraction: 1 scheelite candidate = 1 scheelite.	0.25-0.5 mm fraction: 1 scheelite 3 low-Cr diopside
MMJNT006	0	0	Tr (4 gr)	98	0	0	0	0	0	0	0	0	0	0	0	0	0	98	Goethite/monazite assemblage.	

Appendix VI

Bedrock Geologic Mapping Data

Appendix 6 - Geology Station Data

Station	Target Zone	Location Method	UTM Datum	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Notes	Username	Recorded Time
MMJNG085	Lost Ace	gps	nad83	09N	544742	6840692	1458	Start of JNTR18-001.Outcrop - 0.0 - 9.0 m; Subcrop 9.0 - 14.0 m.	MM	9/4/2018
MMJNG086	Lost Ace	gps	nad83	09N	544765	6840695		Start of JNTR18-002.	MM	9/7/2018
MMJNG087	Lost Ace	gps	nad83	09N	544868	6840662		Start of JNTR18-003.	MM	9/8/2018
MMJNG088	Lost Ace	gps	nad83	09N	544848	6840671	1439	Start of JNTR18-004. Panned concentrate obtained from riffles in outcrop at the base of sample MMJNR187. Trace sulphide (pyrite, arsenopyrite) observed.	MM	9/8/2018
MMJNG089	Lost Ace	gps	nad83	09N	544835	6840692	1437	Start of JNTR18-005.	MM	9/9/2018
MMJNG090	Lost Ace	gps	nad83	09N	544851	6840689	1448	10.0 m north of JNTR18-004.	MM	9/9/2018
MMJNG091	Lost Ace	gps	nad83	09N	538559	6845707		Resistant, blocky outcropping on till traverse line. More prospecting of the outcrop is required.	MM	9/10/2018

Appendix 6 - Lithology Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Outcrop	Lith Unit	Lith Major	Lith Minor	Colour Weath	Colour Fresh	Grain Size	Notes
MMJNG085	09N	544742	6840692	1458	outcrop	PCH	grit	vein stockwork	greyish-brown	beige-grey	medium-coarse	The quartz-feldspar grit contains inclusions/partings of phyllite, suggestive of close proximity to grit/phyllite contact.
MMJNG085	09N	544742	6840692	1458	outcrop	PCH	pebble conglomerate	grit			medium-coarse	Observed from approximately 10.0 - 14.0 m as subcrop/rubble crop.
MMJNG086	09N	544765	6840695		outcrop	PCH	grit	phyllite	greenish-grey	light greyish-brown	fine-medium	Blocky, rotten subcrop-rubble crop. Grit is dominated by quartz grains of varied morphology, poorly sorted, immature, clay rich matrix now altered to muscovite, foliation is present but not pervasive.
MMJNG087	09N	544868	6840662		outcrop	PCH	pebble conglomerate	phyllite	beige-grey	greenish-grey	medium-coarse	Pebble conglomerate from 0.0 - 2.8 m. Phyllite from 2.8 - 5.0 m.
MMJNG088	09N	544848	6840671	1439	outcrop	PCH	pebble conglomerate	phyllite	light beige-grey	light reddish-brown	medium-coarse	Quartz pebble conglomerate/quartz grit. Oxidized reddish brown, weathering penetrates approximately 5 cm into outcrop - observed on cut faces. Phyllite interbedded with grit. Phyllite is light greenish grey, foliated.
MMJNG089	09N	544835	6840692	1437	outcrop	PCH	phyllite		grey	greenish-grey	fine	
MMJNG090	09N	544851	6840689	1448	rubble	PCH	vein		orangish-brown	white		
MMJNG091	09N	538559	6845707		outcrop	PCH	pebble conglomerate	phyllite	light greenish-grey	beige	fine-medium	Rare interbeds of greenish grey phyllite hosted within fine-medium grained pebble conglomerate/grit. Phyllite observed more toward the northern end of the outcrop suggesting proximity to contact zone. Foliation is conspicuous.

Appendix 6 - Lithology Mineralogy Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Mineral	Percent	Grain Size	Texture
MMJNG085	09N	544742	6840692	1458	clay	5	fine	interstitial
MMJNG085	09N	544742	6840692	1458	feldspar	30	medium-coarse	rounded
MMJNG085	09N	544742	6840692	1458	quartz	65	medium-coarse	rounded
MMJNG085	09N	544742	6840692	1458	feldspar	30	medium	rounded
MMJNG085	09N	544742	6840692	1458	clay	5	fine	interstitial
MMJNG085	09N	544742	6840692	1458	quartz	65	medium-coarse	rounded
MMJNG085	09N	544742	6840692	1458	clay	5	fine	interstitial
MMJNG085	09N	544742	6840692	1458	feldspar	30	medium-coarse	rounded
MMJNG085	09N	544742	6840692	1458	quartz	65	medium-coarse	rounded
MMJNG085	09N	544742	6840692	1458	feldspar	30	medium	rounded
MMJNG085	09N	544742	6840692	1458	clay	5	fine	interstitial
MMJNG085	09N	544742	6840692	1458	quartz	65	medium-coarse	rounded
MMJNG090	09N	544851	6840689	1448	quartz	99	fine-medium	

Appendix 6 - Lithology Texture Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Texture
MMJNG085	09N	544742	6840692	1458	Fracture Density - mod
MMJNG085	09N	544742	6840692	1458	massive
MMJNG085	09N	544742	6840692	1458	Fracture Density - mod
MMJNG085	09N	544742	6840692	1458	massive
MMJNG086	09N	544765	6840695		rotten
MMJNG086	09N	544765	6840695		block
MMJNG087	09N	544868	6840662		interbedded
MMJNG087	09N	544868	6840662		foliated
MMJNG088	09N	544848	6840671	1439	Fracture Density - mod
MMJNG088	09N	544848	6840671	1439	massive
MMJNG088	09N	544848	6840671	1439	foliated
MMJNG089	09N	544835	6840692	1437	foliated
MMJNG090	09N	544851	6840689	1448	block
MMJNG091	09N	538559	6845707		foliated

Appendix 6 - Alteration Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Assemblage	Generation	Process	Texture	Distribution	Intensity	Notes
MMJNG085	09N	544742	6840692	1458		1	replacement		envelope	3	Silicification of the quartz-feldspar grit is common, obscuring primary bedding features and quartz-feldspar grains.
MMJNG085	09N	544742	6840692	1458	cly	2	replacement	corrosive	selective	3	Clay alteration is selective to feldspars, and is common in zones of fault gouge.
MMJNG085	09N	544742	6840692	1458			replacement	mottled	selective	3	Oxidation of arsenopyrite within quartz veining, distribution controlled by cm scale pervasive fracture cleavage. Observed in portions of the vein with VG.
MMJNG086	09N	544765	6840695				replacement	intergrowths	selective	3	Muscovite occurs as euhedral-subhedral crystals, selectively replacing the matrix of the grit.
MMJNG087	09N	544868	6840662				replacement		local	3	Silica alteration noted in pebble conglomerate enveloping the vein.
MMJNG088	09N	544848	6840671	1439			replacement		halo	4	Alteration intensity is higher in the pebble conglomerate, presumably as a function of increased porosity in contrast to the phyllite, which remains soft even in zones of quartz veining.
MMJNG088	09N	544848	6840671	1439	chl		replacement		selvage	4	Selective to phyllite.
MMJNG089	09N	544835	6840692	1437	chl		replacement		vein controlled	2	Chlorite selvages common along quartz vein contacts.
MMJNG091	09N	538559	6845707		sil		replacement		envelope	3	Silica alteration appears to be a halo to quartz stockwork veinlets. May in part be due to regional metamorphism - unclear.

Appendix 6 - Alteration Mineralogy Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Mineral	Intensity	Texture	Notes
MMJNG085	09N	544742	6840692	1458	silica	2	vein halo	
MMJNG085	09N	544742	6840692	1458	scorodite	3	corrosive	
MMJNG085	09N	544742	6840692	1458	clay	3	corrosive	
MMJNG085	09N	544742	6840692	1458	silica	2	vein halo	
MMJNG085	09N	544742	6840692	1458	muscovite	3	vein halo	
MMJNG085	09N	544742	6840692	1458	scorodite	3	corrosive	
MMJNG085	09N	544742	6840692	1458	clay	3	corrosive	
MMJNG085	09N	544742	6840692	1458	silica	2	vein halo	
MMJNG085	09N	544742	6840692	1458	muscovite	3	vein halo	
MMJNG085	09N	544742	6840692	1458	muscovite	3	vein halo	
MMJNG085	09N	544742	6840692	1458	clay	3	corrosive	
MMJNG085	09N	544742	6840692	1458	scorodite	3	corrosive	
MMJNG086	09N	544765	6840695		muscovite	3	idioblastic	
MMJNG087	09N	544868	6840662		silica	3	vein halo	
MMJNG088	09N	544848	6840671	1439	sericite	3	vein halo	
MMJNG088	09N	544848	6840671	1439	chlorite	4	vein halo	
MMJNG088	09N	544848	6840671	1439	silica	4	vein halo	
MMJNG088	09N	544848	6840671	1439	sericite	3	vein halo	
MMJNG088	09N	544848	6840671	1439	chlorite	4	vein halo	
MMJNG088	09N	544848	6840671	1439	silica	4	vein halo	
MMJNG089	09N	544835	6840692	1437	chlorite	2	vein halo	
MMJNG091	09N	538559	6845707		silica	3	vein halo	

Appendix 6 - Breccia Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Code	Matrix Supported	Breccia Type	Angularity	Min Clast Size (mm)	Max Clast Size (mm)	Avg Clast Size (mm)	Altered	Mineralized	Matrix	Genesis	Notes
MMJNG085	09N	544742	6840692	1458		TRUE	crackle	subangular	0	50	10	TRUE	TRUE	mixed	hydrofracturing	Brecciated portions of the quartz vein typically host higher proportions of arsenopyrite, pyrite and visible gold.

Appendix 6 - Mineralization Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Code	Habit	Notes	Oxidation
MMJNG085	09N	544742	6840692	1458		disseminated		1
MMJNG085	09N	544742	6840692	1458		blebby	Mineralization varies over the outcrop. Mineralogy and percent abundance are reflective of the main mineralized quartz vein observed from 6.0 - 9.0 metres. Arsenopyrite strongly altered in zones with VG - oxidized.	3
MMJNG086	09N	544765	6840695			blebby	Mineralization observed within quartz vein - dip-slope parallel @ 4.3 metres.	1
MMJNG087	09N	544868	6840662			blebby		1
MMJNG088	09N	544848	6840671	1439		trace	Sulphide mineralization observed within veins. Subhedral crystal masses generally < 4 mm in size.	3
MMJNG089	09N	544835	6840692	1437		trace		2
MMJNG090	09N	544851	6840689	1448		trace		2
MMJNG091	09N	538559	6845707			veinlets		4

Appendix 6 - Mineralization Detailed Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Mineral	Percent	Grain Size	Habit
MMJNG085	09N	544742	6840692	1458	pyrite	0.01	fine	fractures
MMJNG085	09N	544742	6840692	1458	pyrite	0.2	fine-medium	blebby
MMJNG085	09N	544742	6840692	1458	visible gold	0.01	very fine-fine	interstitial
MMJNG085	09N	544742	6840692	1458	arsenopyrite	0.05	fine	disseminated
MMJNG085	09N	544742	6840692	1458	pyrite	0.01	fine	fractures
MMJNG085	09N	544742	6840692	1458	arsenopyrite	1	very fine-coarse	blebby
MMJNG085	09N	544742	6840692	1458	pyrite	0.2	fine-medium	blebby
MMJNG085	09N	544742	6840692	1458	visible gold	0.01	very fine-fine	interstitial
MMJNG085	09N	544742	6840692	1458	arsenopyrite	0.05	fine	disseminated
MMJNG085	09N	544742	6840692	1458	arsenopyrite	1	very fine-coarse	blebby
MMJNG086	09N	544765	6840695		arsenopyrite	0.1	fine-medium	blebby
MMJNG086	09N	544765	6840695		galena	0.1	fine-medium	interstitial
MMJNG086	09N	544765	6840695		pyrite	0.8	medium-coarse	blebby
MMJNG087	09N	544868	6840662		arsenopyrite	0.8	fine-medium	blebby
MMJNG087	09N	544868	6840662		pyrite	0.2	fine-medium	interstitial
MMJNG088	09N	544848	6840671	1439	pyrite	0.02	fine	disseminated
MMJNG088	09N	544848	6840671	1439	arsenopyrite	0.01	fine	disseminated
MMJNG089	09N	544835	6840692	1437	pyrite	0.01	fine	trace
MMJNG090	09N	544851	6840689	1448	pyrite	0.01	fine	interstitial
MMJNG090	09N	544851	6840689	1448	arsenopyrite	0.01	fine	disseminated
MMJNG091	09N	538559	6845707		arsenopyrite	1	very fine-fine	veinlets
MMJNG091	09N	538559	6845707		pyrite	0.1	fine	interstitial

Appendix 6 - Shear Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Shear Num	Code	Width (m)	Count per m	Ductility	Gouge (pct)	Mineralized	Notes
MMJNG085	09N	544742	6840692	1458	1		0.5	0	brittle	60	TRUE	VG panned from fault gouge @ 3.0 metres.

Appendix 6 - Structure Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Structure Type	Deform Phase	Azimuth	Dip	Quality	Notes
MMJNG085	09N	544742	6840692	1458	foliation (dominant)		100	86	4	Point taken @ 3.5 m.
MMJNG085	09N	544742	6840692	1458	cleavage		25	88	4	Point taken @ 6.5 m.
MMJNG085	09N	544742	6840692	1458	veinlet mineralized		110	80	3	Point taken @ 7.0 m.
MMJNG085	09N	544742	6840692	1458	veinlet (<10cm)		3	45	4	Point taken @ 4.6 m.
MMJNG085	09N	544742	6840692	1458	fracture		352	68	3	Point taken @ 9.0 m.
MMJNG085	09N	544742	6840692	1458	joint		198	84	3	Point taken @ 4.2 m.
MMJNG085	09N	544742	6840692	1458	fracture		185	52	3	Point taken @ 8.3 m.
MMJNG085	09N	544742	6840692	1458	joint		108	58	4	Point taken @ 3.5 m.
MMJNG085	09N	544742	6840692	1458	veinlet mineralized		320	62	3	VG vein contact. Point taken @ 5.8 m.
MMJNG085	09N	544742	6840692	1458	veinlet mineralized		50	72	4	Point taken @ 3.3 m.
MMJNG085	09N	544742	6840692	1458	foliation (dominant)	1	85	30	4	Point taken @ 1.1 m.
MMJNG085	09N	544742	6840692	1458	fault plane		165	62	3	Point taken @ 3.0 m.
MMJNG086	09N	544765	6840695		veinlet (<10cm)		13	15	3	Point taken @ 1.2 m.
MMJNG086	09N	544765	6840695		veinlet (<10cm)		118	63	3	Point taken @ 9.8 m.
MMJNG086	09N	544765	6840695		veinlet (<10cm)		78	65	3	Point taken @ 2.7 m.
MMJNG086	09N	544765	6840695		cleavage		5	82	3	Point taken @ 9.2 m.
MMJNG086	09N	544765	6840695		veinlet mineralized		10	30	3	Point taken @ 4.5 m.
MMJNG086	09N	544765	6840695		veinlet (<10cm)		95	42	3	Point taken @ 9.0 m.
MMJNG087	09N	544868	6840662		foliation (dominant)		115	74		Foliation within phyllite. Point taken @ 3.2 m.
MMJNG087	09N	544868	6840662		veinlet mineralized		140	80	3	Mineralized vein. Point taken @ 2.1 m.
MMJNG087	09N	544868	6840662		veinlet (<10cm)		95	81	4	Vein density is 5/m within pebble conglomerate. Point taken @ 0.8 m.
MMJNG088	09N	544848	6840671	1439	contact - lithologic		100	90	3	Point taken @ 3.8 m. Contact is undulatory as a result of localized folding. Measurements are +/- 10 degrees.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		65	77	4	Point taken @ 3.3 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		85	63	4	Point taken @ 2.6 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		90	37	4	Point taken @ 1.5 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		80	50	4	Point taken @ 0.4 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		93	43	4	Point taken @ 4.0 m.
MMJNG088	09N	544848	6840671	1439	joint		355	81	4	Point taken @ 0.1 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		270	88	4	Point taken @ 3.0 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		104	38	4	Point taken @ 0.8 m.
MMJNG088	09N	544848	6840671	1439	vein (>10cm)		50	74	4	Point taken @ 1.8 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		64	70	4	Point taken @ 5.0 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		105	77	4	Point taken @ 4.7 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		90	53	4	Point taken @ 6.0 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		45	65	4	Point taken @ 1.2 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		90	55	4	Point taken @ 5.5 m.
MMJNG088	09N	544848	6840671	1439	joint		210	86	4	Point taken @ 2.6 m.
MMJNG088	09N	544848	6840671	1439	veinlet (<10cm)		60	90	4	Point taken @ 5.7 m.
MMJNG089	09N	544835	6840692	1437	vein (>10cm)		248	57		Point taken @ 0.3 m.
MMJNG089	09N	544835	6840692	1437	veinlet (<10cm)		258	86		Point taken @ 1.5 m.
MMJNG089	09N	544835	6840692	1437	fold axis (z)		93	10		Point approximately 5.0 metres west from the start of the trench. Photo taken of structure.
MMJNG089	09N	544835	6840692	1437	foliation (dominant)		275	81		Point approximately 5.0 metres west from the start of the trench.
MMJNG089	09N	544835	6840692	1437	foliation (dominant)		278	81		Point taken @ 0.0 m.
MMJNG089	09N	544835	6840692	1437	foliation (dominant)		276	88		Point taken @ 0.7 m.
MMJNG089	09N	544835	6840692	1437	veinlet (<10cm)		250	81		Point approximately 3.5 metres west from the start of the trench.
MMJNG089	09N	544835	6840692	1437	foliation (dominant)		35	80		Point taken @ 4.0 m.
MMJNG091	09N	538559	6845707		veinlet (<10cm)		5	77	3	
MMJNG091	09N	538559	6845707		veinlet (<10cm)		306	85	3	
MMJNG091	09N	538559	6845707		foliation (dominant)		165	87	3	
MMJNG091	09N	538559	6845707		veinlet mineralized		246	64	3	

Appendix 6 - Vein Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Code	Width (m)	Count per m	Colour	Grain Size	Texture	Mineralized	Notes
MMJNG085	09N	544742	6840692	1458		0.05	3	white	fine	box-work	TRUE	
MMJNG086	09N	544765	6840695			0.3		white	fine-medium	fractured	TRUE	
MMJNG087	09N	544868	6840662			0.2			fine-medium	stockwork	TRUE	Mineralized vein located @ 2.5 m.
MMJNG087	09N	544868	6840662			0.02	2		very fine-fine	stockwork	FALSE	Stockwork veining was observed within phyllite.
MMJNG088	09N	544848	6840671	1439		0.1	3	white	fine-medium	stockwork	TRUE	Veining is well developed in pebble conglomerate and at contact with phyllite. Phyllite selvage, often chlorite altered within quartz veins @ contact between the two rock units.
MMJNG089	09N	544835	6840692	1437		0.2		white	fine-medium	boudinage	FALSE	
MMJNG090	09N	544851	6840689	1448				white	fine-medium	massive	TRUE	~ 5.0 metre long rubble crop of quartz vein cobbles/boulders.
MMJNG091	09N	538559	6845707			0.04	3	white	fine	stockwork	FALSE	Veinlets are pitted after corrosion of carbonate.
MMJNG091	09N	538559	6845707			0.02		dark orangish-brown	fine	whispy	TRUE	Rusty weathering sulphide stringer veinlet observed on surface of outcrop. Weathered and pitted. White carbonate minerals observed rimming sulphide.

Appendix 6 - Vein Mineralogy Data

Station	UTM Zone	Easting (UTM)	Northing (UTM)	Elevation (m)	Mineral	Percent	Grain Size	Habit
MMJNG085	09N	544742	6840692	1458	sulphides	1	very fine-coarse	blebby
MMJNG085	09N	544742	6840692	1458	carbonate	4	fine	blebby
MMJNG085	09N	544742	6840692	1458	quartz	95	fine-medium	massive
MMJNG086	09N	544765	6840695		carbonate	4	fine	fractures
MMJNG086	09N	544765	6840695		sulphides	1	fine-medium	blebby
MMJNG086	09N	544765	6840695		quartz	95	fine-medium	massive
MMJNG087	09N	544868	6840662		sulphides	1	fine-medium	blebby
MMJNG087	09N	544868	6840662		quartz	99	very fine-fine	massive
MMJNG087	09N	544868	6840662		quartz	98	fine-medium	massive
MMJNG087	09N	544868	6840662		carbonate	1	fine	blebby
MMJNG087	09N	544868	6840662		sulphides	1	fine-medium	blebby
MMJNG087	09N	544868	6840662		quartz	99	very fine-fine	massive
MMJNG087	09N	544868	6840662		quartz	98	fine-medium	massive
MMJNG087	09N	544868	6840662		carbonate	1	fine	blebby
MMJNG088	09N	544848	6840671	1439	quartz	99	fine-medium	massive
MMJNG088	09N	544848	6840671	1439	limonite	1	fine	fractures
MMJNG089	09N	544835	6840692	1437	chlorite	4	fine	veinlets
MMJNG089	09N	544835	6840692	1437	carbonate	1	fine	blebby
MMJNG089	09N	544835	6840692	1437	quartz	95	fine-medium	massive
MMJNG091	09N	538559	6845707		carbonate	3	fine	blebby
MMJNG091	09N	538559	6845707		quartz	99	fine	massive
MMJNG091	09N	538559	6845707		carbonate	1	fine	blebby
MMJNG091	09N	538559	6845707		sulphides	95	very fine-fine	veinlets
MMJNG091	09N	538559	6845707		quartz	2	fine	
MMJNG091	09N	538559	6845707		carbonate	3	fine	blebby
MMJNG091	09N	538559	6845707		quartz	99	fine	massive
MMJNG091	09N	538559	6845707		carbonate	1	fine	blebby
MMJNG091	09N	538559	6845707		sulphides	95	very fine-fine	veinlets
MMJNG091	09N	538559	6845707		quartz	2	fine	